

2009
SH

C A M B R I A

June 4, 2001

Susan Hugo
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

JUN 07 2001

Re: **First Quarter 2001 Monitoring Report,
Sensitive Receptor Survey and Closure Request**
Former Shell Service Station
2800 Telegraph Avenue
Oakland, California
Incident #97093398
Cambria Project #243-1507-002



Dear Ms. Hugo:

On behalf of Equiva Services LLC, Cambria Environmental Technology, Inc. (Cambria) is submitting this groundwater monitoring report in accordance with the reporting requirements of 23 CCR 2652d. Also summarized herein are results of a recent sensitive receptor survey and our closure request.

FIRST QUARTER 2001 ACTIVITIES

Groundwater Monitoring: Blaine Tech Services, Inc. (Blaine) of San Jose, California gauged and sampled the site wells, calculated groundwater elevations and compiled the analytical data. Cambria prepared a groundwater elevation contour map (Figure 1). Blaine's report, presenting the laboratory report and supporting field documents, is included as Attachment A.

Sensitive Receptor Survey: To evaluate the presence of sensitive receptors in the vicinity of the site, Cambria attempted to identify wells and underground utility conduits which may be impacted by subsurface conditions onsite.

To locate records of municipal and private wells in the site vicinity, well information for a 1/2-mile radius of the site was requested from Anne Roth of the California Department of Water Resources (DWR). The DWR provided over 100 well completion report forms or equivalents, many of which included multiple wells. Forms were provided for one irrigation well, one industrial well, four unidentified wells, three cathodic wells and one destroyed well of unknown

Oakland, CA
San Ramon, CA
Sonoma, CA


**Cambria
Environmental
Technology, Inc.**

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use (see Table 1 and Attachment B). Review of the location information indicates that none of these wells are within a ½-mile radius of the site (see Figure 2). The remaining forms represent approximately 150 monitoring wells (including destroyed monitoring wells) which were not mapped by Cambria.

A utility conduit survey was conducted to determine the location of potential preferential pathways beneath the site vicinity. Conduit trenches are often back-filled with materials which are more permeable than the surrounding native soils, therefore providing a path of least resistance for petroleum hydrocarbon migration. The utility survey consisted of reviewing maps and plans acquired from the City of Oakland Engineering Department, East Bay Municipal Utility District (EBMUD) and Pacific Gas and Electric Company, and conducting a site visit to identify underground utilities in the vicinity. The identified locations of sanitary sewer, storm drain, electrical, water, natural gas, and electric utility lines are shown on Figure 3.

Utility survey results indicate that Telegraph Avenue is underlain by two southward flowing, 12-inch diameter sanitary sewer pipes, one abandoned sanitary sewer, and a 27-inch, southward flowing storm drain, as well as water, gas and electrical lines (see Figure 3). An eastward flowing, 12-inch diameter sanitary sewer line and a water line are located beneath 28th Street west of Telegraph Avenue. A westward flowing, 12-inch diameter sanitary sewer, a storm drain, and water, gas and electrical lines are located beneath 28th Street east of Telegraph Avenue. City of Oakland engineering maps of the region indicate that the sewer lines and storm drain lines are typically buried at depths of approximately 9.0 feet and 7.0 feet, respectively, to the top of the pipe. Based on discussions with Debra Braxton of EBMUD, the water main pipes are typically buried to a depth of approximately 8.0 feet to the top of the pipe. Depths of the electrical and gas lines could not be determined from available information, but are typically shallow in depth and narrow in width. Historically, groundwater depth ranges from approximately 6.0 feet below grade (fbg) to 12.3 fbg, and groundwater flow direction is south to southwest. Therefore, the sanitary sewer, storm drain and water lines identified may, at times, be deeper than the groundwater surface and may affect groundwater flow. However, given the very low concentrations of analytes in onsite groundwater, significant migration of dissolved chemicals in groundwater from the site is not expected.

ANTICIPATED FUTURE ACTIVITIES

Closure Request: First quarter 2001 monitoring data indicate that benzene and methyl tertiary butyl ether (MTBE) were reported at low concentrations in well S-8, but not in the other active site wells, S-1, S-4, S-5, S-6, S-10 and SR-1 (see Attachment A). Wells S-5 and S-10 have not contained total petroleum hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene and xylenes (BTEX) or MTBE since construction in 1992. Wells S-1 and S-4 have not contained TPHg, BTEX or MTBE since 1993, and well S-6 has not contained TPHg, BTEX or MTBE since the third quarter 2000. No municipal and private wells were identified within a ½-mile radius of the site during a recent DWR well survey. Based on the lack of significant subsurface impact and the lack of any known receptors, no further action is warranted at the site. Therefore, Cambria requests that site closure be granted by the Alameda County Health Care Services Agency (ACHCSA) and the Regional Water Quality Control Board.

Groundwater Monitoring: During ACHCSA case closure review, we recommend suspension of groundwater monitoring. Since the third quarter sampling event would normally occur in September, Cambria will contact ACHCSA in August to verify that this is acceptable and to determine if there are any other requirements for closure.

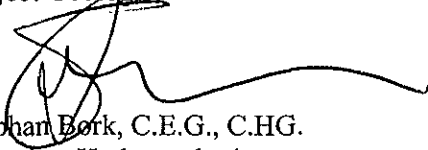
CLOSING

We appreciate the opportunity to work with you on this project. Please call Jacquelyn Jones at (510) 420-3316 if you have any questions or comments.

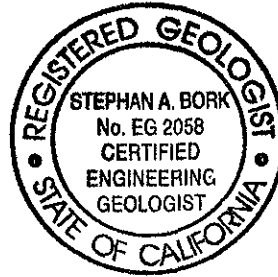
Sincerely,
Cambria Environmental Technology, Inc



Jacquelyn L. Jones
Project Geologist



Stephan Bork, C.E.G., C.HG.
Associate Hydrogeologist



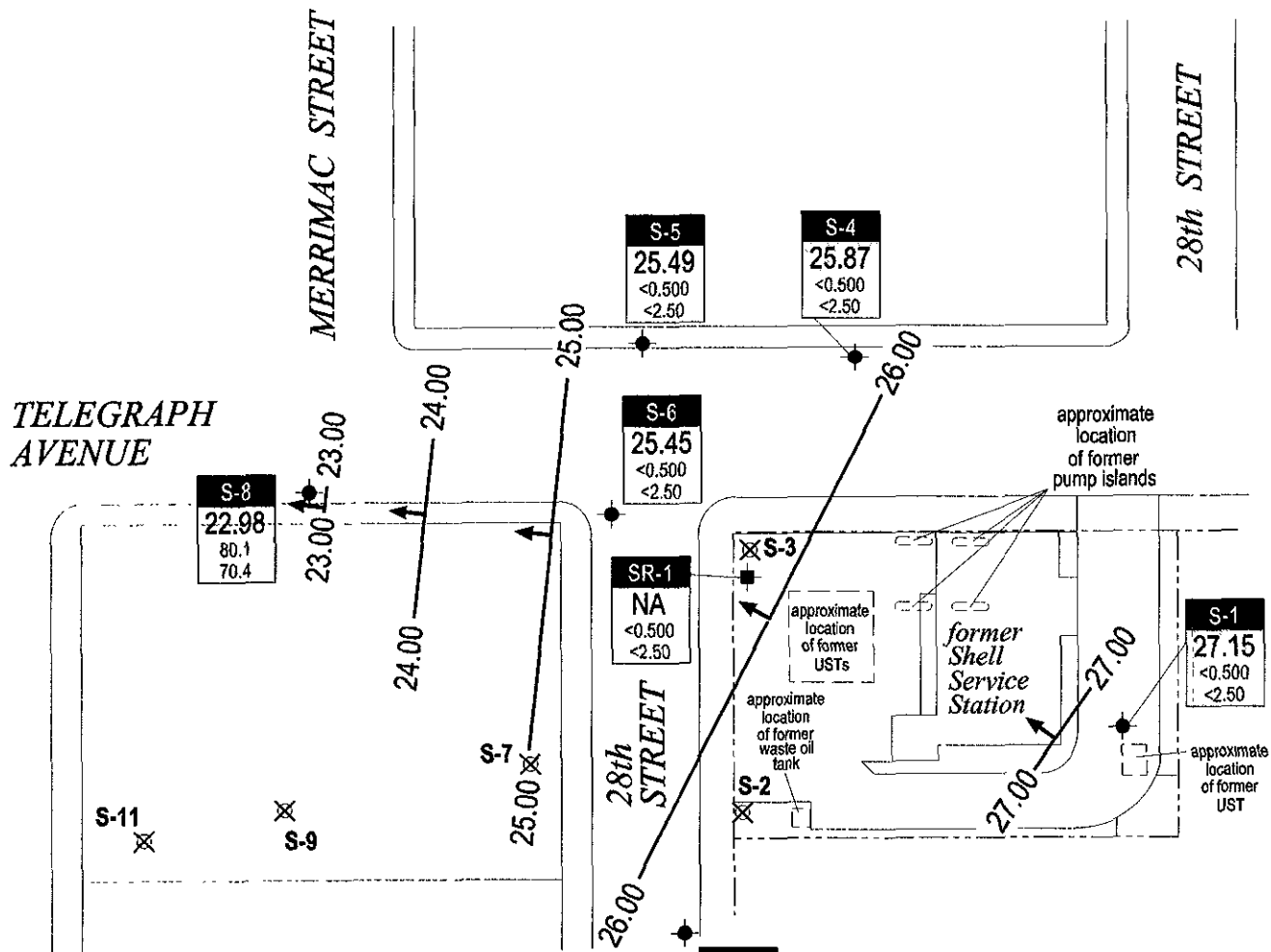
Figures: 1 - Groundwater Elevation Contour Map
2 - Area Well Survey
3 - Utility Location Map

Table: 1 - Well Survey Results

Attachment: A - Blaine Groundwater Monitoring Report and Field Notes
B - Well Driller's Report Forms

cc: Karen Petryna, Equiva Services LLC, P.O. Box 7869, Burbank, California 94510-7869
Harmon Management Corp., 199 First Street #212, Los Altos, CA 94022-2767

G:\Oakland 2800 Telegraph\Qm\1q01qm - SRSand Closure Req.doc



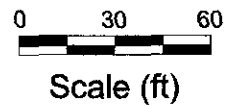
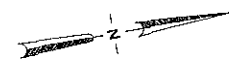
EXPLANATION

- S-1 ● Monitoring well location
- S-2 ✕ Destroyed monitoring well location
- SR-1 ■ Recovery well location
- NA Not available

→ Groundwater flow direction

— XX.XX Groundwater elevation contour, in feet above mean sea level (msl), approximately located; dashed where inferred

Well	Well designation
ELEV	Groundwater elevation, in feet above msl
Benzene MTBE	Benzene and MTBE concentrations are in parts per billion and are analyzed by EPA Method 8020; MTBE results in parentheses are analyzed by EPA Method 8260



FIGURE

1

Scale (ft)

