RO 9

Shell Oil Products US

November 4, 2003

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

Subject: **Former Shell Service Station**
2800 Telegraph Avenue
Oakland, California

Dear Mr. Hwang:

Attached for your review and comment is a copy of the *Third Quarter 2003 Groundwater Monitoring Report* for the above referenced site. Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached document is true and correct.

As always, please feel free to contact me directly at (559) 645-9306 with any questions or concerns.

Sincerely,

Shell Oil Products US

Karen Petryna

Karen Petryna
Sr. Environmental Engineer

P.O. Box 7869 Burbank, CA 91510-7869 Phone (559) 645-9306 Facsimile (559) 645-5643

RO 9

CAMBRIA

November 4, 2003

Don Hwang
Hazardous Materials Specialist
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: **Groundwater Monitoring Report – Third Quarter 2003**
Former Shell Service Station
2800 Telegraph Avenue
Oakland, California
Incident No. 97093398
Fuel Leak Case No. RO0000009

Dear Mr. Hwang:

Cambria Environmental Technology, Inc. (Cambria) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell) in accordance with the quarterly reporting requirements of 23 CCR 2652d, and as requested in the Alameda County Health Care Services (ACHCS) letter dated September 3, 2003.

THIRD QUARTER 2003 ACTIVITIES

Groundwater Monitoring: Since the site wells had not been sampled in two years, Blaine Tech Services, Inc. (Blaine) of San Jose, California developed the wells between September 16 and 19, 2003. Their field notes are included in Attachment A. On September 29 and October 3, Blaine gauged and sampled the site wells, collected depth to water measurements and compiled the analytical data. Cambria prepared a table of additional groundwater data (Table 1), an area well survey map (Figure 1), and a depth to water/chemical concentration map (Figure 2). As requested in the ACHCS letter, Figure 2 includes a rose diagram that compiles the historical groundwater flow direction for the site. The rose diagram shows the general flow direction to the south-southwest, and confirms that the groundwater flow direction has not significantly since 1989. A groundwater contour map could not be generated for the current site data since the site wells have not been surveyed in accordance with the latest state requirements. The previous survey was referenced to top of well box. The third quarter gauging data was measured from the top of well casing. Cambria is currently awaiting receipt of the survey data.

Blaine's report, presenting the laboratory reports and supporting field documents for development and sampling, is included as Appendix A.

Oakland, CA
San Ramon, CA
Sonoma, CA

Cambria Environmental Technology, Inc.

270 Perkins Street
P.O. Box 259
Sonoma, CA 95476
Tel (707) 935-4850
Fax (707) 935-6649

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ANTICIPATED FOURTH QUARTER ACTIVITIES

Groundwater Monitoring: In the September 3, 2003 correspondence, the ACHCS requested resumption of quarterly groundwater sampling at this site. Therefore, Blaine will gauge and sample the wells and Cambria will prepare a report.

Agency Response: The September 3, 2003 letter from ACHCS included a denial of closure and requested additional information be submitted. The submittal was originally due on October 31, 2003. By electronic correspondence, Cambria requested and received a one-week extension. The requisite information will be submitted by November 7, 2003.

RECOMMENDATION

Based on the results of the analyses for the five fuel oxygenates, two lead scavengers and ethanol, Cambria recommends that future monitoring events include analyses only for total petroleum hydrocarbons as gasoline, benzene, toluene, ethylbenzene, xylenes and methyl tertiary butyl ether.

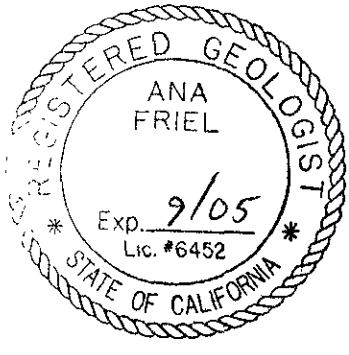
CLOSING

We appreciate the opportunity to work with you on this project. Please call Ana Friel at (707) 442-2700 if you have any questions or comments.

