RO 133

February 9, 2005

Alameda County Health Services Agency
ATTN: DON HWANG
Department of Environmental Health
Environmental Protection Division
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

STID: 819
Claim # 2192
RE: City of Paris Cleaners, 3516 Adeline Street, Oakland, California 94608

Dear Mr. Hwang,

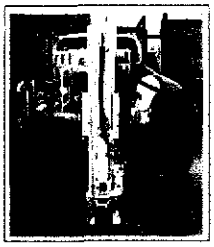
Enclosed please find the copy of WellTest Inc., well samplings and lab work per your request on January 9, 2003. I look forward to hearing from you as to what our next course of action is. It is my determination to get this site closed as soon as possible. This has been almost 13 very long years of complying with every request and I pray we are close to a complete closure. I look forward to hearing from you.

Thank you,

Linda Champion

Linda Champion
9441 Laguna Lake Way
Elk Grove, California 95758-4223
(916) 684-2993
(916) 684-9799 fax

Enclosure



WellTest, Inc.

1180 Delmas Avenue, San Jose, CA 95125
(408) 287-2175
(408) 287-2176 Fax
Lic. #: R.G. 6253

Groundwater & Soil-Core Sampling
Third-Party Reporting Services

May 9, 2003

Ms. Linda Champion
9441 Laguna Lake Way
Elk Grove, CA 95758

Subject: **Groundwater Monitoring Report #0908 - Second Quarter 2003**
Site: Former City of Paris Cleaners, 3516 Adeline Street, Oakland, CA

Ms. Champion:

On 04/15/03, WellTest, Inc. was onsite to collect groundwater samples from monitoring wells MW-1, MW-2, MW-3 for this study. For each well listed, the following tasks were performed:

1) Measured depth to water surfaces [below top of casing survey mark]:
2) Performed subjective analyses for floating product;
3) Purged approximately four well volumes of water from each well;
4) Recorded electrical conductivity, pH, and temperature data during well water removal;
5) Allowed the wells to recover to static water level conditions [at least 80% recovery];
6) Collected groundwater samples; and
7) Transported the groundwater samples to a State-certified laboratory for the analyses requested on WTI Chain of Custody Record #0908.

Groundwater samples from wells MW-1, MW-2, and MW-3 were analyzed at McCampbell Analytical Inc., Pacheco, California [CA Certified Lab #1644] for:

1) Stoddard Solvent Range (C9-C12) Volatile Hydrocarbons as Stoddard Solvent by by Analytical Method 8015m;
2) MTBE and BTEX by GCMS with Analytical Method SW8260B;
3) Halogenated Volatile Organics by P&T and GC-ELCD (8010 Basic Target List) by Analytical Method SW8021B;
4) Semi-Volatile Organics (Basic Target List) by Analytical Method SW8270D.

RESULTS

Results of laboratory analyses are presented in Attachment A, and in Table 1. See Attachment B for a field measurement data. A summary of the laboratory testing data is presented below.

1) TPHss (Stoddard Solvent) in Groundwater. Up to 3,900 ug/L of TPHss was detected in the groundwater samples submitted [sample W-MW-1 from well MW-1].
2) Benzene, Toluene, Ethylbenzene, and Xylene in Groundwater. With the exception of 3.1 ug/L Xylenes from Well MW-1, BTEX compounds were not detected in any of the groundwater samples tested for this phase of work.
3) MTBE in Groundwater. Up to 40 ug/L of MTBE was detected in the groundwater samples from the wells tested [sample W-MW-3 from well MW-3].
4) Bis (2-ethylhexyl) Phthalate in Groundwater. Up to 1,800 ug/L of Bis (2-ethylhexyl) Phthalate was detected in the groundwater samples from the wells tested.

5) Naphthalene in Groundwater. Up to 100 ug/L was detected in the groundwater samples from the wells tested [sample W-MW-1 from well MW-1].

CONCLUSIONS

1) Groundwater Flow Direction & Gradient. The direction of groundwater flow beneath the site was calculated to be towards the North, with a slope of 0.07 ft/ft, based on the 04/15/03 well gauging data (See Figure 3). The three monitoring wells used to establish the gradient and flow direction are located in close proximity to each other (15 to 20 feet apart), and are located immediately adjacent to the former UST Pit. The local ground surface slopes towards the southwest (See Figure 1).

2) Analytical Profile. In the area of the former USTs, groundwater appears to be impacted with low levels of Stoddard and related petroleum compounds, and with trace levels of MTBE. Elevated levels of Halogenated Volatile Organic compounds, or elevated levels of Semi-Volatile Organic compounds were not detected. The California Regional Water Quality Control Board San Francisco Bay Region's (CRWQCB-SF) Tier 1 RBSL's of 5,000 ug/L for total Petroleum Hydrocarbons (TPH), where groundwater is not a current or potential drinking water resource, was not exceed for the three samples tested.

3) Lateral Extent of Stoddard Solvent in Groundwater. The lateral extent of hydrocarbon-impacted groundwater has not been fully defined.

4) Vertical Extent of Diesel and Gasoline-Impacted Groundwater. The vertical extent of hydrocarbon-impacted groundwater is unknown.

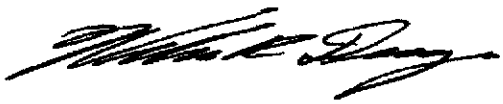
RECOMMENDATIONS

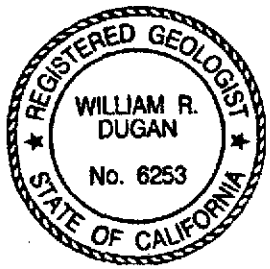
1) A copy of this report should be submitted to the Alameda County Health Care Services Agency staff for review and regulatory comment.

2) Because levels of TPH-ss in groundwater were below the CRWQCB-SF Tier 1 TPH threshold in the area of the former UST pit, It is recommended that this case be processed for case closure, and all site related wells be destroyed under permit.

Thank you for the opportunity to provide the sampling services for this phase of work at the site. Please call if we can be of further assistance.

Sincerely,
WellTest, Inc.





William R. Dugan
CA Registered Geologist # 6253
Expires 10/31/03
Supervisor - Groundwater Data Services
WELLTEST, INC.

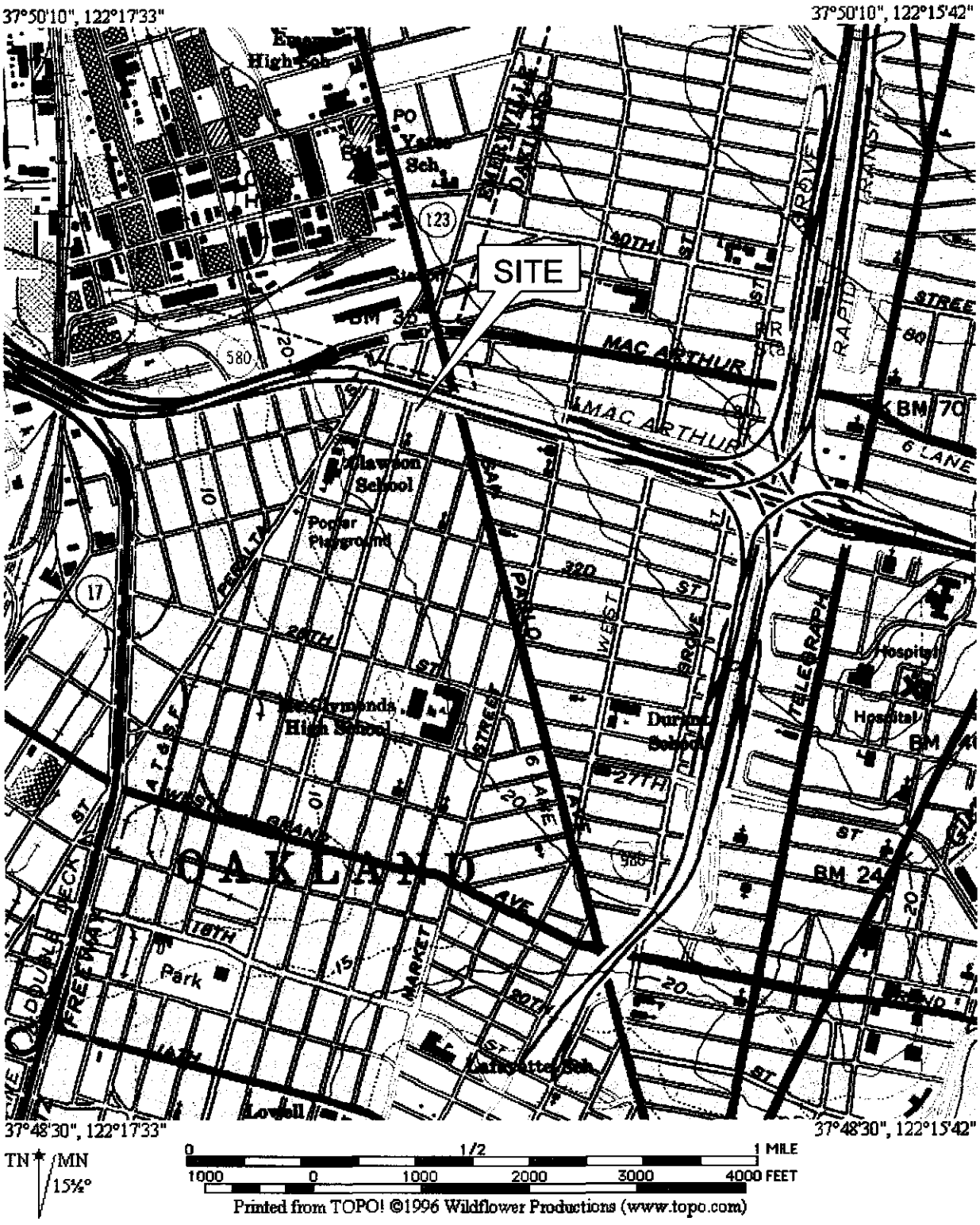
Table 1. Summary of Groundwater Data from Monitoring Wells
Figure 1. Site Vicinity/Topographic Map
Figure 2. Generalized Site Map
Figure 3. Groundwater Elevation Map
Figure 4. Groundwater Chemistry Map