G:\OAKLAND\2800TELEGRAPH\FIGURES\10M01-1.MP.DWG

Base map taken from Weiss Associates Site Map

Former Shell Service Station

2800 Telegraph Avenue

Oakland, California

Incident #97093398

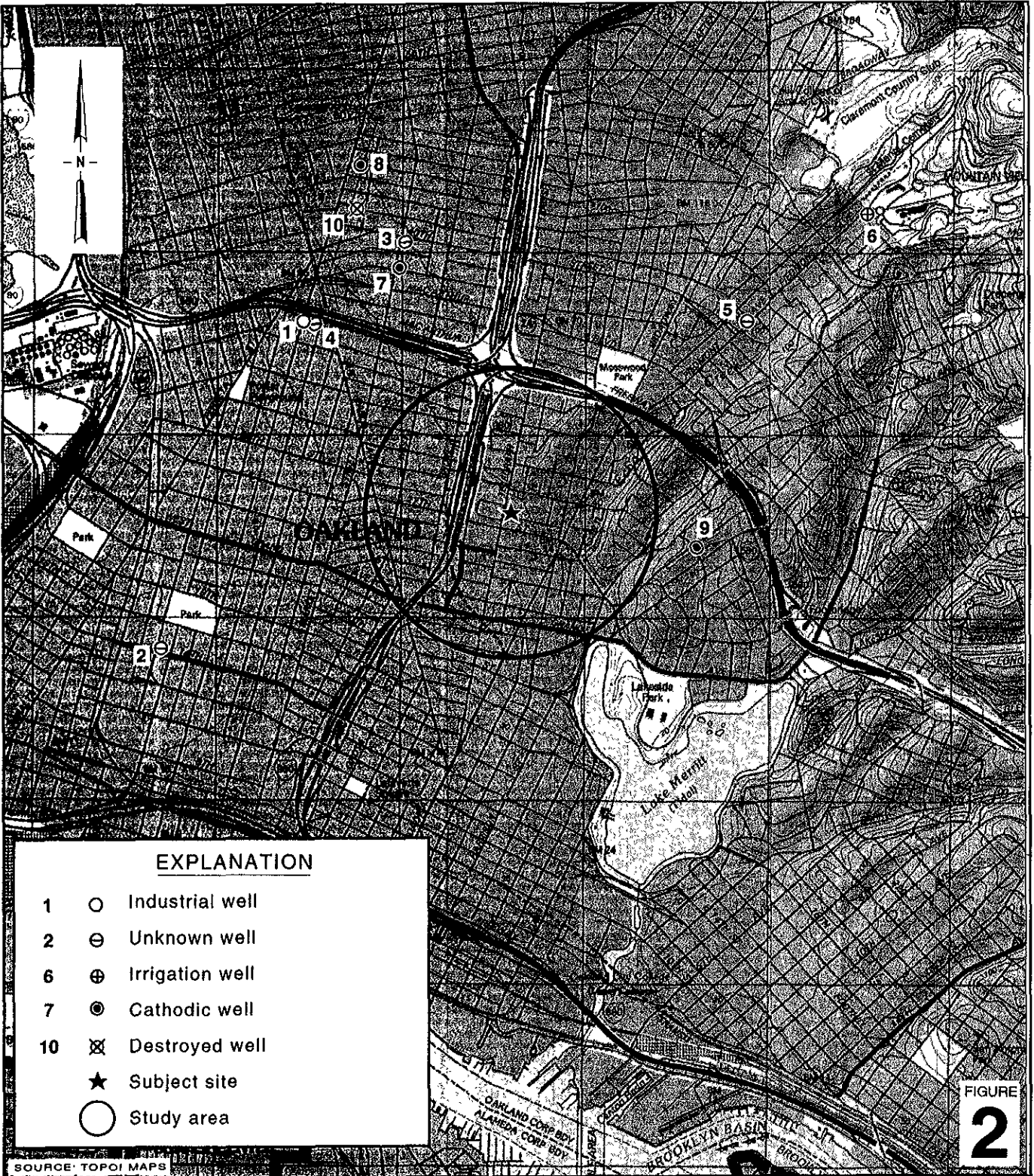


C A M B R I A

Groundwater Elevation Contour Map

March 9, 2001

G:\OAKLAND\2800TELEGRAPH\FIGURES\WELL-SURVEY.A1



EXPLANATION	
1	○ Industrial well
2	⊖ Unknown well
6	⊕ Irrigation well
7	⊙ Catholic well
10	⊗ Destroyed well
★	Subject site
○	Study area

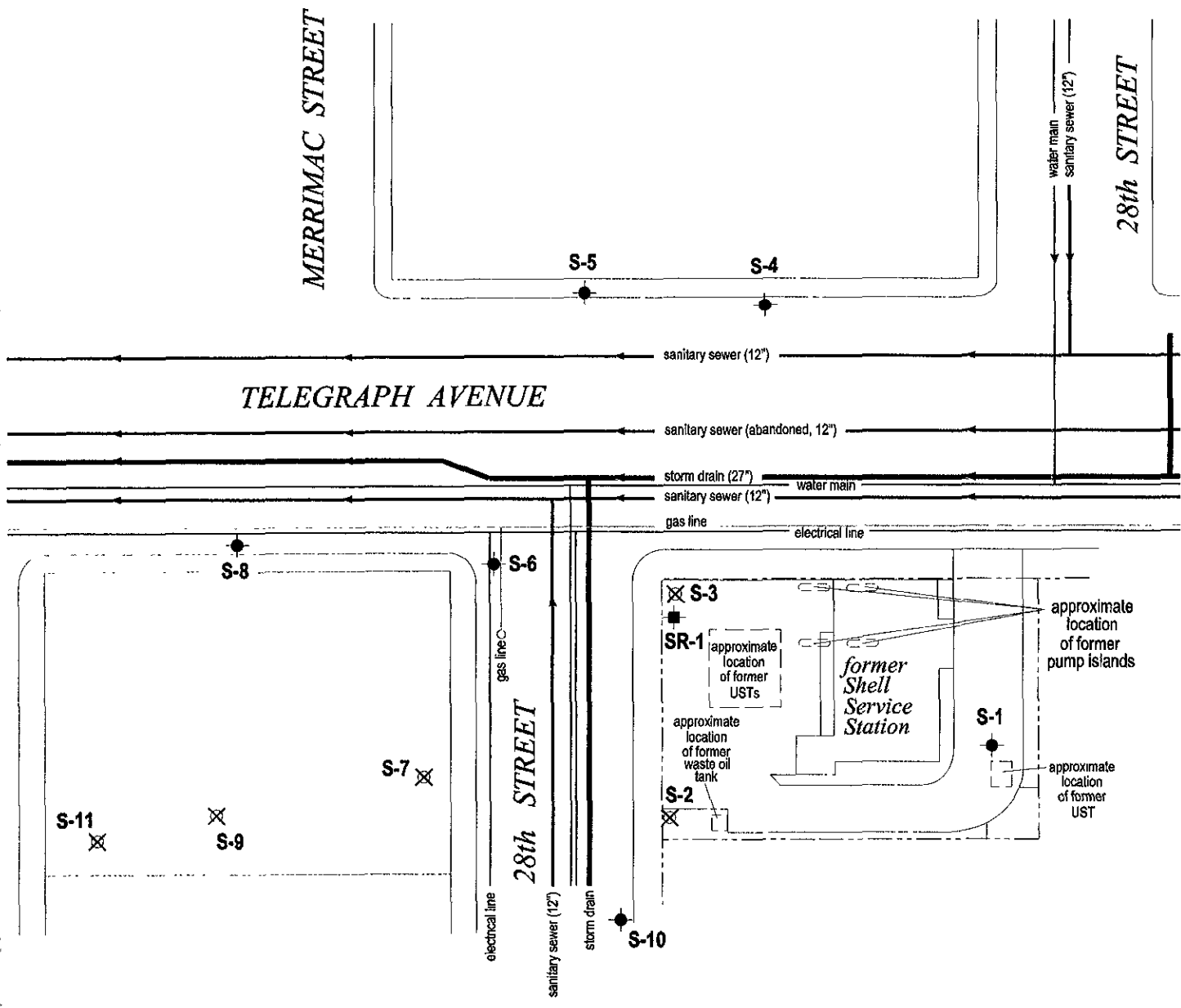
FIGURE 2

0 1/4 1/2 1 2
SCALE : 1" = 1/2 MILE

Former Shell Service Station
2800 Telegraph Avenue
Oakland, California
Incident #97093398

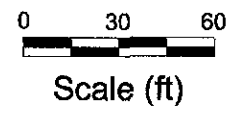
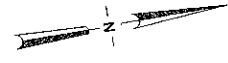


Area Well Survey
(1/2 Mile Radius)



EXPLANATION

- S-1 ● Monitoring well location
- S-2 ✕ Destroyed monitoring well location
- SR-1 ■ Recovery well location
- Gas line
- Electrical line
- Water main
- Sanitary sewer
- Storm drain
- ▲ Flow direction



FIGURE

3

Former Shell Service Station
 2800 Telegraph Avenue
 Oakland, California
 Incident #97093398



C A M B R I A

**Utility Location
 Map**

G:\OAKLAND\2800TELEGRAPH\FIGURES\UTILITIES.DWG
 Base map taken from Weiss Associates Site Map

Table 1. Well Survey Results -Former Shell-branded Service Station, Incident #97093398, 2800 Telegraph Avenue, Oakland, California

Location	Well ID	Installation Date	Owner	Use	Depth (ft bgs)	Screened Interval (ft bgs)	Sealed Interval (ft bgs)
Well Locations provided by the State of California Department of Water Resources							
1	1S4W-23E	UNK	City of Paris Laundry	IND	97	UNK	UNK
2	1S/4W-23	UNK	American Creamery Company	UNK	195	UNK	UNK
3	1S/4W-23	May 8, 1928	Toscani Bakery	UNK	108	UNK	UNK
4	1S/4W-23E	April 30, 1927	City of Paris Laundry	UNK	295	125-150, 178-198, 210-240	UNK
5	1S/4W-24L1	July 27, 1979	John Bond	UNK	198	132-184	0-30
6	1S/4W-24H2	May 7, 1991	Mountain View Cemetary	IRR	399	141-361	0-20
7	1S/4W-23F1	April 19, 1974	Pacific Gas & Electric	CATH	120	None	0-99
8	1S/4W-23D	May 16, 1973	Pacific Gas & Electric	CATH	120	None	0-120
9	1S/4W25L1	August 7, 1974	Pacific Gas & Electric	CATH	120	None	0-95
10	1S/4W23E2	Feb. 25, 1991	Mayborn Property	UNK	65	DEST	DEST

Abbreviations & Notes:

Location = Column number refers to map location on Figure 2

Well ID = California State well identification number as recorded by the Department of Water Resources in Sacramento, California

ft bgs = Feet below ground surface

UNK = Unknown

IRR = Irrigation

IND = Industrial

DEST = Destroyed

CATH = Cathodic

ATTACHMENT A
Blaine Groundwater Monitoring Report
and Field Notes

BLAINE
TECH SERVICES, INC.



1680 ROGERS AVENUE
SAN JOSE, CA 95112-1105
(408) 573-7771 FAX
(408) 573-0555 PHONE
CONTRACTOR'S LICENSE #746684
www.blainetech.com

April 2, 2001

Karen Petryna
Equiva Services LLC
P.O. Box 7869
Burbank, CA 91510-7869

First Quarter 2001 Groundwater Monitoring at
Former Shell Service Station
2800 Telegraph Avenue
Oakland, CA

Monitoring performed on March 9, 2001

Groundwater Monitoring Report **010309-F-1**

This report covers the routine monitoring of groundwater wells at this Former Shell facility. In accordance with standard procedures that conform to Regional Water Quality Control Board requirements, routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, calculated purge volume (if applicable), elapsed evacuation time (if applicable), total volume of water removed (if applicable), and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater (if applicable) is, likewise, collected and transported to the Martinez Refining Company.

Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

At a minimum, Blaine Tech Services, Inc. field personnel are certified on completion of a forty hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight hour refresher courses.