Sincerely,
Cambria Environmental Technology, Inc

Anne Wettstone
Staff Geologist

Ana Friel, RG
Senior Project Geologist



Attachments:

Table 1. Additional Groundwater Analytical Data

Figure 1. Area Well Survey
Figure 2. Depth to Water/Chemical Concentration Map

Appendix A. - Blaine Tech Services – Groundwater Monitoring Report

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

Table 1. Additional Groundwater Analytical Data, Former Shell Service Station, 2800 Telegraph Avenue, Oakland, California

Sample ID	Date Sampled	MTBE µg/l	DIPE µg/l	ETBE µg/l	TAME µg/l	TBA µg/l	1,2-DCA µg/l	EDB µg/l	Ethanol µg/l
S-1	29-Sep-03	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50
S-4	29-Sep-03	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50
S-5	29-Sep-03	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50
S-6	29-Sep-03	<2.5	<10	<10	<10	<25	<2.5	<2.5	<250
S-8	03-Oct-03	<2.5	<10	<10	<10	<25	<2.5	<2.5	<250
S-10	29-Sep-03	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50
SR-1	29-Sep-03	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50

Abbreviations:

MTBE = Methyl tert-butyl ether, analyzed by by EPA Method 8260

DIPE = Di-isopropyl ether, analyzed by EPA Method 8260

ETBE = Ethyl tert-butyl ether, analyzed by EPA Method 8260

TAME = Tert-amyl methyl ether, analyzed by EPA Method 8260

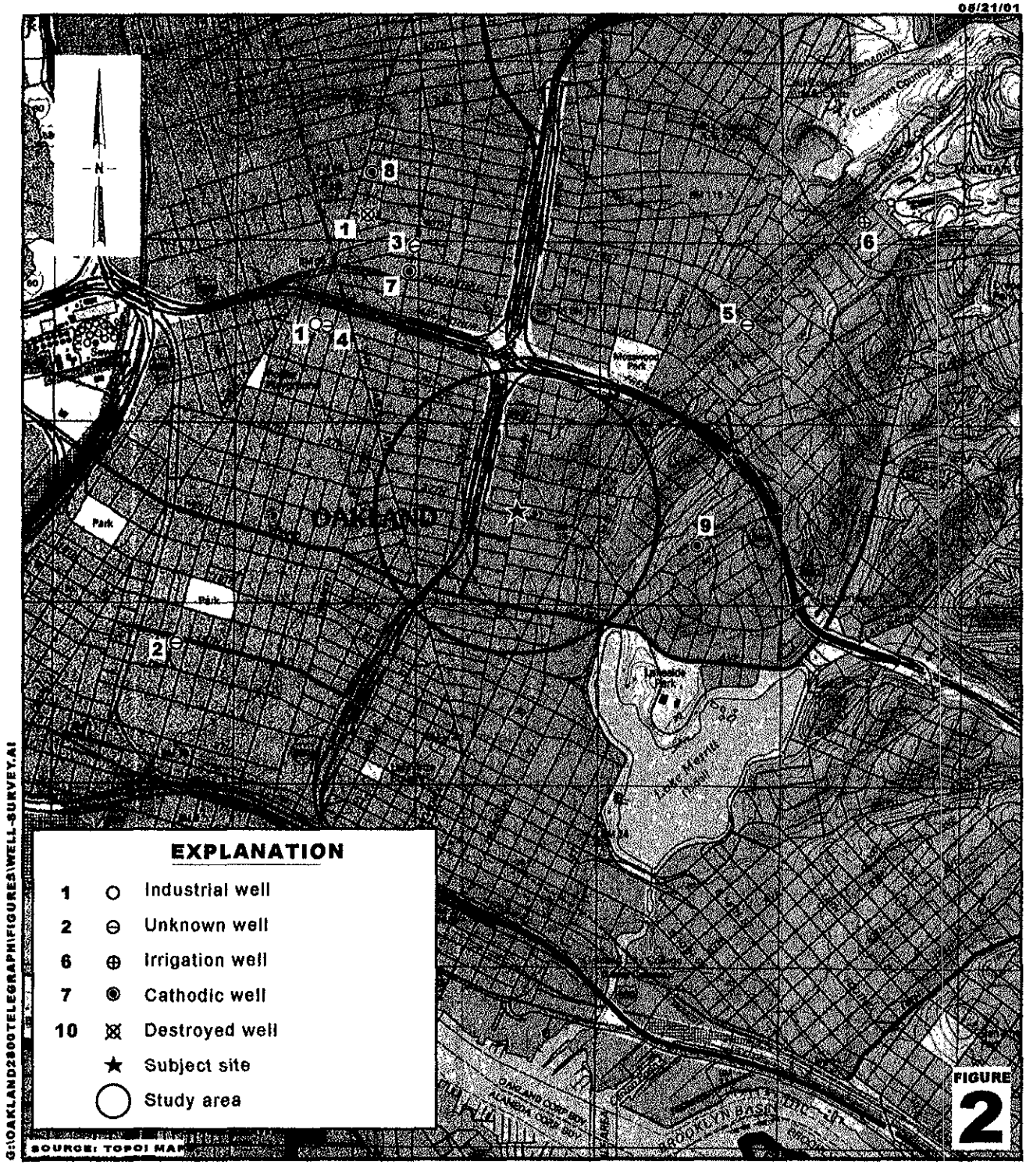
TBA = Tert-butyl alcohol, analyzed by EPA Method 8260