TABLES

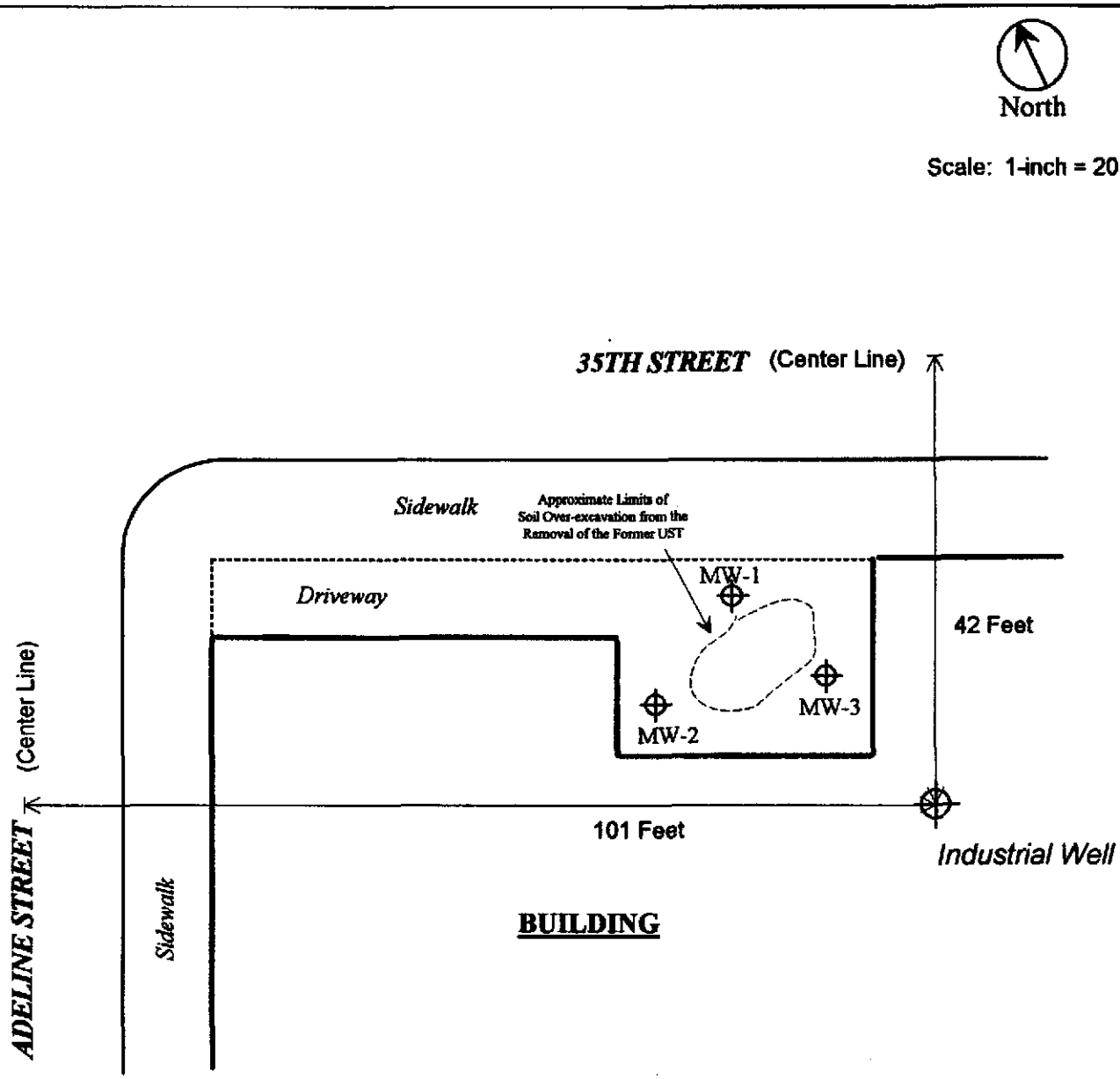
WellTest, Inc.
1180 Delmas Avenue
San Jose, CA 95125
(408) 287-2175
Lic.# RG 6253

FIGURES

WellTest, Inc.
1180 Delmas Avenue
San Jose, CA 95125
(408) 287-2175
Lic.# RG 6253



WellTest, Inc. 1180 Delmas Avenue San Jose, CA 95125 Lic. RG #6253	**Site Area Topographic Map** **City of Paris Cleaners** 3516 Adeline Street Oakland, California	**Figure** **1**