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. In order to avoid compromising the objectivity necessary for the proper and disinterested performance of this work, Blaine Tech Services, Inc. concentrates on objective data collection and does not participate in the interpretation of analytical results, the definition of geological or hydrological conditions, the formulation of recommendations, or the marketing of remedial systems.

Please call if you have any questions.

Yours truly,

A handwritten signature in black ink, appearing to read "Deidre Kerwin", with a long horizontal flourish extending to the right.

Deidre Kerwin
Operations Manager

DK/jt

attachments: Cumulative Table of WELL CONCENTRATIONS
Certified Analytical Report
Field Data Sheets

cc: Anni Kreml
Cambria Environmental Technology, Inc.
1144 65th Street, Suite C
Oakland, CA 94608-2411

WELL CONCENTRATIONS
Former Shell Service Station
2800 Telegraph Avenue
Oakland, CA
Wic #204-5508-2303

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOB (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
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S-1	05/04/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	35.31	9.50	25.81	NA
S-1	08/10/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	35.31	10.85	24.46	NA
S-1	11/09/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	35.31	10.34	24.97	NA
S-1	02/23/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	35.31	7.60	27.71	NA
S-1	06/07/1993	<50	2.8	1.3	0.7	3.0	NA	NA	35.31	8.63	26.68	NA
S-1	08/13/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	35.31	9.20	26.11	NA
S-1	11/18/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	35.31	10.58	24.73	NA
S-1	02/10/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	35.31	8.41	26.90	NA
S-1	05/03/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	35.31	9.09	26.22	NA
S-1	08/01/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	35.31	8.81	26.50	NA
S-1	11/08/1994	NA	NA	NA	NA	NA	NA	NA	35.31	9.32	25.99	NA
S-1	02/03/1995	NA	NA	NA	NA	NA	NA	NA	35.31	6.98	28.33	NA
S-1	08/02/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	35.31	9.35	25.96	NA
S-1	02/02/1996	NA	NA	NA	NA	NA	NA	NA	35.31	7.45	27.86	NA
S-1	05/04/1996	NA	NA	NA	NA	NA	NA	NA	35.31	8.91	26.40	NA
S-1	08/02/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	35.31	9.33	25.98	NA
S-1	10/02/1996	NA	NA	NA	NA	NA	NA	NA	35.31	10.11	25.20	NA
S-1	01/08/1997	NA	NA	NA	NA	NA	NA	NA	35.31	7.93	27.38	NA
S-1	04/17/1997	NA	NA	NA	NA	NA	NA	NA	35.31	8.94	26.37	NA
S-1	07/01/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	35.31	9.55	25.76	NA
S-1	10/07/1997	NA	NA	NA	NA	NA	NA	NA	35.31	9.43	25.88	NA
S-1	01/07/1998	NA	NA	NA	NA	NA	NA	NA	35.31	8.21	27.10	NA
S-1	04/02/1998	NA	NA	NA	NA	NA	NA	NA	35.31	8.27	27.04	NA
S-1	07/02/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	35.31	8.97	26.34	NA
S-1	10/01/1998	NA	NA	NA	NA	NA	NA	NA	35.31	9.89	25.42	NA

WELL CONCENTRATIONS
Former Shell Service Station
2800 Telegraph Avenue
Oakland, CA
Wic #204-5508-2303

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOB (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
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S-1	01/12/1999	NA	NA	NA	NA	NA	NA	NA	35.31	8.45	26.86	NA
S-1	04/19/1999	NA	NA	NA	NA	NA	NA	NA	35.31	9.04	26.27	NA
S-1	07/09/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	35.31	9.11	26.20	NA
S-1	10/06/1999	NA	NA	NA	NA	NA	NA	NA	35.31	9.00	26.31	NA
S-1	03/07/2000	NA	NA	NA	NA	NA	NA	NA	35.31	7.31	28.00	NA
S-1	06/01/2000	NA	NA	NA	NA	NA	NA	NA	35.31	8.85	26.46	NA
S-1	09/08/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	35.31	9.50	25.81	NA
S-1	11/29/2000	NA	NA	NA	NA	NA	NA	NA	35.31	10.16	25.15	NA
S-1	03/09/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	35.31	8.16	27.15	NA

S-2	05/04/1992	1600	190	6.0	240	54	NA	NA	33.91	9.44	24.47	NA
S-2	08/10/1992	<50	4.1	<0.5	<0.5	<0.5	NA	NA	33.91	10.73	23.18	NA
S-2	09/11/1992	84	19	0.7	2.2	4.3	NA	NA	33.91	NA	NA	NA
S-2	11/09/1992	NA	NA	NA	NA	NA	NA	NA	33.91	10.29	23.62	NA
S-2	02/23/1993	16000	1600	480	850	1800	NA	NA	33.91	9.04	24.87	NA
S-2	04/08/1993	Well destroyed		NA	NA	NA	NA	NA	NA	NA	NA	NA

S-3	05/04/1992	NA	NA	NA	NA	NA	NA	NA	33.56	9.22	24.34	NA
S-3	08/10/1992	Well paved over		NA	NA	NA	NA	NA	NA	NA	NA	NA

S-4	05/04/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	34.08	9.96	24.12	NA
S-4	08/10/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	34.08	11.32	22.76	NA
S-4	11/09/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	34.08	11.29	22.79	NA
S-4	02/23/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	34.08	9.82	24.26	NA
S-4	06/07/1993	50	9.2	5.5	3.3	14	NA	NA	34.08	10.51	23.57	NA
S-4	08/13/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	34.08	11.05	23.03	NA

WELL CONCENTRATIONS
Former Shell Service Station
2800 Telegraph Avenue
Oakland, CA
Wic #204-5508-2303

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOB (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
S-4	11/18/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	34.08	11.34	22.74	NA
S-4	02/10/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	34.08	9.93	24.15	NA
S-4	05/03/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	34.08	10.40	23.68	NA
S-4	08/01/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	34.08	10.68	23.40	NA
S-4	11/08/1994	NA	NA	NA	NA	NA	NA	NA	34.08	9.44	24.64	NA
S-4	02/03/1995	NA	NA	NA	NA	NA	NA	NA	34.08	9.18	24.90	NA
S-4	08/02/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	34.08	10.62	23.46	NA
S-4	02/02/1996	NA	NA	NA	NA	NA	NA	NA	34.08	9.23	24.85	NA
S-4	05/04/1996	NA	NA	NA	NA	NA	NA	NA	34.08	10.37	23.71	NA
S-4	08/02/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	34.08	10.69	23.39	NA
S-4	10/02/1996	NA	NA	NA	NA	NA	NA	NA	34.08	10.96	23.12	NA
S-4	01/08/1997	NA	NA	NA	NA	NA	NA	NA	34.08	9.37	24.71	NA
S-4	04/17/1997	NA	NA	NA	NA	NA	NA	NA	34.08	10.25	23.83	NA
S-4	07/01/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	34.08	10.60	23.48	NA
S-4	10/07/1997	NA	NA	NA	NA	NA	NA	NA	34.08	10.52	23.56	NA
S-4	01/07/1998	NA	NA	NA	NA	NA	NA	NA	34.08	9.79	24.29	NA
S-4	04/02/1998	NA	NA	NA	NA	NA	NA	NA	34.08	9.56	24.52	NA
S-4	07/02/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	34.08	10.51	23.57	NA
S-4	10/01/1998	NA	NA	NA	NA	NA	NA	NA	34.08	11.01	23.07	NA
S-4	01/12/1999	NA	NA	NA	NA	NA	NA	NA	34.08	10.53	23.55	NA
S-4	04/19/1999	NA	NA	NA	NA	NA	NA	NA	34.08	9.73	24.35	NA
S-4	07/09/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	34.08	10.48	23.60	NA
S-4	10/06/1999	NA	NA	NA	NA	NA	NA	NA	34.08	10.67	23.41	NA
S-4	03/07/2000	NA	NA	NA	NA	NA	NA	NA	34.08	8.99	25.09	NA
S-4	06/01/2000	NA	NA	NA	NA	NA	NA	NA	34.08	10.31	23.77	NA

WELL CONCENTRATIONS
Former Shell Service Station
2800 Telegraph Avenue
Oakland, CA
Wic #204-5508-2303

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOB (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
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S-4	09/08/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	34.08	10.77	23.31	NA
S-4	11/29/2000	NA	NA	NA	NA	NA	NA	NA	34.08	10.97	23.11	NA
S-4	03/09/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	34.08	8.21	25.87	NA

S-5	05/04/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	33.42	10.27	23.15	NA
S-5	08/10/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	33.42	10.68	22.74	NA
S-5	11/09/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	33.42	10.69	22.73	NA
S-5	02/23/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	33.42	9.45	23.97	NA
S-5	06/07/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	33.42	10.23	23.19	NA
S-5	08/13/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	33.42	10.58	22.84	NA
S-5	11/18/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	33.42	10.70	22.72	NA
S-5	02/10/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	33.42	9.75	23.67	NA
S-5	05/03/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	33.42	10.19	23.23	NA
S-5	08/01/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	33.42	10.30	23.12	NA
S-5	11/08/1994	NA	NA	NA	NA	NA	NA	NA	33.42	9.64	23.78	NA
S-5	02/03/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	33.42	9.59	23.83	NA
S-5	08/02/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	33.42	10.23	23.90	NA
S-5	02/02/1996	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	33.42	9.51	23.91	NA
S-5	05/04/1996	NA	NA	NA	NA	NA	NA	NA	33.42	10.15	23.27	NA
S-5	08/02/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	33.42	10.30	23.12	NA
S-5	10/02/1996	NA	NA	NA	NA	NA	NA	NA	33.42	10.54	22.88	NA
S-5	01/08/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	33.42	9.56	23.86	NA
S-5	04/17/1997	NA	NA	NA	NA	NA	NA	NA	33.42	10.03	23.39	NA
S-5	07/01/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	33.42	10.23	23.19	NA
S-5	10/07/1997	NA	NA	NA	NA	NA	NA	NA	33.42	10.25	23.17	NA
S-5	01/07/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	33.42	9.83	23.59	NA

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S-5	04/02/1998	NA	NA	NA	NA	NA	NA	NA	33.42	9.73	23.69	NA
S-5	07/02/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	33.42	10.04	23.38	NA
S-5	10/01/1998	NA	NA	NA	NA	NA	NA	NA	33.42	10.91	22.51	NA
S-5	01/12/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	NA	33.42	9.80	23.62	NA
S-5	04/19/1999	NA	NA	NA	NA	NA	NA	NA	33.42	9.09	24.33	NA
S-5	07/09/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	33.42	10.05	23.37	NA
S-5	10/06/1999	NA	NA	NA	NA	NA	NA	NA	33.42	10.30	23.12	NA
S-5	03/07/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	33.42	9.11	24.31	NA
S-5	06/01/2000	NA	NA	NA	NA	NA	NA	NA	33.42	10.11	23.31	NA
S-5	09/08/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	33.42	10.37	23.05	NA
S-5	11/29/2000	NA	NA	NA	NA	NA	NA	NA	33.42	10.56	22.86	NA
S-5	03/09/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	33.42	7.93	25.49	NA

S-6	05/04/1992	3100	640	22	23	97	NA	NA	32.59	9.42	23.17	NA
S-6	08/10/1992	3400	430	27	26	120	NA	NA	32.59	10.40	22.19	NA
S-6	11/09/1992	2000	320	15	15	100	NA	NA	32.59	10.16	22.43	NA
S-6	02/23/1993	14000	780	180	380	1300	NA	NA	32.59	7.60	24.99	NA
S-6	06/07/1993	3900	1400	56	83	210	NA	NA	32.59	8.90	23.69	NA
S-6	08/13/1993	4000a	890	16	<0.5	41	NA	NA	32.59	9.39	23.20	NA
S-6	11/18/1993	80	5.0	<0.5	<0.5	<0.5	NA	NA	32.59	10.32	22.27	NA
S-6	02/10/1994	4100	370	23	21	90	NA	NA	32.59	8.68	23.91	NA
S-6	05/03/1994	4700	550	28	85	340	NA	NA	32.59	9.20	23.39	NA
S-6	08/01/1994	2900	370	11	11	43	NA	NA	32.59	8.90	23.69	NA
S-6	11/08/1994	NA	NA	NA	NA	NA	NA	NA	32.59	8.32	23.69	NA
S-6	02/03/1995	NA	NA	NA	NA	NA	NA	NA	32.59	8.04	23.69	NA
S-6	08/02/1995	1400	160	<5	<5	<5	NA	NA	32.59	9.26	23.19	NA

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S-6	02/02/1996	NA	NA	NA	NA	NA	NA	NA	32.59	7.90	24.69	NA
S-6	05/04/1996	NA	NA	NA	NA	NA	NA	NA	32.59	8.98	23.61	NA
S-6	08/02/1996	1600	150	9.2	13	23	17	NA	32.59	9.34	23.25	NA
S-6	10/02/1996	NA	NA	NA	NA	NA	NA	NA	32.59	9.96	22.63	NA
S-6	01/08/1997	NA	NA	NA	NA	NA	NA	NA	32.59	7.38	25.21	NA
S-6	04/17/1997	NA	NA	NA	NA	NA	NA	NA	32.59	9.16	23.43	NA
S-6	07/01/1997	<50	1.5	<0.50	<0.50	<0.50	<2.5	NA	32.59	9.60	22.99	NA
S-6	10/07/1997	NA	NA	NA	NA	NA	NA	NA	32.59	9.64	22.95	NA
S-6	01/07/1998	NA	NA	NA	NA	NA	NA	NA	32.59	8.34	24.25	NA
S-6	04/02/1998	NA	NA	NA	NA	NA	NA	NA	32.59	7.93	24.66	NA
S-6	07/02/1998	370	22	0.62	<0.50	<0.50	5.60	NA	32.59	9.85	22.74	NA
S-6	10/01/1998	NA	NA	NA	NA	NA	NA	NA	32.59	10.48	22.11	NA
S-6	01/12/1999	NA	NA	NA	NA	NA	NA	NA	32.59	9.63	22.96	NA
S-6	04/19/1999	NA	NA	NA	NA	NA	NA	NA	32.59	9.08	23.51	NA
S-6	07/09/1999	52	2.3	<0.50	<0.50	<0.50	<2.5	NA	32.59	9.33	23.26	NA
S-6	10/06/1999	NA	NA	NA	NA	NA	NA	NA	32.59	9.80	22.79	NA
S-6	03/07/2000	NA	NA	NA	NA	NA	NA	NA	32.59	7.05	25.54	NA
S-6	06/01/2000	NA	NA	NA	NA	NA	NA	NA	32.59	9.05	23.54	NA
S-6	09/08/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	32.59	9.65	22.94	NA
S-6	11/29/2000	NA	NA	NA	NA	NA	NA	NA	32.59	9.51	23.08	NA
S-6	03/09/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	32.59	7.14	25.45	NA

S-6 (D)	08/01/1994	2600	340	8.8	7.7	33	NA	NA	32.59	NA	NA	NA
S-6 (D)	08/02/1995	1400	170	<5	<5	<5	NA	NA	32.59	NA	NA	NA

S-7	05/04/1992	180	1.6	<0.5	1.5	3.0	NA	NA	33.33	11.21	22.12	NA
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S-7	08/10/1992	190	8.0	1.4	4.7	8.5	NA	NA	33.33	12.28	21.05	NA
S-7	11/09/1992	280	16	4.0	7.8	21	NA	NA	33.33	11.77	21.56	NA
S-7	02/23/1993	210	13	2.2	5.4	12	NA	NA	33.33	8.86	24.47	NA
S-7	06/07/1993	90	1.2	2.5	1.0	<0.5	NA	NA	33.33	10.58	22.75	NA
S-7	08/13/1993	140	4.0	0.8	<0.5	0.5	NA	NA	33.33	11.34	21.99	NA
S-7	11/18/1993	440	43	4.9	0.9	4.2	NA	NA	33.33	12.00	21.33	NA
S-7	02/10/1994	250a	<0.5	<0.5	1.8	<0.5	NA	NA	33.33	9.88	23.45	NA
S-7	05/03/1994	130	<0.5	<0.5	<0.5	<0.5	NA	NA	33.33	10.75	22.58	NA
S-7	08/01/1994	250	4.8	<0.5	<0.5	<0.5	NA	NA	33.33	11.05	22.28	NA
S-7	11/08/1994	NA	NA	NA	NA	NA	NA	NA	33.33	9.64	23.69	NA
S-7	02/03/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	33.33	8.53	24.80	NA
S-7	08/02/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	33.33	11.10	22.23	NA
S-7	02/02/1996	480	2.2	2.4	7.9	25	NA	NA	33.33	8.58	24.75	NA
S-7	05/04/1996	NA	NA	NA	NA	NA	NA	NA	33.33	10.41	22.92	NA
S-7	08/02/1996	300	20	2.2	3.8	7.9	21	11	33.33	11.18	22.15	NA
S-7	10/02/1996	NA	NA	NA	NA	NA	NA	NA	33.33	12.12	21.21	NA
S-7	01/08/1997	850	16	6.3	20	59	<25	NA	33.33	8.23	25.10	NA
S-7	04/17/1997	NA	NA	NA	NA	NA	NA	NA	33.33	10.75	22.58	NA
S-7	07/01/1997	120	2.4	<0.50	2.9	2.6	3.5	NA	33.33	11.40	21.93	NA
S-7	10/07/1997	NA	NA	NA	NA	NA	NA	NA	33.33	11.50	21.83	NA
S-7	04/19/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	33.33	9.39	23.94	NA
S-7	07/09/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	33.33	11.15	22.18	NA
S-7	10/06/1999	216	5.04	<0.500	2.23	4.82	<5.00	NA	33.33	11.65	21.68	NA
S-7	NA	Well abandoned		NA	NA	NA	NA	NA	NA	NA	NA	NA
S-7 (D)	08/02/1996	340	22	2.2	4.4	8.9	20	NA	33.33	NA	NA	NA

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S-7 (D)	01/08/1997	840	15	<5.0	21	63	25	NA	33.33	NA	NA	NA
S-7 (D)	07/01/1997	120	2.4	<0.50	2.9	2.6	<2.5	NA	33.33	NA	NA	NA

S-8	05/04/1992	1600	20	420	96	330	NA	NA	31.97	10.29	21.68	NA
S-8	08/10/1992	1500	19	37	60	250	NA	NA	31.97	11.12	20.85	NA
S-8	11/09/1992	710	5.7	24	28	120	NA	NA	31.97	10.71	21.26	NA
S-8	02/23/1993	3800	40	54	68	260	NA	NA	31.97	6.04	25.93	NA
S-8	06/07/1993	1200	13	19	65	150	NA	NA	31.97	10.06	21.91	NA
S-8	08/13/1993	1300	21	23	49	250	NA	NA	31.97	10.56	21.41	NA
S-8	11/18/1993	870	16	5.3	59	230	NA	NA	31.97	10.90	21.07	NA
S-8	02/10/1994	2400	11	55	120	530	NA	NA	31.97	9.53	22.44	NA
S-8	05/03/1994	3100	12	27	130	370	NA	NA	31.97	10.06	21.91	NA
S-8	08/01/1994	1500	20	18	39	190	NA	NA	31.97	10.32	21.65	NA
S-8	11/08/1994	2100	22	38	73	390	NA	NA	31.97	9.25	22.72	NA
S-8	02/03/1995	4800	67	39	130	300	NA	NA	31.97	8.99	22.98	NA
S-8	05/04/1995	2600	31	23	71	310	NA	NA	31.97	9.22	22.75	NA
S-8	08/02/1995	1700	10	9.1	48	210	NA	NA	31.97	10.36	21.61	NA
S-8	11/02/1995	1200	16	13	72	130	NA	NA	31.97	10.72	21.25	NA
S-8	02/02/1996	7100	29	140	360	1300	NA	NA	31.97	8.92	23.05	NA
S-8	05/04/1996	3500	13	27	110	400	<25	NA	31.97	9.86	22.11	NA
S-8	08/02/1996	850	9.6	7.4	30	160	11	NA	31.97	10.30	21.67	NA
S-8	10/02/1996	980	<5.0	11	13	92	<25	NA	31.97	10.71	21.26	NA
S-8	01/08/1997	6400	88	48	190	500	<100	NA	31.97	8.88	23.09	NA
S-8	04/17/1997	1700	23	7.4	34	50	74	NA	31.97	10.00	21.97	NA
S-8	07/01/1997	140	2.8	<0.50	<0.50	0.58	<2.5	NA	31.97	10.40	21.57	NA
S-8	10/07/1997	300	2.7	0.63	4.6	8.4	<2.5	NA	31.97	10.50	21.47	NA

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S-8	01/07/1998	110	1.2	<0.50	<0.50	1.6	<2.5	NA	31.97	9.27	22.70	NA
S-8	04/02/1998	4500	140	77	140	380	<12	NA	31.97	9.31	22.66	NA
S-8	07/02/1998	330	4.2	0.79	1.7	2.3	4.8	NA	31.97	9.48	22.49	NA
S-8	10/01/1998	52	0.76	<0.50	<0.50	0.70	<2.5	NA	31.97	10.08	21.89	NA
S-8	01/12/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	NA	31.97	10.50	21.47	NA
S-8	04/19/1999	3360	29.6	24.6	137	398	<100	NA	31.97	9.45	22.52	NA
S-8	07/09/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	31.97	10.25	21.72	NA
S-8	10/06/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	31.97	10.70	21.27	NA
S-8	03/07/2000	16500	461	397	665	1240	229	NA	31.97	8.45	23.52	NA
S-8	06/01/2000	317	4.05	0.943	0.595	1.08	29.9	NA	31.97	10.03	21.94	NA
S-8	09/08/2000	330	2.14	1.45	7.21	16.5	39.9	<1.00b	31.97	10.58	21.39	NA
S-8	11/29/2000	188	2.70	<0.500	2.43	1.44	7.27	<1.00b	31.97	10.25	21.72	NA
S-8	03/09/2001	4110	80.1	23.0	90.6	95.0	70.4	NA	31.97	8.99	22.98	NA

S-8 (D)	02/10/1994	2400	11	46	100	440	NA	NA	31.97	NA	NA	NA
S-8 (D)	05/03/1994	3000	21	25	120	340	NA	NA	31.97	NA	NA	NA
S-8 (D)	11/08/1994	2100	20	31	75	390	NA	NA	31.97	NA	NA	NA
S-8 (D)	02/03/1995	3700	53	30	100	240	NA	NA	31.97	NA	NA	NA
S-8 (D)	05/04/1995	3300	38	26	89	390	NA	NA	31.97	NA	NA	NA
S-8 (D)	08/02/1995	1200	15	13	70	120	NA	NA	31.97	NA	NA	NA
S-8 (D)	02/02/1996	7800	33	160	400	1500	NA	NA	31.97	NA	NA	NA
S-8 (D)	05/04/1996	5100	19	37	190	690	<25	NA	31.97	NA	NA	NA
S-8 (D)	10/02/1996	1300	<5.0	10	28	180	<25	NA	31.97	NA	NA	NA
S-8 (D)	04/17/1997	1600	25	7.4	30	43	34	NA	31.97	NA	NA	NA
S-8 (D)	01/07/1998	150	1.8	0.6	<0.50	2.2	<2.5	NA	31.97	NA	NA	NA
S-8 (D)	07/02/1998	360	4.3	0.89	1.7	2.3	5.7	NA	31.97	NA	NA	NA