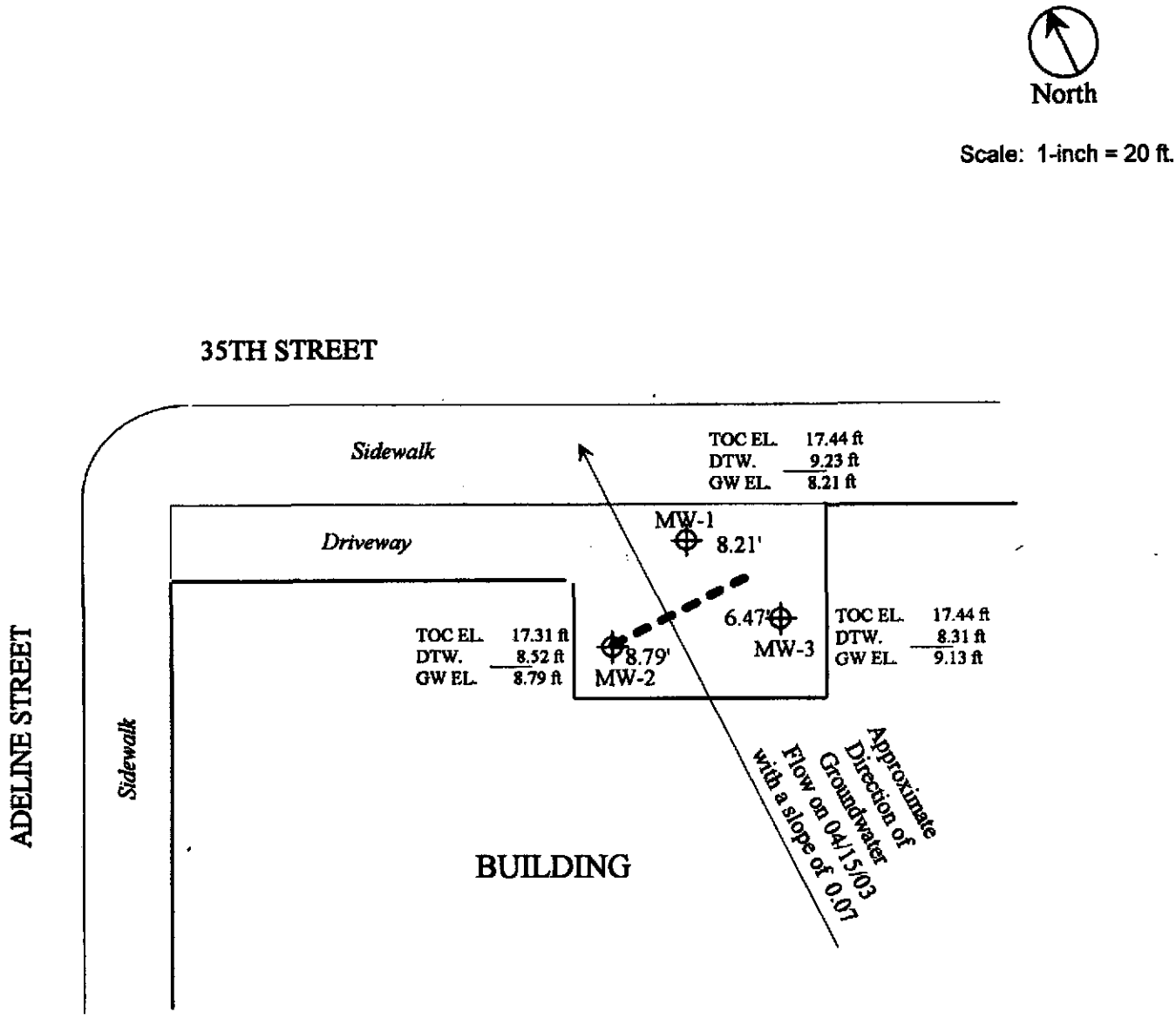
Legend

MW-3 ⊕ = Existing Monitoring Well

Approximate Scale: 1 inch = 20 feet
[Industrial well measured 12/15/99]

Base Map Source: BT Associates (1995) for approximate locations of wells

WellTest, Inc. 1180 Delmas Avenue San Jose, CA Lic. #: R.G. 6253	**Generalized Site Map** Former City of Paris Cleaners 3516 Adeline Street Oakland, California	**FIGURE** **2** Job: 0908



Legend

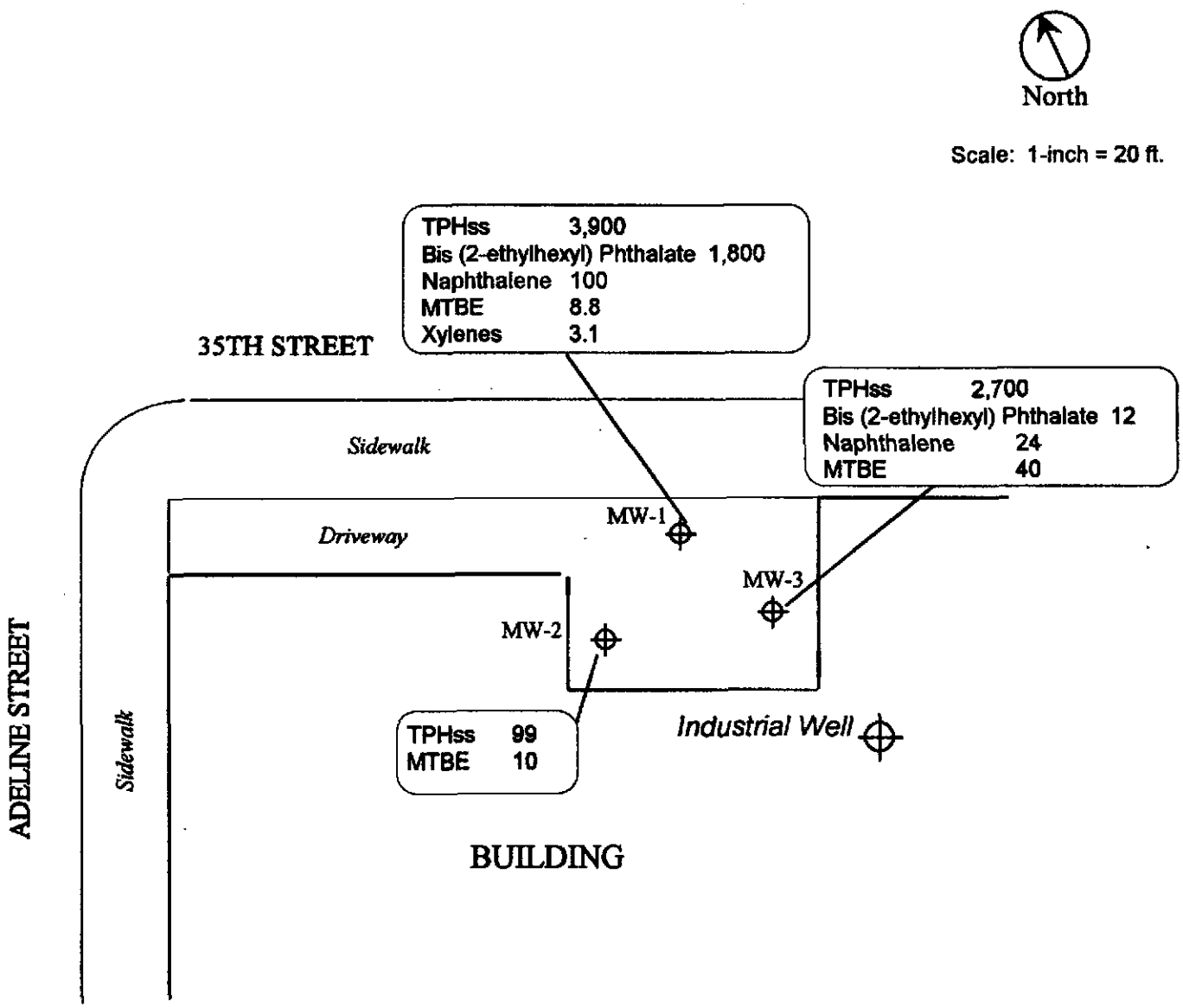
6.34 = Groundwater Elevation in feet MSL

= Line of potential equal elevation of groundwater in feet

MW-3 = Existing Monitoring Well

Approximate Scale: 1 inch = 20 feet

WellTest, Inc. 1180 Delmas Avenue San Jose, CA Lic. #: R.G. 6253	**Groundwater Elevation Map [04/15/03]** Former City of Paris Cleaners 3516 Adeline Street Oakland, California	**FIGURE** **3** Job: 0908



Results in parts per billion (ug/L)

Legend

MW-3 = Existing Monitoring Well

Approximate Scale: 1 inch = 20 feet

WellTest, Inc. 1180 Delmas Avenue San Jose, CA Lic. #: R.G. 6253	**Groundwater Chemistry Map [04/15/03]** Former City of Paris Cleaners 3516 Adeline Street Oakland, California	**FIGURE** **4** Job: 0458

Attachment A

Chain of Custody Record

and

Laboratory Data Sheets

WellTest, Inc.
1180 Delmas Avenue
San Jose, CA 95125
(408) 287-2175
Lic.# RG 6253

WellTest, Inc.

Subsurface Environmental Sampling

1180 Delmas Avenue
San Jose, CA 95125
Lic. #: R.G. 6253
Tel. (408) 287-2175
Fax. (408) 287-2176
Cell (408) 460-1884

0304289

Chain of Custody Record

SWRCB Site Name: City of Paris Cleaners Case #:

Site Global I.D. Number: Log Code for WellTest, Inc.: WTI

CERTIFIED ANALYTICAL LABORATORY: McCampbell Analytical, Inc. E-LAP NO.: 1644

WellTest, Inc PROJECT NAME: City of Paris Cleaners 0908

SITE ADDRESS: 3516 Adeline Street Oakland CA

TURNAROUND TIME: STANDARD

SAMPLED BY: Dave Nitzberg

DATE (S): 04/16/03

SAMPLE I.D.#:	FIELD POINT NAME	SAMPLED DATE	SAMPLED TIME	NUMBER OF CONTAINERS	SAMPLE MATRIX (SOIL OR WATER)	TPH-gas	BTEX + MTBE by 8260	Volatile Halocarbon by 8010	8Vocs 8270							ACIDIFIED
W-MW-1	MW-1	04/15/03	11:45	5	Water	X	X	X	X							yes
W-MW-2	MW-2	04/15/03	11:50	5	Water	X	X	X	X							yes
W-MW-3	MW-3	04/16/03	11:55	5	Water	X	X	X	X							yes

COMMENTS / SPECIAL INSTRUCTIONS TO LABORATORY:

1) An EDF Laboratory Report is Required
2) E-Mail report to Bill Dugan of WellTest, Inc [WellTestInc@AOL.com]
3) Send Invoice to WellTest, Inc., 1180 Delmas Avenue, San Jose, CA 95125

ICE ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓
DECHLORINATED IN LAB
PRESERVATION ✓
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB

VOAS	O&G	METALS	OTHER

CONDITION OF EVIDENCE TAPE (IF APPLICABLE):

		DATE	TIME
RELINQUISHED BY (SIGNATURE): Dave Nitzberg, WellTest, Inc.	RECEIVED BY (SIGNATURE): AFFILIATION:	04/16/03	19:12
RELINQUISHED BY (SIGNATURE): AFFILIATION:	RECEIVED BY (SIGNATURE): AFFILIATION:	4/16/03	11:17
RELINQUISHED BY (SIGNATURE): AFFILIATION:	RECEIVED BY (SIGNATURE): AFFILIATION:	4/16	1:30pm

Data Collection & Reporting Services

Chain #0908
Page 1 of 1

McCampbell Analytical Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

Well Test, Inc. 1180 Delmas Avenue San Jose, CA 95121	Client Project ID: #0908; City of Paris Cleaners	Date Sampled: 04/15/03
		Date Received: 04/18/03
	Client Contact: Bill Dugan	Date Reported: 04/24/03
	Client P.O.:	Date Completed: 04/24/03

WorkOrder: 0304289

April 24, 2003

Dear Bill:

Enclosed are:

1). the results of **3** analyzed samples from your **#0908; City of Paris Cleaners project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager

McCampbell Analytical Inc.
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Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

Well Test, Inc. 1180 Delmas Avenue San Jose, CA 95121	Client Project ID: #0908; City of Paris Cleaners	Date Sampled: 04/15/03
		Date Received: 04/18/03
	Client Contact: Bill Dugan	Date Extracted: 04/22/03-04/23/03
	Client P.O.:	Date Analyzed: 04/22/03-04/23/03

Stoddard Solvent Range (C9-C12) Volatile Hydrocarbons as Stoddard Solvent*

Extraction method: SW5030B Analytical methods: 8015Cm Work Order: 0304289

Lab ID	Client ID	Matrix	TPH(ss)	DF	% SS
001A	W-MW-1	W	3900,e,h	33	83.2
002A	W-MW-2	W	99,e	1	86.6
003A	W-MW-3	W	2700,e,h	1	81.9
Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50		µg/L	
	S	NA		NA	

*water and vapor samples are reported in µg/L, soil and sludge samples in mg/kg, wipe samples in µg/wipe, and TCLP extracts in µg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical Inc.
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Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

Well Test, Inc. 1180 Delmas Avenue San Jose, CA 95121	Client Project ID: #0908; City of Paris Cleaners	Date Sampled: 04/15/03
		Date Received: 04/18/03
	Client Contact: Bill Dugan	Date Extracted: 04/19/03-04/22/03
	Client P.O.:	Date Analyzed: 04/19/03-04/22/03

MTBE and BTEX by GC/MS*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0304289

Lab ID	0304289-001B	0304289-002B	0304289-003B		Reporting Limit for DF =1	
Client ID	W-MW-1	W-MW-2	W-MW-3			
Matrix	W	W	W			
DF	5	1	1		S	W
Compound	**Concentration**				ug/kg	µg/L
Benzene	ND<2.5	ND	ND		NA	0.5
Ethylbenzene	ND<2.5	ND	ND		NA	0.5
Methyl-t-butyl ether (MTBE)	8.8	10	40		NA	0.5
Toluene	ND<2.5	ND	ND		NA	0.5
Xylenes	3.1	ND	ND		NA	0.5
Surrogate Recoveries (%)						
%SS1:	98.0	108	104			
%SS2:	92.8	95.5	103			
%SS3:	92.8	113	113			
Comments	h		h			

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Well Test, Inc. 1180 Delmas Avenue San Jose, CA 95121	Client Project ID: #0908; City of Paris Cleaners	Date Sampled: 04/15/03
		Date Received: 04/18/03
	Client Contact: Bill Dugan	Date Extracted: 04/22/03
	Client P.O.:	Date Analyzed: 04/22/03

Halogenated Volatile Organics by P&T and GC-ELCD (8010 Basic Target List)*

Extraction Method: SW5030B | Analytical Method: SW8021B | Work Order: 0304289

Lab ID	0304289-001C	0304289-002C	0304289-003C		Reporting Limit for DF =1	
Client ID	W-MW-1	W-MW-2	W-MW-3			
Matrix	W	W	W			
DF	2	1	1		S	W
Compound	**Concentration**				µg/kg	µg/L
Bromodichloromethane	ND<1.0	ND	ND		NA	0.5
Bromoform	ND<1.0	ND	ND		NA	0.5
Bromomethane	ND<1.0	ND	ND		NA	0.5
Carbon Tetrachloride	ND<1.0	ND	ND		NA	0.5
Chlorobenzene	ND<1.0	ND	ND		NA	0.5
Chloroethane	ND<1.0	ND	ND		NA	0.5
2-Chloroethyl vinyl ether	ND<1.0	ND	ND		NA	0.5
Chloroform	ND<1.0	ND	ND		NA	0.5
Chloromethane	ND<1.0	ND	ND		NA	0.5
Dibromochloromethane	ND<1.0	ND	ND		NA	0.5
1,2-Dichlorobenzene	ND<1.0	ND	ND		NA	0.5
1,3-Dichlorobenzene	ND<1.0	ND	ND		NA	0.5
1,4-Dichlorobenzene	ND<1.0	ND	ND		NA	0.5
Dichlorodifluoromethane	ND<1.0	ND	ND		NA	0.5
1,1-Dichloroethane	ND<1.0	ND	ND		NA	0.5
1,2-Dichloroethane	ND<1.0	ND	ND		NA	0.5
1,1-Dichloroethene	ND<1.0	ND	ND		NA	0.5
cis-1,2-Dichloroethene	ND<1.0	ND	ND		NA	0.5
trans-1,2-Dichloroethene	ND<1.0	ND	ND		NA	0.5
1,2-Dichloropropane	ND<1.0	ND	ND		NA	0.5
cis-1,3-Dichloropropene	ND<1.0	ND	ND		NA	0.5
trans-1,3-Dichloropropene	ND<1.0	ND	ND		NA	0.5
Methylene chloride	ND<1.0	ND	ND		NA	0.5
1,1,2,2-Tetrachloroethane	ND<1.0	ND	ND		NA	0.5
Tetrachloroethene	ND<1.0	ND	ND		NA	0.5
1,1,1-Trichloroethane	ND<1.0	ND	ND		NA	0.5
1,1,2-Trichloroethane	ND<1.0	ND	ND		NA	0.5
Trichloroethene	ND<1.0	ND	ND		NA	0.5
Trichlorofluoromethane	ND<1.0	ND	ND		NA	0.5
Vinyl Chloride	ND<1.0	ND	ND		NA	0.5
Surrogate Recoveries (%)						
%SS:	98.2	100	98.9			
Comments	j,h		h			

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

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Well Test, Inc. 1180 Delmas Avenue San Jose, CA 95121	Client Project ID: #0908; City of Paris Cleaners	Date Sampled: 04/15/03
		Date Received: 04/18/03
	Client Contact: Bill Dugan	Date Extracted: 04/18/03
	Client P.O.:	Date Analyzed: 04/22/03