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S-9	05/04/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	31.86	10.45	21.41	NA
S-9	08/10/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	31.86	11.52	20.34	NA
S-9	11/09/1992	<50	<0.5	<0.5	<0.5	0.7	NA	NA	31.86	11.02	20.84	NA
S-9	02/23/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	31.86	8.00	23.86	NA
S-9	06/07/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	31.86	10.07	21.79	NA
S-9	08/13/1993	140	<0.5	<0.5	<0.5	<0.5	NA	NA	31.86	10.92	20.94	NA
S-9	11/18/1993	170	<0.5	<0.5	<0.5	<0.5	NA	NA	31.86	11.19	20.67	NA
S-9	02/10/1994	140	<0.5	<0.5	<0.5	<0.5	NA	NA	31.86	9.16	22.70	NA
S-9	05/03/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	31.86	10.03	21.83	NA
S-9	08/01/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	31.86	10.52	21.34	NA
S-9	11/08/1994	NA	NA	NA	NA	NA	NA	NA	31.86	9.08	22.78	NA
S-9	02/03/1995	NA	NA	NA	NA	NA	NA	NA	31.86	8.37	23.49	NA
S-9	08/02/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	31.86	9.35	22.51	NA
S-9	02/02/1996	NA	NA	NA	NA	NA	NA	NA	31.86	7.53	24.33	NA
S-9	05/04/1996	NA	NA	NA	NA	NA	NA	NA	31.86	9.60	22.26	NA
S-9	08/02/1996	<50	<0.50	<0.50	<0.50	<0.50	12	NA	31.86	10.46	21.40	NA
S-9	10/02/1996	NA	NA	NA	NA	NA	NA	NA	31.86	10.66	21.20	NA
S-9	01/08/1997	NA	NA	NA	NA	NA	NA	NA	31.86	7.20	24.66	NA
S-9	04/17/1997	NA	NA	NA	NA	NA	NA	NA	31.86	9.96	21.90	NA
S-9	07/01/1997	<50	<0.50	<0.50	<0.50	<0.50	3.9	NA	31.86	10.64	21.22	NA
S-9	10/07/1997	NA	NA	NA	NA	NA	NA	NA	31.86	10.63	21.23	NA
S-9	04/19/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	31.86	8.69	23.17	NA
S-9	07/09/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	31.86	10.45	21.41	NA
S-9	10/06/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	31.86	10.90	20.96	NA
S-9	NA	Well abandoned		NA	NA	NA	NA	NA	NA	NA	NA	NA

WELL CONCENTRATIONS
Former Shell Service Station
2800 Telegraph Avenue
Oakland, CA
Wic #204-5508-2303

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOB (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
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S-10	05/04/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	32.95	8.54	24.41	NA
S-10	08/10/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	32.95	10.43	22.52	NA
S-10	11/09/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	32.95	9.14	23.81	NA
S-10	02/23/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	32.95	6.72	26.23	NA
S-10	06/07/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	32.95	8.08	24.87	NA
S-10	08/13/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	32.95	8.83	24.12	NA
S-10	11/18/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	32.95	9.46	23.49	NA
S-10	02/10/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	32.95	7.41	25.54	NA
S-10	05/03/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	32.95	8.16	24.79	NA
S-10	08/01/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	32.95	8.29	24.66	NA
S-10	11/08/1994	NA	NA	NA	NA	NA	NA	NA	32.95	7.02	25.93	NA
S-10	02/03/1995	NA	NA	NA	NA	NA	NA	NA	32.95	6.79	26.16	NA
S-10	08/02/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	32.95	8.30	24.65	NA
S-10	02/02/1996	NA	NA	NA	NA	NA	NA	NA	32.95	6.49	26.46	NA
S-10	05/04/1996	NA	NA	NA	NA	NA	NA	NA	32.95	7.55	25.40	NA
S-10	08/02/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	32.95	9.25	23.70	NA
S-10	10/02/1996	NA	NA	NA	NA	NA	NA	NA	32.95	10.54	22.41	NA
S-10	01/08/1997	NA	NA	NA	NA	NA	NA	NA	32.95	6.47	26.48	NA
S-10	04/17/1997	NA	NA	NA	NA	NA	NA	NA	32.95	7.78	25.17	NA
S-10	07/01/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	32.95	8.83	24.12	NA
S-10	10/07/1997	NA	NA	NA	NA	NA	NA	NA	32.95	8.89	24.06	NA
S-10	01/07/1998	NA	NA	NA	NA	NA	NA	NA	32.95	6.97	25.98	NA
S-10	04/02/1998	NA	NA	NA	NA	NA	NA	NA	32.95	6.96	25.99	NA
S-10	07/02/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	32.95	10.41	22.54	NA
S-10	10/01/1998	NA	NA	NA	NA	NA	NA	NA	32.95	11.03	21.92	NA

WELL CONCENTRATIONS
Former Shell Service Station
2800 Telegraph Avenue
Oakland, CA
Wic #204-5508-2303

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOB (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
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S-10	01/12/1999	NA	NA	NA	NA	NA	NA	NA	32.95	10.33	22.62	NA
S-10	04/19/1999	NA	NA	NA	NA	NA	NA	NA	32.95	9.72	23.23	NA
S-10	07/09/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	32.95	8.98	23.97	NA
S-10	10/06/1999	NA	NA	NA	NA	NA	NA	NA	32.95	9.15	23.80	NA
S-10	03/07/2000	NA	NA	NA	NA	NA	NA	NA	32.95	6.01	26.94	NA
S-10	06/01/2000	NA	NA	NA	NA	NA	NA	NA	32.95	8.13	24.82	NA
S-10	09/08/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	32.95	9.10	23.85	NA
S-10	11/29/2000	NA	NA	NA	NA	NA	NA	NA	32.95	9.32	23.63	NA
S-10	03/09/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	32.95	6.54	26.41	NA

S-11	05/04/1992	1500	55	32	57	190	NA	NA	30.78	9.99	20.79	NA
S-11	08/10/1992	750	29	13	43	120	NA	NA	30.78	10.92	19.86	NA
S-11	11/09/1992	4100	32	62	120	1100	NA	NA	30.78	10.44	20.34	NA
S-11	02/23/1993	760	15	13	37	140	NA	NA	30.78	7.30	23.48	NA
S-11	06/07/1993	1700	40	16	100	360	NA	NA	30.78	9.51	21.27	NA
S-11	08/13/1993	60	0.9	<0.5	0.8	1.2	NA	NA	30.78	10.39	20.39	NA
S-11	11/18/1993	150	7.8	1.0	9.0	12	NA	NA	30.78	10.64	20.14	NA
S-11	02/10/1994	4400	53	19	160	390	NA	NA	30.78	8.50	22.28	NA
S-11	05/03/1994	65	1.5	<0.5	0.53	0.59	NA	NA	30.78	9.42	21.36	NA
S-11	08/01/1994	240	18	6.7	6.9	18	NA	NA	30.78	10.12	20.66	NA
S-11	11/08/1994	490	14	5.2	15	47	NA	NA	30.78	8.84	21.94	NA
S-11	02/03/1995	380	4.1	0.9	1.4	5.1	NA	NA	30.78	7.12	23.66	NA
S-11	05/04/1995	110	1.3	<0.5	1.1	1.8	NA	NA	30.78	7.96	22.82	NA
S-11	08/02/1995	230	22	11	13	35	NA	NA	30.78	9.88	20.90	NA
S-11	11/02/1995	200	26	10	10	30	NA	NA	30.78	10.10	20.68	NA
S-11	02/02/1996	110	2.9	1.0	2.6	6.5	NA	NA	30.78	7.33	23.45	NA

WELL CONCENTRATIONS
Former Shell Service Station
2800 Telegraph Avenue
Oakland, CA
Wic #204-5508-2303

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOB (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
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S-11	05/04/1996	<50	0.70	0.54	0.82	2.6	7.5	NA	30.78	8.62	22.16	NA
S-11	08/02/1996	200	11	4.6	12	38	10	NA	30.78	9.85	20.93	NA
S-11	10/02/1996	290	20	6.2	16	48	8.4	NA	30.78	11.00	19.78	NA
S-11	01/08/1997	56	2.0	<0.50	1.0	5.8	5.2	NA	30.78	6.20	24.58	NA
S-11	04/17/1997	<50	0.88	<0.50	<0.50	<0.50	3.2	NA	30.78	8.81	21.97	NA
S-11	07/01/1997	610	50	5.9	24	110	3.1	NA	30.78	10.47	20.31	NA
S-11	10/07/1997	440	43	3.0	13	110	4.9	NA	30.78	10.32	20.46	NA
S-11	04/19/1999	<50.0	0.530	<0.500	<0.500	5.22	<5.00	NA	30.78	8.31	22.47	NA
S-11	07/09/1999	53	2.3	<0.50	<0.50	8.5	<2.5	NA	30.78	9.19	21.59	NA
S-11	10/06/1999	1210	39.1	<10.0	26.4	139	<100	NA	30.78	10.25	20.53	NA
S-11	NA	Well Abandoned		NA	NA	NA	NA	NA	NA	NA	NA	NA

S-11 (D)	06/07/1993	1600	51	16	83	300	NA	NA	30.78	NA	NA	NA
S-11 (D)	08/13/1993	70	2.1	<0.5	0.9	2.1	NA	NA	30.78	NA	NA	NA
S-11 (D)	10/07/1997	360	39	2.0	7.2	74	4.9	NA	30.78	NA	NA	NA

SR-1	05/04/1992	NA	NA	NA	NA	NA	NA	NA	NA	9.02	NA	NA
SR-1	08/10/1992	NA	NA	NA	NA	NA	NA	NA	NA	10.29	NA	NA
SR-1	11/09/1992	NA	NA	NA	NA	NA	NA	NA	NA	10.92	NA	NA
SR-1	02/22/1993	NA	NA	NA	NA	NA	NA	NA	NA	6.64	NA	NA
SR-1	06/07/1993	NA	NA	NA	NA	NA	NA	NA	NA	7.36	NA	NA
SR-1	08/13/1993	NA	NA	NA	NA	NA	NA	NA	NA	7.96	NA	NA
SR-1	11/18/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	10.02	NA	NA
SR-1	02/10/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR-1	05/03/1994	NA	NA	NA	NA	NA	NA	NA	NA	8.28	NA	NA
SR-1	08/01/1994	NA	NA	NA	NA	NA	NA	NA	NA	7.98	NA	NA

WELL CONCENTRATIONS
Former Shell Service Station
2800 Telegraph Avenue
Oakland, CA
Wic #204-5508-2303