Semi-Volatile Organics by GC/MS (Basic Target List)*

Extraction Method: SW3510C | Analytical Method: SW8270D | Work Order: 0304289

Lab ID	0304289-001D
Client ID	W-MW-1
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acenaphthene	ND<200	20	10	Acenaphthylene	ND<200	20	10
Anthracene	ND<200	20	10	Benzidine	ND<1000	20	50
Benzoic Acid	ND<1000	20	50	Benz(a)anthracene	ND<200	20	10
Benzo(b)fluoranthene	ND<200	20	10	Benzo(k)fluoranthene	ND<200	20	10
Benzo(g,h,i)perylene	ND<200	20	10	Benzo(a)pyrene	ND<200	20	10
Benzyl Alcohol	ND<400	20	20	Bis (2-chloroethoxy) Methane	ND<200	20	10
Bis (2-chloroethyl) Ether	ND<200	20	10	Bis (2-chloroisopropyl) Ether	ND<200	20	10
Bis (2-ethylhexyl) Phthalate	1800	20	10	4-Bromophenyl Phenyl Ether	ND<200	20	10
Butylbenzyl Phthalate	ND<200	20	10	4-Chloroaniline	ND<400	20	20
4-Chloro-3-methylphenol	ND<200	20	10	2-Chloronaphthalene	ND<200	20	10
2-Chlorophenol	ND<200	20	10	4-Chlorophenyl Phenyl Ether	ND<200	20	10
Chrysene	ND<200	20	10	Dibenzo(a,h)anthracene	ND<200	20	10
Dibenzofuran	ND<200	20	10	Di-n-butyl Phthalate	ND<200	20	10
1,2-Dichlorobenzene	ND<200	20	10	1,3-Dichlorobenzene	ND<200	20	10
1,4-Dichlorobenzene	ND<200	20	10	3,3-Dichlorobenzidine	ND<400	20	20
2,4-Dichlorophenol	ND<200	20	10	Diethyl Phthalate	ND<200	20	10
2,4-Dimethylphenol	ND<200	20	10	Dimethyl Phthalate	ND<200	20	10
4,6-Dinitro-2-methylphenol	ND<1000	20	50	2,4-Dinitrophenol	ND<1000	20	50
2,4-Dinitrotoluene	ND<200	20	10	2,6-Dinitrotoluene	ND<200	20	10
Di-n-octyl Phthalate	ND<200	20	10	1,2-Diphenylhydrazine	ND<200	20	10
Fluoranthene	ND<200	20	10	Fluorene	ND<200	20	10
Hexachlorobenzene	ND<200	20	10	Hexachlorobutadiene	ND<200	20	10
Hexachlorocyclopentadiene	ND<1000	20	50	Hexachloroethane	ND<200	20	10
Indeno (1,2,3-cd) pyrene	ND<200	20	10	Isophorone	ND<200	20	10
2-Methylnaphthalene	ND<200	20	10	2-Methylphenol (o-Cresol)	ND<200	20	10
3 &/or 4-Methylphenol (m,p-Cresol)	ND<200	20	10	Naphthalene	100	20	10
2-Nitroaniline	ND<1000	20	50	3-Nitroaniline	ND<1000	20	50
4-Nitroaniline	ND<1000	20	50	2-Nitrophenol	ND<1000	20	50
4-Nitrophenol	ND<1000	20	50	Nitrobenzene	ND<200	20	10
N-Nitrosodiphenylamine	ND<200	20	10	N-Nitrosodi-n-propylamine	ND<200	20	10
Pentachlorophenol	ND<1000	20	50	Phenanthrene	ND<200	20	10
Phenol	ND<200	20	10	Pyrene	ND<200	20	10
1,2,4-Trichlorobenzene	ND<200	20	10	2,4,5-Trichlorophenol	ND<200	20	10
2,4,6-Trichlorophenol	ND<200	20	10				

Surrogate Recoveries (%)

%SS1:	—#	%SS2:	—#
%SS3:	—#	%SS4:	63.3
%SS5:	—#	%SS6:	75.1

Comments: h

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

Well Test, Inc. 1180 Delmas Avenue San Jose, CA 95121	Client Project ID: #0908; City of Paris Cleaners	Date Sampled: 04/15/03
		Date Received: 04/18/03
	Client Contact: Bill Dugan	Date Extracted: 04/18/03
	Client P.O.:	Date Analyzed: 04/22/03

Semi-Volatile Organics by GC/MS (Basic Target List)*

Extraction Method: SW3510C | Analytical Method: SW8270D | Work Order: 0304289

Lab ID	0304289-002D
Client ID	W-MW-2
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acenaphthene	ND	1.0	10	Acenaphthylene	ND	1.0	10
Anthracene	ND	1.0	10	Benzidine	ND	1.0	50
Benzoic Acid	ND	1.0	50	Benz(a)anthracene	ND	1.0	10
Benzo(b)fluoranthene	ND	1.0	10	Benzo(k)fluoranthene	ND	1.0	10
Benzo(g,h,i)perylene	ND	1.0	10	Benzo(a)pyrene	ND	1.0	10
Benzyl Alcohol	ND	1.0	20	Bis (2-chloroethoxy) Methane	ND	1.0	10
Bis (2-chloroethyl) Ether	ND	1.0	10	Bis (2-chloroisopropyl) Ether	ND	1.0	10
Bis (2-ethylhexyl) Phthalate	ND	1.0	10	4-Bromophenyl Phenyl Ether	ND	1.0	10
Butylbenzyl Phthalate	ND	1.0	10	4-Chloroaniline	ND	1.0	20
4-Chloro-3-methylphenol	ND	1.0	10	2-Chloronaphthalene	ND	1.0	10
2-Chlorophenol	ND	1.0	10	4-Chlorophenyl Phenyl Ether	ND	1.0	10
Chrysene	ND	1.0	10	Dibenzo(a,h)anthracene	ND	1.0	10
Dibenzofuran	ND	1.0	10	Di-n-butyl Phthalate	ND	1.0	10
1,2-Dichlorobenzene	ND	1.0	10	1,3-Dichlorobenzene	ND	1.0	10
1,4-Dichlorobenzene	ND	1.0	10	3,3-Dichlorobenzidine	ND	1.0	20
2,4-Dichlorophenol	ND	1.0	10	Diethyl Phthalate	ND	1.0	10
2,4-Dimethylphenol	ND	1.0	10	Dimethyl Phthalate	ND	1.0	10
4,6-Dinitro-2-methylphenol	ND	1.0	50	2,4-Dinitrophenol	ND	1.0	50
2,4-Dinitrotoluene	ND	1.0	10	2,6-Dinitrotoluene	ND	1.0	10
Di-n-octyl Phthalate	ND	1.0	10	1,2-Diphenylhydrazine	ND	1.0	10
Fluoranthene	ND	1.0	10	Fluorene	ND	1.0	10
Hexachlorobenzene	ND	1.0	10	Hexachlorobutadiene	ND	1.0	10
Hexachlorocyclopentadiene	ND	1.0	50	Hexachloroethane	ND	1.0	10
Indeno (1,2,3-cd) pyrene	ND	1.0	10	Isophorone	ND	1.0	10
2-Methylnaphthalene	ND	1.0	10	2-Methylphenol (o-Cresol)	ND	1.0	10
3 &/or 4-Methylphenol (m,p-Cresol)	ND	1.0	10	Naphthalene	ND	1.0	10
2-Nitroaniline	ND	1.0	50	3-Nitroaniline	ND	1.0	50
4-Nitroaniline	ND	1.0	50	2-Nitrophenol	ND	1.0	50
4-Nitrophenol	ND	1.0	50	Nitrobenzene	ND	1.0	10
N-Nitrosodiphenylamine	ND	1.0	10	N-Nitrosodi-n-propylamine	ND	1.0	10
Pentachlorophenol	ND	1.0	50	Phenanthrene	ND	1.0	10
Phenol	ND	1.0	10	Pyrene	ND	1.0	10
1,2,4-Trichlorobenzene	ND	1.0	10	2,4,5-Trichlorophenol	ND	1.0	10
2,4,6-Trichlorophenol	ND	1.0	10				

Surrogate Recoveries (%)

%SS1:	64.2	%SS2:	61.3
%SS3:	66.8	%SS4:	68.0
%SS5:	58.9	%SS6:	68.7

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

DHS Certification No. 1644

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Well Test, Inc. 1180 Delmas Avenue San Jose, CA 95121	Client Project ID: #0908; City of Paris Cleaners	Date Sampled: 04/15/03
		Date Received: 04/18/03
	Client Contact: Bill Dugan	Date Extracted: 04/18/03
	Client P.O.:	Date Analyzed: 04/22/03

Semi-Volatile Organics by GC/MS (Basic Target List)*

Extraction Method: SW3510C | Analytical Method: SW8270D | Work Order: 0304289

Lab ID	0304289-003D
Client ID	W-MW-3
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acenaphthene	ND	1.0	10	Acenaphthylene	ND	1.0	10
Anthracene	ND	1.0	10	Benzidine	ND	1.0	50
Benzoic Acid	ND	1.0	50	Benz(a)anthracene	ND	1.0	10
Benzo(b)fluoranthene	ND	1.0	10	Benzo(k)fluoranthene	ND	1.0	10
Benzo(g,h,i)perylene	ND	1.0	10	Benzo(a)pyrene	ND	1.0	10
Benzyl Alcohol	ND	1.0	20	Bis (2-chloroethoxy) Methane	ND	1.0	10
Bis (2-chloroethyl) Ether	ND	1.0	10	Bis (2-chloroisopropyl) Ether	ND	1.0	10
Bis (2-ethylhexyl) Phthalate	12	1.0	10	4-Bromophenyl Phenyl Ether	ND	1.0	10
Butylbenzyl Phthalate	ND	1.0	10	4-Chloroaniline	ND	1.0	20
4-Chloro-3-methylphenol	ND	1.0	10	2-Chloronaphthalene	ND	1.0	10
2-Chlorophenol	ND	1.0	10	4-Chlorophenyl Phenyl Ether	ND	1.0	10
Chrysene	ND	1.0	10	Dibenzo(a,h)anthracene	ND	1.0	10
Dibenzofuran	ND	1.0	10	Di-n-butyl Phthalate	ND	1.0	10
1,2-Dichlorobenzene	ND	1.0	10	1,3-Dichlorobenzene	ND	1.0	10
1,4-Dichlorobenzene	ND	1.0	10	3,3-Dichlorobenzidine	ND	1.0	20
2,4-Dichlorophenol	ND	1.0	10	Diethyl Phthalate	ND	1.0	10
2,4-Dimethylphenol	ND	1.0	10	Dimethyl Phthalate	ND	1.0	10
4,6-Dinitro-2-methylphenol	ND	1.0	50	2,4-Dinitrophenol	ND	1.0	50
2,4-Dinitrotoluene	ND	1.0	10	2,6-Dinitrotoluene	ND	1.0	10
Di-n-octyl Phthalate	ND	1.0	10	1,2-Diphenylhydrazine	ND	1.0	10
Fluoranthene	ND	1.0	10	Fluorene	ND	1.0	10
Hexachlorobenzene	ND	1.0	10	Hexachlorobutadiene	ND	1.0	10
Hexachlorocyclopentadiene	ND	1.0	50	Hexachloroethane	ND	1.0	10
Indeno (1,2,3-cd) pyrene	ND	1.0	10	Isophorone	ND	1.0	10
2-Methylnaphthalene	ND	1.0	10	2-Methylphenol (o-Cresol)	ND	1.0	10
3 &/or 4-Methylphenol (m,p-Cresol)	ND	1.0	10	Naphthalene	24	1.0	10
2-Nitroaniline	ND	1.0	50	3-Nitroaniline	ND	1.0	50
4-Nitroaniline	ND	1.0	50	2-Nitrophenol	ND	1.0	50
4-Nitrophenol	ND	1.0	50	Nitrobenzene	ND	1.0	10
N-Nitrosodiphenylamine	ND	1.0	10	N-Nitrosodi-n-propylamine	ND	1.0	10
Pentachlorophenol	ND	1.0	50	Phenanthrene	ND	1.0	10
Phenol	ND	1.0	10	Pyrene	ND	1.0	10
1,2,4-Trichlorobenzene	ND	1.0	10	2,4,5-Trichlorophenol	ND	1.0	10
2,4,6-Trichlorophenol	ND	1.0	10				

Surrogate Recoveries (%)

%SS1:	47.8	%SS2:	46.4
%SS3:	48.5	%SS4:	54.3
%SS5:	62.4	%SS6:	67.8

Comments: h

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: W WorkOrder: 0304289

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 6606 Spiked Sample ID: 0304281-008A

Compound	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(btex)£	ND	60	107	106	0.608	102	101	1.04	80	120
MTBE	ND	10	104	110	5.35	104	93.5	10.4	80	120
Benzene	ND	10	99.2	102	2.63	94.9	99.5	4.77	80	120
Toluene	ND	10	107	109	1.26	98.3	104	5.29	80	120
Ethylbenzene	ND	10	100	101	1.15	99.5	104	4.35	80	120
Xylenes	ND	30	103	107	3.17	103	110	6.25	80	120
%SS:	109	100	96.3	98.4	2.13	97.3	101	3.51	80	120

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS – MSD) / (MS + MSD) * 2.

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or

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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: W WorkOrder: 0304289

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 6622 Spiked Sample ID: 0304305-004A

Compound	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(btex)£	ND	60	114	112	1.75	98.4	98.4	0	80	120
MTBE	ND	10	92	91.7	0.303	104	105	0.576	80	120
Benzene	ND	10	98.4	103	4.21	96.8	96.7	0.114	80	120
Toluene	0.6261	10	97	101	3.58	101	100	0.665	80	120
Ethylbenzene	ND	10	102	104	2.51	101	101	0	80	120
Xylenes	2.4	30	98.7	102	3.08	107	107	0	80	120
%SS:	104	100	100	105	4.31	99	98.5	0.505	80	120

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS – MSD) / (MS + MSD) * 2.

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or

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QC SUMMARY REPORT FOR SW8021B

Matrix: W WorkOrder: 0304289

EPA Method: SW8021B Extraction: SW5030B BatchID: 6597 Spiked Sample ID: 0304312-001A

Compound	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Chlorobenzene	ND	10	96.2	93.1	3.29	93.5	96.7	3.40	70	130
1,1-Dichloroethene	ND	10	114	113	1.33	109	114	4.44	70	130
Trichloroethene	ND	10	91.8	88.8	3.30	87.3	91.1	4.25	70	130
%SS:	99.3	100	89.9	94.9	5.47	93.4	93.3	0.147	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS – MSD) / (MS + MSD) * 2.

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

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QC SUMMARY REPORT FOR SW8260B

Matrix: W WorkOrder: 0304289

EPA Method: SW8260B Extraction: SW5030B BatchID: 6617 Spiked Sample ID: 0304290-001A

Compound	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Benzene	ND	10	91.2	92.6	1.47	110	107	1.92	70	130
Methyl-t-butyl ether (MTBE)	ND	10	99	100	1.08	110	110	0	70	130
Toluene	5.844	10	87.9	92.3	2.99	119	115	3.44	70	130
%SS1:	110	100	109	108	0.553	93.5	103	9.34	70	130
%SS2:	92.3	100	93.3	93.3	0	91.8	91.5	0.338	70	130
%SS3:	110	100	110	111	1.08	115	116	0.366	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS – MSD) / (MS + MSD) * 2.

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

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QC SUMMARY REPORT FOR SW8270D

Matrix: W WorkOrder: 0304289

EPA Method: SW8270D Extraction: SW3510C BatchID: 6560 Spiked Sample ID: N/A

Compound	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Acenaphthene	N/A	50	N/A	N/A	N/A	58.9	56.9	3.46	30	130
4-Chloro-3-methylphenol	N/A	100	N/A	N/A	N/A	54.6	53	3.01	30	130
2-Chlorophenol	N/A	100	N/A	N/A	N/A	58.8	57.7	1.97	30	130
1,4-Dichlorobenzene	N/A	50	N/A	N/A	N/A	57.6	55.8	3.10	30	130
2,4-Dinitrotoluene	N/A	50	N/A	N/A	N/A	51.3	49	4.55	30	130
4-Nitrophenol	N/A	100	N/A	N/A	N/A	52.3	50.9	2.64	30	130
N-Nitrosodi-n-propylamine	N/A	50	N/A	N/A	N/A	67.6	64.2	5.13	30	130
Pentachlorophenol	N/A	100	N/A	N/A	N/A	42.5	42.4	0.271	30	130
Phenol	N/A	100	N/A	N/A	N/A	49.3	48	2.70	30	130
Pyrene	N/A	50	N/A	N/A	N/A	54.3	52.7	2.88	30	130
1,2,4-Trichlorobenzene	N/A	50	N/A	N/A	N/A	59.3	57.6	2.82	30	130
%SS5:	N/A	100	N/A	N/A	N/A	80.5	79.1	1.80	30	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS – MSD) / (MS + MSD) * 2.