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOB (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
SR-1	11/08/1994	NA	NA	NA	NA	NA	NA	NA	NA	7.75	NA	NA
SR-1	02/03/1995	NA	NA	NA	NA	NA	NA	NA	NA	7.20	NA	NA
SR-1	05/04/1995	NA	NA	NA	NA	NA	NA	NA	NA	4.10	NA	NA
SR-1	08/02/1995	NA	NA	NA	NA	NA	NA	NA	NA	5.31	NA	NA
SR-1	11/02/1995	NA	NA	NA	NA	NA	NA	NA	NA	10.62	NA	NA
SR-1	02/02/1996	90	6.1	6.7	2.8	8.5	NA	NA	NA	7.30	NA	NA
SR-1	05/04/1996	NA	NA	NA	NA	NA	NA	NA	NA	8.10	NA	NA
SR-1	08/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	8.10	NA	NA
SR-1	10/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	9.25	NA	NA
SR-1	01/08/1997	NA	NA	NA	NA	NA	NA	NA	NA	7.18	NA	NA
SR-1	04/17/1997	NA	NA	NA	NA	NA	NA	NA	NA	6.01	NA	NA
SR-1	07/01/1997	NA	NA	NA	NA	NA	NA	NA	NA	8.36	NA	NA
SR-1	10/07/1997	NA	NA	NA	NA	NA	NA	NA	NA	9.22	NA	NA
SR-1	01/07/1998	NA	NA	NA	NA	NA	NA	NA	NA	7.45	NA	NA
SR-1	04/02/1998	NA	NA	NA	NA	NA	NA	NA	NA	7.43	NA	NA
SR-1	07/02/1998	NA	NA	NA	NA	NA	NA	NA	NA	9.87	NA	NA
SR-1	10/01/1998	NA	NA	NA	NA	NA	NA	NA	NA	10.42	NA	NA
SR-1	01/12/1999	NA	NA	NA	NA	NA	NA	NA	NA	10.24	NA	NA
SR-1	04/19/1999	NA	NA	NA	NA	NA	NA	NA	NA	9.64	NA	NA
SR-1	07/09/1999	NA	NA	NA	NA	NA	NA	NA	NA	8.40	NA	NA
SR-1	10/06/1999	NA	NA	NA	NA	NA	NA	NA	NA	9.30	NA	NA
SR-1	03/07/2000	NA	NA	NA	NA	NA	NA	NA	NA	5.25	NA	NA
SR-1	06/01/2000	NA	NA	NA	NA	NA	NA	NA	NA	8.59	NA	NA
SR-1	09/08/2000	NA	NA	NA	NA	NA	NA	NA	NA	9.22	NA	NA
SR-1	11/29/2000	NA	NA	NA	NA	NA	NA	NA	NA	9.65	NA	NA
SR-1	03/09/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	6.78	NA	NA

WELL CONCENTRATIONS
Former Shell Service Station
2800 Telegraph Avenue
Oakland, CA
Wic #204-5508-2303

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOB (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
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SR-1 (D)	11/18/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA
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Abbreviations:

TPPH= Total petroleum hydrocarbons as gasoline by modified EPA Method 8015

BTEX = benzene, toluene, ethylbenzene, xylenes by EPA Method 8020

MTBE = methyl-tertiary-butyl ether

TOB = Top of Wellbox Elevation

SPH = Separate-Phase Hydrocarbons

GW = Groundwater

ug/L = parts per billion

msl = Mean sea level

ft = Feet

<n = Below detection limit

D = Duplicate sample

NA = Not applicable

Notes:

a = Chromatogram pattern indicated the presence of an unidentified hydrocarbon.

b = This sample analyzed outside of EPA recommended hold time.



23 March, 2001

Nick Sudano
Blaine Tech Services (Shell)
1680 Rogers Avenue
San Jose, CA 95112

RE: 2800 Telegraph Ave.
Sequoia Report: MKC0289

Enclosed are the results of analyses for samples received by the laboratory on 03/12/01 12:01. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeff Smyly
Project Manager

CA ELAP Certificate #1210





Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose CA, 95112	Project: 2800 Telegraph Ave. Project Number: 2800 Telegraph Ave. Project Manager: Nick Sudano	Reported: 03/23/01 11.39
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-1	MKC0289-01	Water	03/09/01 09:37	03/12/01 12:01
S-4	MKC0289-02	Water	03/09/01 09:57	03/12/01 12:01
S-5	MKC0289-03	Water	03/09/01 10:09	03/12/01 12:01
S-6	MKC0289-04	Water	03/09/01 09:47	03/12/01 12:01
SR-1	MKC0289-05	Water	03/09/01 09:17	03/12/01 12:01
S-10	MKC0289-06	Water	03/09/01 09:27	03/12/01 12:01
S-8	MKC0289-07	Water	03/09/01 10:20	03/12/01 12:01

Sequoia Analytical - Morgan Hill

Jeff Smyly, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





Blaine Tech Services (Shell)
1680 Rogers Avenue
San Jose CA, 95112

Project: 2800 Telegraph Ave.
Project Number: 2800 Telegraph Ave.
Project Manager: Nick Sudano

Reported:
03/23/01 11:39

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-1 (MKC0289-01) Water Sampled: 03/09/01 09:37 Received: 03/12/01 12:01									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	1C14003	03/14/01	03/14/01	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.50	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		89.9 %	70-130		"	"	"	"	
S-4 (MKC0289-02) Water Sampled: 03/09/01 09:57 Received: 03/12/01 12:01									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	1C14003	03/14/01	03/14/01	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.50	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		91.0 %	70-130		"	"	"	"	
S-5 (MKC0289-03) Water Sampled: 03/09/01 10:09 Received: 03/12/01 12:01									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	1C14003	03/14/01	03/14/01	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.50	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		92.0 %	70-130		"	"	"	"	





Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose CA, 95112	Project: 2800 Telegraph Ave Project Number: 2800 Telegraph Ave Project Manager: Nick Sudano	Reported: 03/23/01 11:39
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Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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S-6 (MKC0289-04) Water **Sampled: 03/09/01 09:47** **Received: 03/12/01 12:01**

Purgeable Hydrocarbons	ND	50.0	ug/l	1	1C14003	03/14/01	03/14/01	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.50	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		89.2 %		70-130	"	"	"	"	

SR-1 (MKC0289-05) Water **Sampled: 03/09/01 09:17** **Received: 03/12/01 12:01**

Purgeable Hydrocarbons	ND	50.0	ug/l	1	1C14003	03/14/01	03/14/01	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.50	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		90.7 %		70-130	"	"	"	"	

S-10 (MKC0289-06) Water **Sampled: 03/09/01 09:27** **Received: 03/12/01 12:01**

Purgeable Hydrocarbons	ND	50.0	ug/l	1	1C14003	03/14/01	03/14/01	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.50	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		86.3 %		70-130	"	"	"	"	





Blaine Tech Services (Shell)
1680 Rogers Avenue
San Jose CA, 95112

Project: 2800 Telegraph Ave.
Project Number: 2800 Telegraph Ave
Project Manager: Nick Sudano

Reported:
03/23/01 11:39

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-8 (MKC0289-07) Water Sampled: 03/09/01 10:20 Received: 03/12/01 12:01									
Purgeable Hydrocarbons	4110	500	ug/l	10	1C14003	03/14/01	03/14/01	DHS LUFT	P-01
Benzene	80.1	5.00	"	"	"	"	"	"	"
Toluene	23.0	5.00	"	"	"	"	"	"	"
Ethylbenzene	90.6	5.00	"	"	"	"	"	"	"
Xylenes (total)	95.0	5.00	"	"	"	"	"	"	"
Methyl tert-butyl ether	70.4	25.0	"	"	"	"	"	"	"
Surrogate: a,a,a-Trifluorotoluene		120 %		70-130	"	"	"	"	"





Blaine Tech Services (Shell)
1680 Rogers Avenue
San Jose CA, 95112

Project: 2800 Telegraph Ave.
Project Number: 2800 Telegraph Ave.
Project Manager: Nick Sudano

Reported:
03/23/01 11:39

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT - Quality Control Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1C14003 - EPA 5030B [P/T]

Blank (1C14003-BLK1)

Prepared & Analyzed: 03/14/01

Purgeable Hydrocarbons	ND	50.0	ug/l							
Benzene	ND	0.500	"							
Toluene	ND	0.500	"							
Ethylbenzene	ND	0.500	"							
Xylenes (total)	ND	0.500	"							
Methyl tert-butyl ether	ND	2.50	"							
Surrogate: <i>a,a,a</i> -Trifluorotoluene	9.56		"	10.0		95.6	70-130			

LCS (1C14003-BS1)

Prepared & Analyzed: 03/14/01

Benzene	7.90	0.500	ug/l	10.0		79.0	70-130			
Toluene	8.87	0.500	"	10.0		88.7	70-130			
Ethylbenzene	9.81	0.500	"	10.0		98.1	70-130			
Xylenes (total)	28.7	0.500	"	30.0		95.7	70-130			
Surrogate: <i>a,a,a</i> -Trifluorotoluene	9.11		"	10.0		91.1	70-130			

Matrix Spike (1C14003-MS1)

Source: MKC0247-01

Prepared & Analyzed: 03/14/01

Benzene	7.72	0.500	ug/l	10.0	ND	77.2	60-140			
Toluene	8.69	0.500	"	10.0	ND	86.9	60-140			
Ethylbenzene	9.59	0.500	"	10.0	ND	95.9	60-140			
Xylenes (total)	28.4	0.500	"	30.0	ND	94.7	60-140			
Surrogate: <i>a,a,a</i> -Trifluorotoluene	9.63		"	10.0		96.3	70-130			

Matrix Spike Dup (1C14003-MSD1)

Source: MKC0247-01

Prepared & Analyzed: 03/14/01

Benzene	7.85	0.500	ug/l	10.0	ND	78.5	60-140	1.67	25	
Toluene	8.72	0.500	"	10.0	ND	87.2	60-140	0.345	25	
Ethylbenzene	9.50	0.500	"	10.0	ND	95.0	60-140	0.943	25	
Xylenes (total)	28.1	0.500	"	30.0	ND	93.7	60-140	1.06	25	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	9.38		"	10.0		93.8	70-130			





Blaine Tech Services (Shell)
1680 Rogers Avenue
San Jose CA, 95112

Project: 2800 Telegraph Ave.
Project Number: 2800 Telegraph Ave
Project Manager: Nick Sudano

Reported:
03/23/01 11:39

Notes and Definitions

P-01 Chromatogram Pattern: Gasoline C6-C12
DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference



WELL GAUGING DATA

Project # 010309-F1 Date 3/9/01 Client EQUUM - 97093398

Site 2800 TRENKLE OAKLAND CA

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC
S-1	3					8.16	27.38	
S-4	3					8.21	30.39	
S-5	3					7.93	30.52	
S-6	3					7.14	22.17	
S-8	3					8.99	19.13	
S-10	3					6.54	24.31	
SR.1	6					6.78	34.05	

EQUIVA WELL MONITORING DATA SHEET

BTS #: 010309-F1	Site: 9709339F
Sampler: Jeremy	Date: 3/9/01
Well I.D.: 5-1	Well Diameter: 2 <u>3</u> 4 6 8 _____
Total Well Depth: 27.38	Depth to Water: 8.46
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC <u>Grade</u>	D.O. Meter (if req'd): YSI HACH

Purge Method:

- Bailer
- Disposable Bailer
- Middleburg
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other _____

Sampling Method:

- Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: _____

NO PURGE
 (Gals.) X _____ = _____ Gals.
 1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² + 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
935	63.2	6.8	554	12	—	

Did well dewater? Yes NO Gallons actually evacuated: _____

Sampling Time: 937 Sampling Date: 3/9/01

Sample I.D.: 5-1 Laboratory: Sequoia Columbia Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

EB I.D. (if applicable): @ _____ Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

EQUIVA WELL MONITORING DATA SHEET

BTS #: 010809-F1	Site: 9709339E
Sampler: Jeremy	Date: 3/9/01
Well I.D.: 5-4	Well Diameter: 2 <u>3</u> 4 6 8
Total Well Depth: 30.39	Depth to Water: 8.21
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC <u>Grade</u>	D.O. Meter (if req'd): YSI HACH

Purge Method:

- | | |
|----------------------|-----------------|
| Bailer | Waterra |
| Disposable Bailer | Peristaltic |
| Middleburg | Extraction Pump |
| Electric Submersible | Other _____ |

Sampling Method:

- Disposal
Disposable Bailer
 Extraction Port
 Dedicated Tubing

Other: _____

NO PURGE

(Gals.) X _____ = _____ Gals.

I Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
957	67.0	6.9	223	9	—	

Did well dewater? Yes NO Gallons actually evacuated: _____

Sampling Time: 957 Sampling Date: 3/9/01

Sample I.D.: 5-4 Laboratory: Sequoia Columbia Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

EB I.D. (if applicable): _____ @ _____ Time Duplicate I.D. (if applicable): _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
	O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:

EQUIVA WELL MONITORING DATA SHEET

BTS #: 010309-F1	Site: 9709389F
Sampler: JEROME	Date: 3/9/01
Well I.D.: S-5	Well Diameter: 2 <u>3</u> 4 6 8 _____
Total Well Depth: 30.52	Depth to Water: 2.93
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC <u>Grade</u>	D.O. Meter (if req'd): YSI HACH

Purge Method:

- | | |
|----------------------|-----------------|
| Bailer | Waterra |
| Disposable Bailer | Peristaltic |
| Middleburg | Extraction Pump |
| Electric Submersible | Other _____ |

Sampling Method:

- Water
Disposable Bailer
 Extraction Port
 Dedicated Tubing

Other: _____

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² + 0.163

NO PURGE
 (Gals.) X _____ = _____ Gals.
 1 Case Volume Specified Volumes Calculated Volume

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1006	63.6	6.8	663	5	—	

Did well dewater? Yes NO Gallons actually evacuated: _____

Sampling Time: 1009 Sampling Date: 3/9/01

Sample I.D.: S-5 Laboratory: Sequoia Columbia Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

EB I.D. (if applicable): @ _____ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
	O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:

EQUIVA WELL MONITORING DATA SHEET

BTS #: 010309-F1	Site: 97093398
Sampler: Jeremy	Date: 3/9/01
Well I.D.: 5-6	Well Diameter: 2 <u>3</u> 4 6 8
Total Well Depth: 22.17	Depth to Water: 7.14
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC <u>Grade</u>	D.O. Meter (if req'd): YSI HACH

Purge Method:

- Bailer
- Disposable Bailer
- Middleburg
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other _____

Sampling Method:

- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: _____

NO PURGE
 (Gals.) X _____ = _____ Gals.
 1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
945	63.3	6.5	473	6	—	

Did well dewater? Yes NO Gallons actually evacuated: _____

Sampling Time: 947 Sampling Date: 3/9/01

Sample I.D.: 5-6 Laboratory: Sequoia Columbia Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

EB I.D. (if applicable): @ _____ Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
	O.R.P. (if req'd):	mV	Post-purge:	mV

EQUIVA WELL MONITORING DATA SHEET

BTS #: 010309-F1	Site: 97043398
Sampler: JERRY	Date: 3/9/01
Well I.D.: 5-8	Well Diameter: 2 <u>3</u> 4 6 8
Total Well Depth: 19.17	Depth to Water: 8.99
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC <u>Grade</u>	D.O. Meter (if req'd): YSI HACH

Purge Method:

- | | |
|----------------------|-----------------|
| Bailer | Waterra |
| Disposable Bailer | Peristaltic |
| Middleburg | Extraction Pump |
| Electric Submersible | Other _____ |

Sampling Method:

- | |
|-------------------|
| <u>Bailer</u> |
| Disposable Bailer |
| Extraction Port |
| Dedicated Tubing |
| Other: _____ |

NO PURGE
 (Gals.) X _____ = _____ Gals.
 I Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² + 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1017	67.0	6.7	901	26	—	SLIGHT ODOR

Did well dewater? Yes NO Gallons actually evacuated: _____

Sampling Time: 1020 Sampling Date: 3/9/01

Sample I.D.: 5-8 Laboratory: Sequoia Columbia Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

EB I.D. (if applicable): @ _____ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

EQUIVA WELL MONITORING DATA SHEET

BTS #: 010309-F1	Site: 97093398
Sampler: JEREMY	Date: 3/9/01
Well I.D.: 5-10	Well Diameter: 2 <u>3</u> 4 6 8 _____
Total Well Depth: 24.31	Depth to Water: 6.54
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC <u>Grade</u>	D.O. Meter (if req'd): YSI HACH

Purge Method:

- | | |
|----------------------|-----------------|
| Bailer | Waterra |
| Disposable Bailer | Peristaltic |
| Middleburg | Extraction Pump |
| Electric Submersible | Other _____ |

Sampling Method:

- | |
|--------------------------|
| <u>Disposable Bailer</u> |
| Extraction Port |
| Dedicated Tubing |
| Other: _____ |

NO PURGE
 (Gals.) X _____ = _____ Gals.
 1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
925	63.9	7.0	230	10	~	

Did well dewater? Yes NO Gallons actually evacuated: _____

Sampling Time: 927 Sampling Date: 3/9/01

Sample I.D.: 5-10 Laboratory: Sequoia Columbia Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

EB I.D. (if applicable): @ _____ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
	O.R.P. (if req'd):	mV	Post-purge:	mV

EQUIVA WELL MONITORING DATA SHEET

BTS #: 010309-F1	Site: 9709399E
Sampler: Jeremy	Date: 3/9/01
Well I.D.: SR-1	Well Diameter: 2 4 6 8
Total Well Depth: 34.05	Depth to Water: 6.75
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC <u>Grade</u>	D.O. Meter (if req'd): YSI HACH

Purge Method:

- | | |
|----------------------|-----------------|
| Bailer | Watera |
| Disposable Bailer | Peristaltic |
| Middleburg | Extraction Pump |
| Electric Submersible | Other _____ |

Sampling Method:

- Disposable Bailer
- Extraction Port
 - Dedicated Tubing

Other: _____

NO PURGE
(Gals.) X _____ = _____ Gals.

1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.01	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² + 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
912	63.0	6.1	776	9	—	

Did well dewater? Yes NO Gallons actually evacuated: _____

Sampling Time: 912 Sampling Date: 3/9/01

Sample I.D.: SR-1 Laboratory: Sequoia Columbia Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

EB I.D. (if applicable): @ _____ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ATTACHMENT B
Well Driller's Report Forms

DEPARTMENT OF WATER RESOURCES

CENTRAL DISTRICT
3251 S STREET
SACRAMENTO, CA 95816-7017



MAY 9 2001

Ms. Shannon Couch
Cambria Environmental Technology
1144 – 65th Street, Suite B
Oakland, California 94608

Dear Ms. Couch:

In response to your request, enclosed is the well location information for the sites in the following area:

A one-half mile radius of 2800 Telegraph Avenue
Township 01 South, Range 04 West, Section 23-Q and R
Township 01 South, Range 04 West, Section 24-N
Township 01 South, Range 04 West, Sections 25 and 26

Your data request required three hours of staff time. We located 125 well drillers reports as a result of this search. The total charge to produce the copies is \$150. Your remittance should be made payable to the Department of Water Resources, General Accounting Office, Post Office Box 942836, Sacramento, California 94236-0001. Please show "**Invoice MAY 08-1**" on your remittance and return it with the enclosed copy of this letter to our Accounting Office.

If you need additional information or have any questions, please contact Anne Roth at (916) 227-7632 or fax (916) 227-7600.

Sincerely,

A handwritten signature in cursive script that reads "Robert L. Niblack".

Robert L. Niblack, Chief
Geology and Groundwater Section

Enclosures

Job #966.

City of Paris Laundry.

LOG OF WELL.

Top soil		6 feet
Sandy clay	6 to 28	"
Cement gravel	28 "	35 "
Yellow clay	35 "	43 "
Loose gravel	43 "	48 "
Yellow clay	48 "	65 "
Cement gravel	65 "	70 "
Yellow clay	70 "	120 "
Dry cement gravel	120 "	125 "
Cement gravel (wet)	125 "	150 "
Yellow clay	150 "	178 "
Cement gravel	178 "	198 "
Yellow clay	198 "	210 "
Cement gravel	210 "	240 "
Yellow clay	240 "	285 "
Cement gravel	285 "	295 "
Sand rock	295	

275 feet of 12" #14 R. H. Double casing.
 1 - 12" #14 Dbl. Starter 22' long
 18 - feet of machine perforations
 1 - 12 Shoe 1/2" x 4"
 Extra perforations 125'-150'
 178'-198'
 210'-240'

Foreman J. Carrere.
 finished April 30 - 1927.

AMERICAN CREAMERY COMPANY.
14th. & Poplar Streets.
Oakland, California.

LOG OF WELL.

Sandy soil -----		5	feet
Yellow sand -----	5 to 51	"	
Blue clay -----	51 "	63 "	
Yellow sandy clay -----	63 "	67 "	
Blue sandy clay -----	67 "	92 "	
Sand & Gravel -----	92 "	94 "	
Blue clay -----	94 "	105 "	
Blue sandy clay -----	105 "	120 "	
Blue clay & gritt -----	120 "	141 "	
Gravel, no water(made test) -----	141 "	148 "	
Yellow clay -----	148 "	167 "	
Gravel, some clay -----	167 "	168 "	
Yellow clay -----	168 "	182 "	
Water bearing gravel(perf) -----	182 "	185 "	
Clay -----	185 "	195 "	

Casing 10" No. 14 R. H. Dbl.
Total depth of well 200 feet.
Cased to 195 feet.

No. 2 well. No log.
Cased 164 feet of 10" Casing and 36' of 8" column

15/401 - 33

01-738

Job #1047. Toscani Bakery, 899 - 40th.St

LOG OF WELL

Took over well at	-----	50	feet
Sandy clay	-----	50	to 60 "
Yellow clay	-----	60	" 82 "
Cement gravel	-----	82	" 83 "
Yellow clay	-----	83	" 90 "
Sandy clay	-----	90	" 97 "
Gravel	-----	97	" 102 "
Sandy clay	-----	102	" 106 "
Clay	-----	106	" 108 "

About 54' of 10" casing put in by Hell.

108 feet of 8" No. 14 R. H. Collar Casing with
50 feet of machine perforations & Welded reband.

Foreman J. Carrere.

Well finished May 8 - 1928.

STATE OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES

State No. _____

01-746

WELL DATA

Owner _____
Address 3516 HAZEL ST. CORK HILL
Tenant _____
Address _____

State No. 15(4u) 23M
Other No. _____

Type of Well: Hydrograph Key Index Semiannual

Location: County 1 Basin _____
U.S.G.S. Quad. OAKLAND WEST Quad. No. _____

Description _____
_____ 70' S.W/4 35th St.
_____ 120' N/4 Adeline St.

MD
SB
H Base & Meridian

Reference Point description Figure

which is _____ ft. above land surface. Ground Elevation _____
below

Reference Point Elev. _____ ft. Determined from _____

Well: Use Industrial Condition _____

Casing, size _____ in., perforations No casing from 42' - 47' Depth _____ ft.

Measurements By: DWR USGS USBR County Irr. Dist. Water Dist. Cons. Dist.

Chief Aquifer: Name _____ Depth to Top Aq. _____ Depth to Bot. Aq. _____

Type of Material _____ Perm. Rating _____ Thickness _____

Gravel Packed? Yes No Depth to Top Gr. _____ Depth to Bot. Gr. _____

Supp. Aquifer _____ Depth to Top Aq. _____ Depth to Bot. Aq. _____

Driller _____

Date drilled 2/2 Log, filed D.W.P. open (1) _____ confidential (2) _____

Equipment: Pump, type D.W.P. make _____

Serial No. _____ Size of discharge pipe _____ in.