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 0304289

Client:
Well Test, Inc.
1180 Delmas Avenue
San Jose, CA 95121

TEL: (408) 287-2175
FAX: (408) 287-2176
ProjectNo: #0908; City of Paris Cleaners
PO:

Date Received: **4/18/03**
Date Printed: **4/18/03**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests						
					SW8021B	8021B/8015	SW8260B	SW8270D			
0304289-001	W-MW-1	Water	4/15/03 11:45:00 AM		C	A	B	D			
0304289-002	W-MW-2	Water	4/15/03 11:50:00 AM		C	A	B	D			
0304289-003	W-MW-3	Water	4/15/03 11:55:00 AM		C	A	B	D			

Prepared by: Maria Venegas

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

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INVOICE for ANALYTICAL SERVICES

Project Name: #0908; City of Paris Cleaners
PO Number: N/A
Date Sampled: 4/15/03
Date Received: 4/18/03

Invoice N°: 0304289

INV DATE: *April 24, 2003*
Print DATE: *April 24, 2003*

Report To: Bill Dugan
Well Test, Inc.
1180 Delmas Avenue
San Jose, CA 95121

Invoice To: Accounts Payable
WellTest, Inc.
1180 Delmas Avenue
San Jose, CA 95121-1721

Description	TAT	Matrix	Qty	Mult	Unit Price	Test Total
Tests:						
EPA 8021B (8010 Basic List)	5 days	Water	3	1	$60.00	$180.00
EPA 8260B (MTBE & BTEX)	5 days	Water	3	1	$125.00	$375.00
EPA 8270D (Basic List)	5 days	Water	3	1	$180.00	$540.00
TPH(g) + MBTEX	5 days	Water	3	1	$45.00	$135.00
Miscellaneous:						
EDF Report			1	1	$25.00	$25.00
					SubTotal:	$1,255.00

Invoice Total: $1,255.00

Please include the invoice number with your check and remit to Accounts Receivable at the letter head address. We also accept credit card (Visa/Master Card/Discover/American Express) payment.

Terms are net 30 days from the invoice date. After this period 1.5% interest per month will be charged. Overdue accounts are responsible for all legal and collection fees. If you have any questions about billing, please contact Accounts Receivable at McCampbell Analytical.

Attachment B

Field Methods & Measurements

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Lic.# RG 6253

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STANDARD OPERATING PROCEDURES
FOR THE MONITORING
AND SAMPLING OF GROUNDWATER WELLS

Field Personnel: All WellTest, Inc field personnel are required to have completed 40 hours of Hazardous Waste Operations and Emergency Response training per 29 CFR 1910.120 with 8 hour annual refresher courses. Field personnel are trained and expected to comply with the requirements of the Site Safety Plan in effect at each site.

Sampling Methods: The static water level in each well is measured to the nearest 0.01-foot using an electric water-level sounder cleaned with Alconox® and water before use in each well. Surface liquids in wells are examined for visual evidence of hydrocarbons by gently lowering approximately half the length of a clean disposable bailer past the air/water interface. The bailer is then retrieved and inspected for floating product, sheen, emulsion, color, and clarity. The thickness of floating product detected is recorded to at least the nearest 1/8-inch. Wells, which do not contain floating product, are purged using a submersible pump or bailer. The pump, cables, and hoses are steam-cleaned or cleaned with Alconox® and water before use in each well. The wells are purged until withdrawal is of sufficient duration to result in stabilized pH, temperature, and electrical conductivity of the water, as measured using portable meters calibrated to a standard buffer and conductivity standard, or not to exceed four well -case volumes. If the well becomes dewatered, the water level is allowed to recover to at least 80 percent of the initial water level. A sample of the formation water is then collected from each of the wells using either a disposable bailer or cleaned stainless-steel bailer. The water samples are then gently poured into laboratory-supplied, 40-milliliter (ml) glass vials, 500 ml plastic bottles, or 1-liter glass bottles (as required per specific laboratory analysis), sealed with Teflon®-lined caps, and inspected for air bubbles to check for headspace, which would may allow volatilization to occur. The samples are then labeled and promptly placed in iced storage. A field log of well evacuation procedures and parameter monitoring is maintained. Water generated by the purging of wells is stored in 55-gallon drums onsite and remains the responsibility of the client. A Chain of Custody Record is initiated by the sampling technician and updated throughout handling of the samples, and accompanies the samples to a laboratory certified by the State of California for the analyses requested.

WellTest, Inc.

Subsurface Environmental Sampling

1160 Delmas Avenue
San Jose, CA 95125
Lic. #: R.G. 6253
Tel. (408) 287-2175
Fax. (408) 287-2176
Mobile (408) 460-1884

Groundwater Monitoring Record

Technician Initials DN

- ☐ Initial Groundwater Data Event
- ☐ Monthly Groundwater Data Event
- ☒ Quarterly Groundwater Data Event
- ☐ Biannual Groundwater Data Event
- ☐ Annual Groundwater Data Event

Site Name City of Paris Cleaners (Job #0906)

Address 3516 Adeline Street, Oakland, CA

Date 04/16/03 **Well I.D.** MW- 1

Field Crew Dave Nitzberg

Task ☒ Well Gauging ☒ Well Sampling ☐ Product Meas.

Wellhead Inspection

☒ ☐ Well locked?
☐ ☒ Well Cap need replacement?

Pump Intake Depth (feet BTOC) N/A

Purge Method ☒ Disposable Bailer ☐ PVC Bailer
☐ Electric Submersible Pump 12-Volt System (2" / 4")
☐ Electric Submersible Pump Red-flo System (2" / 4")
☐ Peristaltic Pump ☐ Other

Purge Volume Calculations

Total Depth of well 26.97 ft
Depth to water 9.23 ft
Height of Water in well 17.74 ft

17.74 ft (Height of Water in well Casing) x (2-inch Casing = 0.17 gal/ft; 4-inch casing = 0.67 gal/ft; 5-inch casing = 1.02 gal/ft; 6-inch casing = 1.47 gal/ft) = 3.02 gal (One Well Volume)

3.02 gal (One Well Volume) x 4 (Number of Target Well Volumes) = 12.06 gal (Target Purge Volume)

DTW Stabilization Log

Pre-Purge

TIME	DTW (ft) BTOC
10:07	Open Well
10:08	10.37
10:12	10.18
10:17	10.13
10:26	9.89
11:41	9.29
12:18	9.23
12:20	9.23

Post-Purge

TIME	DTW (ft) BTOC
12:33	12.77
12:36	11.04
12:39	9.38
	Close Well

TIME	GALLONS	Purge Status	D.O. [mg/L]	O.R.P. [uS]	pH	EH [uS]	TEMP. C	Turbidity N.T.U	DTW (ft) BTOC
12:20	0 - Static	Pre-Purge							9.23
12:22	1	Purging			6.81	1615	17.6		—
12:26	7	Purging			6.77	1623	17.2		—
12:32	12.5	Purging			6.83	1625	17.2		—
		Purging							—
12:37	—	Purging							9.38
	—	Purging							
12:45	—	Collect Sample	—	—	—	—	—	—	

Sediment Load/Color: Clear w/ Spotty Sheen

Sample Collection: ☒ Disposable Bailer ☐ PVC Bailer ☐ Stainless-Steel Bailer ☐ No Product Odor ☒ Product Odor

Approximate Sample Depth: 9.38 [ft btoc] at air/water interface

Sample Handing: Samples placed in iced storage.

Purge Water Status: ☒ Placed in 55-Gal. Drum ☐ Put into treatment system

Sample Containers:

40 ml VOA vials	4	500 ml plastic	—
1-liter amber glass	1	125 ml amber glass	—
250ml amber glass	—	other	—

WellTest, Inc.

Subsurface Environmental Sampling

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San Jose, CA 95125
Lic. #: R.G. 6253
Tel. (408) 287-2175
Fax. (408) 287-2176
Mobile (408) 460-1884

Groundwater Monitoring Record

Technician Initials DN

- ☐ Initial Groundwater Data Event
- ☐ Monthly Groundwater Data Event
- ☒ Quarterly Groundwater Data Event
- ☐ Biannual Groundwater Data Event
- ☐ Annual Groundwater Data Event

Site Name City of Paris Cleaners (Job #0906) (909)

Address 3516 Adeline Street, Oakland, CA

Date 04/15/03 **Well I.D.** MW- 2

Field Crew Dave Nitzberg

Task ☒ Well Gauging ☒ Well Sampling ☐ Product Meas.

Wellhead Inspection

yes	no	
☒	☐	Well locked?
☐	☒	Well Cap need replacement?

Pump Intake Depth (feet BTOC) ≈ 17

Purge Method
- ☐ Disposable Bailer ☐ PVC Bailer
- ☒ Electric Submersible Pump 12-Volt System (2" / 4")
- ☐ Electric Submersible Pump Red-flo System (2" / 4")
- ☐ Peristaltic Pump ☐ Other

Purge Volume Calculations

Total Depth of well 29.39 ft
Depth to water 8.52 ft
Height of Water in well 20.87 ft

20.87 ft (Height of Water in well Casing) x (2-inch Casing = 0.17 gal/ft; 4-inch casing = 0.67 gal/ft; 5-inch casing = 1.02 gal/ft; 6-inch casing = 1.47 gal/ft) = 3.55 gal (One Well Volume)

3.55 gal (One Well Volume) x 4 (Number of Target Well Volumes) = 14.2 gal (Target Purge Volume)

DTW Stabilization Log

Pre-Purge

TIME	DTW (ft) BTOC
10:11	Open Well
10:13	9.77
10:19	9.44
10:28	9.32
11:40	8.52
11:46	8.52

Post-Purge

TIME	DTW (ft) BTOC
12:02	15.07
12:05	10.96
12:08	9.67
12:11	8.71
12:21	Close Well

TIME	GALLONS	Purge Status	D.O. [mg/L]	O.R.P. [uS]	pH	EH [uS]	TEMP. C	Turbidity N.T.U	DTW (ft) BTOC
11:46	0 - Static	Pre-Purge							8.52
11:52	5	Purging			7.22	1583	17.6		—
11:56	7	Purging			7.19	1571	17.7		—
12:01	14.5	Purging			7.20	1585	17.7		—
		Purging							—
12:11	—	Purging							8.71
	—	Purging							
12:17	—	Collect Sample	—	—	—	—	—	—	

Sediment Load/Color: Clear w/ Yellow Sediment

Sample Collection:
- ☒ Disposable Bailer
- ☐ PVC Bailer
- ☐ Stainless-Steel Bailer
- ☐ No Product Odor
- ☒ Product Odor

Approximate Sample Depth: 8.71 [ft btoc] at air/water interface

Sample Handing: Samples placed in iced storage.

Purge Water Status:
- ☒ Placed in 55-Gal. Drum
- ☐ Put into treatment system

Sample Containers:

40 ml VOA vials	4	500 ml plastic	—
1-liter amber glass	1	125 ml amber glass	—
250ml amber glass	—	other	—

WellTest, Inc. Job#: ~~0906~~ 909

WellTest, Inc.

Subsurface Environmental Sampling

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Mobile (408) 460-1884

Groundwater Monitoring Record

Technician Initials DN

- ☐ Initial Groundwater Data Event
- ☐ Monthly Groundwater Data Event
- ☒ Quarterly Groundwater Data Event
- ☐ Biannual Groundwater Data Event
- ☐ Annual Groundwater Data Event

Site Name City of Paris Cleaners (Job #~~0906~~) (908)

Address 3516 Adeline Street, Oakland, CA

Date 04/15/03 **Well I.D.** MW- 3

Field Crew Dave Nitzberg

Task ☒ Well Gauging ☒ Well Sampling ☐ Product Meas.

Wellhead Inspection

yes no
☒ ☐ Well locked?
☐ ☒ Well Cap need replacement?

Pump Intake Depth (feet BTOC) N/A

Purge Method ☐ Disposable Bailer ☒ PVC Bailer
- ☐ Electric Submersible Pump 12-Volt System (2" / 4")
- ☐ Electric Submersible Pump Red-flo System (2" / 4")
- ☐ Peristaltic Pump ☐ Other _____

Purge Volume Calculations

Total Depth of well 26.95 ft
Depth to water 8.31 ft
Height of Water in well 18.64 ft

18.64 ft (Height of Water in well Casing) × (2-inch Casing = 0.17 gal/ft; 4-inch casing = 0.67 gal/ft; 5-inch casing = 1.02 gal/ft; 6-inch casing = 1.47 gal/ft) = 3.17 gal (One Well Volume)

3.17 gal (One Well Volume) × 4 (Number of Target Well Volumes) = 12.67 gal (Target Purge Volume)

DTW Stabilization Log

Pre-Purge

TIME	DTW (ft) BTOC
10:14	Open Well
10:15	10.19
10:20	9.97
10:29	9.88
11:33	9.47
12:12	8.51
12:18	8.51

Post-Purge

TIME	DTW (ft) BTOC
13:04	11.88
13:08	9.01
13:11	8.41
	Close Well

TIME	GALLONS	Purge Status	D.O. [mg/L]	O.R.P. [uS]	pH	EH [uS]	TEMP. C	Turbidity N.T.U	DTW (ft) BTOC
12:18	0 - Static	Pre-Purge							8.51
12:52	1	Purging			6.91	1606	16.9		—
12:57	7	Purging			6.97	1608	17.3		—
13:03	13	Purging			6.96	1614	17.1		—
		Purging							—
13:11	—	Purging							8.41
	—	Purging							
13:16	—	Collect Sample	—	—	—	—	—	—	

Sediment Load/Color: _____

Sample Collection: ☒ Disposable Bailer ☐ PVC Bailer ☐ Stainless-Steel Bailer
☐ No Product Odor ☒ Product Odor
Approximate Sample Depth: 8.41 [ft btoc] at air/water interface

Sample Handing: Samples placed in iced storage.

Purge Water Status: ☒ Placed in 55-Gal. Drum ☐ Put into treatment system

Sample Containers:

40 ml VOA vials	4	500 ml plastic	—
1-liter amber glass	1	125 ml amber glass	—
250ml amber glass	—	other	—

WellTest, Inc. Job#: ~~0906~~ 908

Attachment C

Regulatory Directive Letter

WellTest, Inc.
1180 Delmas Avenue
San Jose, CA 95125
(408) 287-2175
Lic.# RG 6253

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

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

January 9, 2003

Linda Champion
9441 Laguna Lake Way
Elk Grove, CA 95758

Dear Ms. Champion:

Subject: Fuel Leak Case No. RO0000133, City of Paris Cleaners, 3516 Adeline Street, Oakland, CA

Alameda County Environmental Health (ACEH) staff has reviewed the "Groundwater Testing Report – 1st Quarter 2002," dated April 25, 2002, prepared by Well Test, Inc. We request that you address the following technical comments and send us the technical reports requested below.

TECHNICAL COMMENTS

1) Risk Evaluation – During the most recent groundwater sampling event on March 22, 2002, Total Petroleum Hydrocarbons as Stoddard Solvent (TPH-SS) were detected as high as 11,000 ug/l, found in monitoring well MW-1. These were the first samples since 1997. The California Regional Water Quality Control Board San Francisco Bay Region's (CRWQCB-SF) Tier 1 RBSL's for TPH-Gasoline (TPH-G) where groundwater is not a current or potential drinking water resource of 5,000 ug/l was exceeded. Therefore, the TPH-SS concentrations must be reduced to the CRWQCB-SF Tier 1 RBSL or higher if a site specific risk evaluation can show that it will not be detrimental to human health or the environment. Or perform a site specific risk evaluation which shows that the TPH-SS concentrations found will not be detrimental to human health or the environment.

2) Groundwater Monitoring – In addition to TPH-SS, other contaminants detected on March 22, 2002 were Methyl tert-Butyl Ether (MTBE) at up to 31 ug/l, 1,2-Dichlorobenzene (1,2-DCB) at up to 0.61 ug/l, and naphthalene at up to 130 ug/l. Benzene, Toluene, Ethyl Benzene, Xylene (BTEX), were not detected in any of the samples collected. Since the TPH-SS concentration was high, continue groundwater monitoring and sampling for TPH-SS.

TECHNICAL REPORT REQUEST

Please submit technical reports to the Alameda County Environmental Health (Attention: Don Hwang), according to the following schedule:

March 6, 2003 –

a) 3rd Quarter Groundwater Monitoring Report
b) Workplan to reduce TPH-SS groundwater concentrations to the CRWQCB-SF Tier 1 RBSL or higher if a site specific risk evaluation can show that it will not be detrimental to human health or the environment or a workplan to perform a site specific risk evaluation which shows that the TPH-SS found will not be detrimental to human health or the environment.
c) 4th Quarter Groundwater Monitoring Report

April 31, 2003 – 1st Quarter Groundwater Monitoring Report

These reports are being requested pursuant to the Regional Water Quality Control Board's (Regional Board) authority under Section 13267 of the California Water Code. If you have any questions, please call me at 510-567-6746.

Sincerely,

Don Hwang
Hazardous Materials Specialist
Local Oversight Program

C: Bill Dugan, Well Test, Inc., 1180 Delmas Ave., San Jose, CA 95125

file

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San Jose, CA 95125
(408) 287-2175 Phone
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