Power, Kind Elec. Make K.S.P.

H. P. 1 Motor Serial No. MS-100

Elec. Meter No. _____ Transformer No. _____

Yield _____ G.P.M. Pumping level _____ ft.

Water Analysis: Min. (1) _____ San. (2) _____ H.M. (3) _____

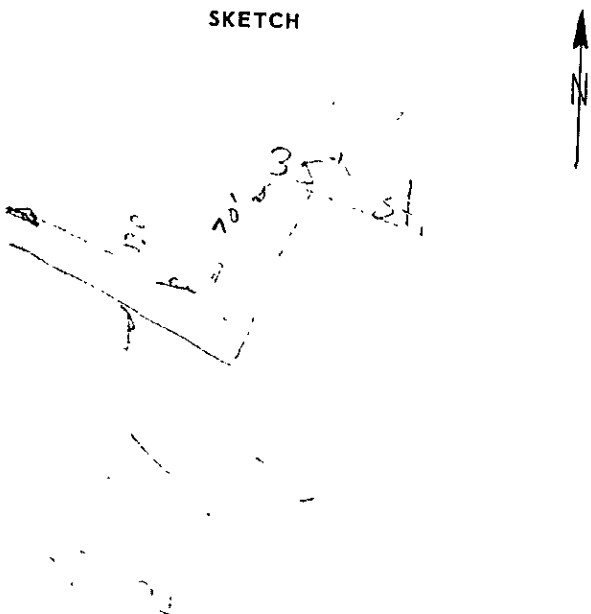
Water Levels available: Yes (1) _____ No _____

Period of Record: Begin _____ End _____

Collecting Agency: _____

Prod. Rec. (1) _____ Pump Test (2) _____ Yield (3) _____

SKETCH



REMARKS

Recorded by: _____
Date _____

13/4 11 3 M
1/1: 11 23

Job #1744. City of Paris Cleaning & Dyeing Works,
3516 - Adeline Street, Oakland.

LOG OF WELL.

Black adobe -----	3	feet.
Hard yellow clay -----	3 to 18	"
Small water gravel -----	18 "	20 "
Hard yellow sandy clay -----	20 "	34 "
Coarse water gravel -----	34 "	37 "
Hard brown sandy clay -----	37 "	38 "
Hard blue sandy clay -----	38 "	49 "
Hard yellow clay -----	49 "	80 "
Hard brown clay, some rock in it -----	80 "	97 "

From 42 feet to 97 feet open hole no casing in it.

- 42 feet 8" No. 14 R. H. Collar Casing with 10 perforated
1/8" open slot
- 30 feet 6" No. 16 R. H. Collar Casing with 12' perforated.
- Water 16 feet from top of casing.

STATE OF CALIFORNIA
THE RESOURCES AGENCY

Do Not Fill In

ORIGINAL
File with DWR

DEPARTMENT OF WATER RESOURCES

No 120171

CONFIDENTIAL LOG WATER WELL DRILLERS REPORT
Water Code Sec. 15752

State Well No. 15-FW-5-L1
Other Well No.

<p>(1) OWNER: Name <u>Pacific Gas & Electric Co.</u> Address <u>1801 Oakport St.</u> <u>Oakland</u></p> <p>(2) LOCATION OF WELL: County _____ Owner's number, if any _____ Township, Range, and Section _____ Distance from cities, roads, railroads, etc. _____ <u>Adams & Lee Sts Oakland</u></p> <p>(3) TYPE OF WORK (check): New Well <input checked="" type="checkbox"/> Deepening <input type="checkbox"/> Reconditioning <input type="checkbox"/> Destroying <input type="checkbox"/> If destruction, describe material and procedure in Item 11.</p> <p>(4) PROPOSED USE (check): Domestic <input type="checkbox"/> Industrial <input type="checkbox"/> Municipal <input type="checkbox"/> Irrigation <input type="checkbox"/> Test Well <input type="checkbox"/> Other <input type="checkbox"/> <u>Cathodic X</u></p> <p>(5) EQUIPMENT: Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Other <input type="checkbox"/></p> <p>(6) CASING INSTALLED: STEEL: _____ OTHER: _____ SINGLE <input type="checkbox"/> DOUBLE <input type="checkbox"/> _____ If gravel packed _____</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>From ft.</th> <th>To ft.</th> <th>Diam.</th> <th>Gage or Wall</th> <th>Diameter of Bore</th> <th>From ft.</th> <th>To ft.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> <p>Size of shoe or well ring: _____ Size of gravel _____ Describe joint _____</p> <p>(7) PERFORATIONS OR SCREEN: Type of perforation or name of screen _____</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>From ft.</th> <th>To ft.</th> <th>Perf. per row</th> <th>Rows per ft.</th> <th>Size in. x in.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> <p>(8) CONSTRUCTION: Was a surface sanitary seal provided? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> To what depth <u>95</u> ft. Were any strata sealed against pollution? Yes <input type="checkbox"/> No <input type="checkbox"/> If yes, note depth of strata _____ From _____ ft. to _____ ft. From _____ ft. to _____ ft. Method of sealing _____</p> <p>(9) WATER LEVELS: Depth at which water was first found, if known _____ ft. Standing level before perforating, if known _____ ft. Standing level after perforating and developing _____ ft.</p> <p>(10) WELL TESTS: Was pump test made? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, by whom? _____ Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs. Temperature of water _____ Was a chemical analysis made? Yes <input type="checkbox"/> No <input type="checkbox"/> Was electric log made of well? Yes <input type="checkbox"/> No <input type="checkbox"/> If yes, attach copy _____</p>	From ft.	To ft.	Diam.	Gage or Wall	Diameter of Bore	From ft.	To ft.																						From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.																					<p>(11) WELL LOG: Total depth <u>120</u> ft. Depth of completed well _____ ft. Formation: Describe by color, character, size of material, and structure</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>0" ft. to</td><td>3" asphalt paving</td></tr> <tr><td>3"</td><td>1' Base rock</td></tr> <tr><td>1'</td><td>12' Stiff brn clay</td></tr> <tr><td>12'</td><td>75' Combination clay, silts and sands</td></tr> <tr><td>75'</td><td>87' Blue bay mud (old)</td></tr> <tr><td>87'</td><td>120' Clays silts & sand</td></tr> </table> <div style="text-align: right; margin-top: 20px;"> <p>13145</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>TO</th> <th>INIT.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td>D.P.W.</td></tr> <tr><td> </td><td>E.M.</td></tr> <tr><td> </td><td>A.E.M.</td></tr> <tr><td> </td><td>P.&R.</td></tr> <tr><td> </td><td>C&M.</td></tr> <tr><td> </td><td>ENG.</td></tr> <tr><td> </td><td>I.A.G.</td></tr> <tr><td> </td><td>R.E.</td></tr> <tr><td> </td><td><input checked="" type="checkbox"/> W.R. 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CONFIDENTIAL LOG

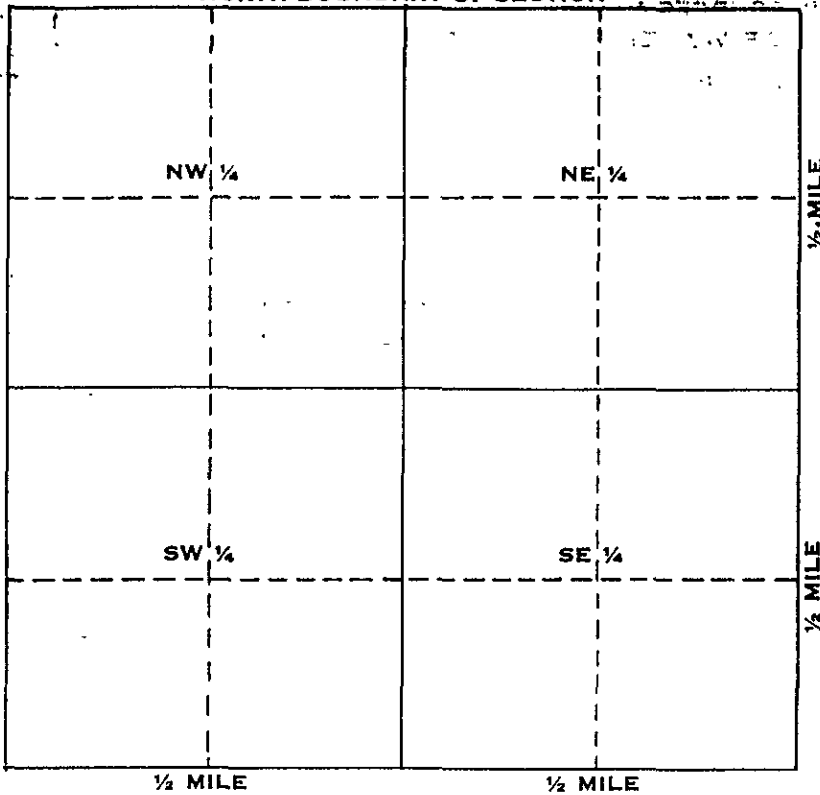
SKETCH LOCATION OF WELL ON REVERSE SIDE

WELL LOCATION SKETCH

120171

15/4W 25.2

NORTH BOUNDARY OF SECTION

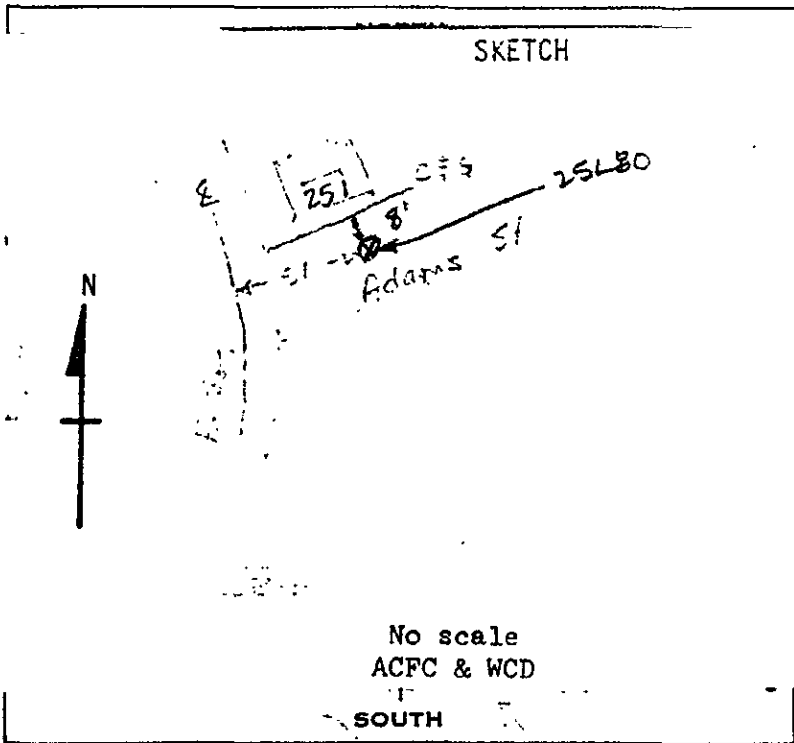


Township 7 N/S

Range 4 E/W

Section No. 25 L 80

A. Location of well in sectionized areas.
 Sketch roads, railroads, streams, or other features as necessary.



No scale
 ACFC & WCD
 SOUTH

B. Location of well in areas not sectionized.
 Sketch roads, railroads, streams, or other features as necessary.
 Indicate distances.