1,2-DCA = 1,2-dichloroethane, analyzed by EPA Method 8260

EDB = 1,2-dibromomethane or ethlyene dibromide, analyzed by EPA Method 8260

Ethanol = analyzed by EPA Method 8260

ppb = Parts per billion



Former Shell Service Station
2800 Telegraph Avenue
Oakland, California

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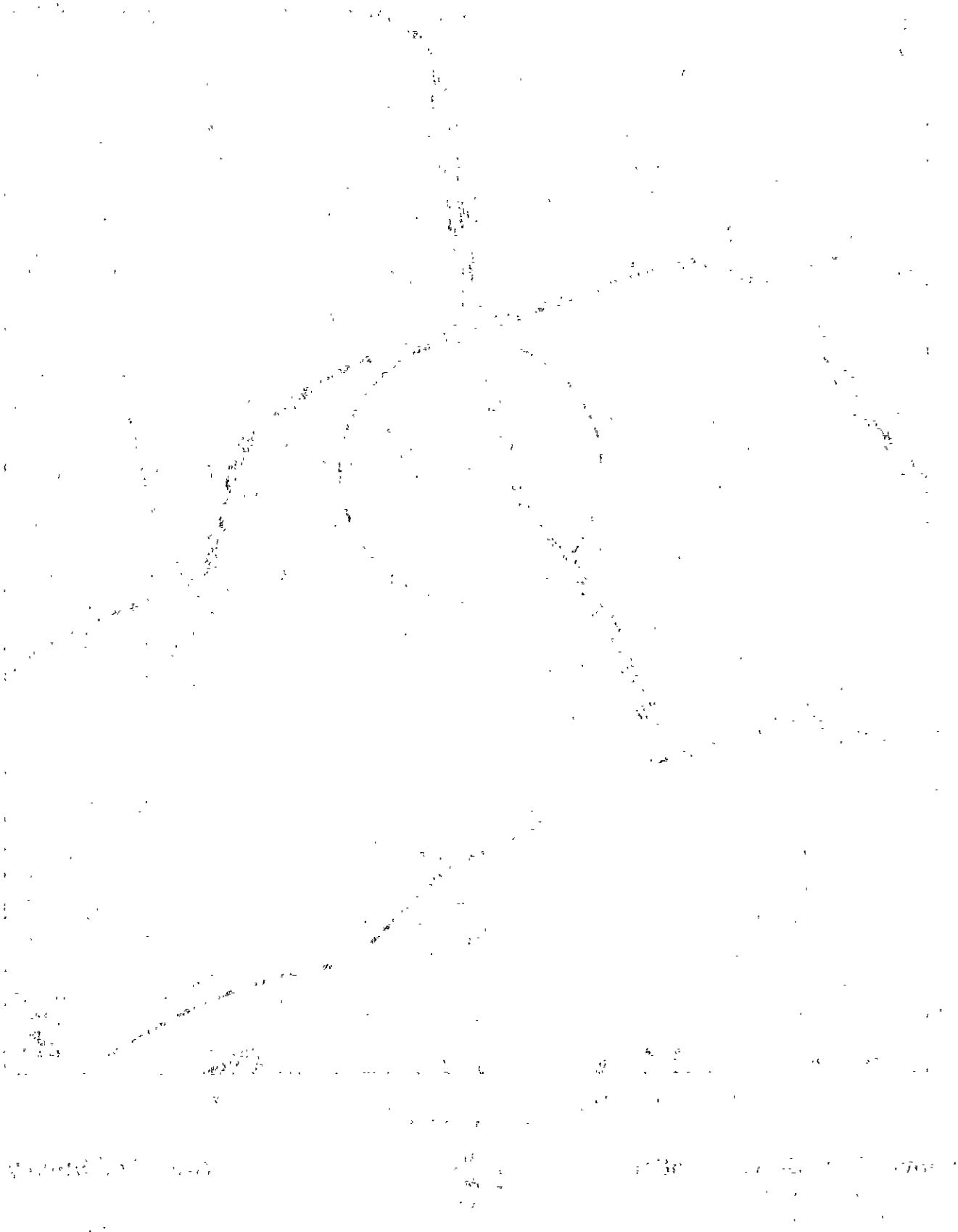
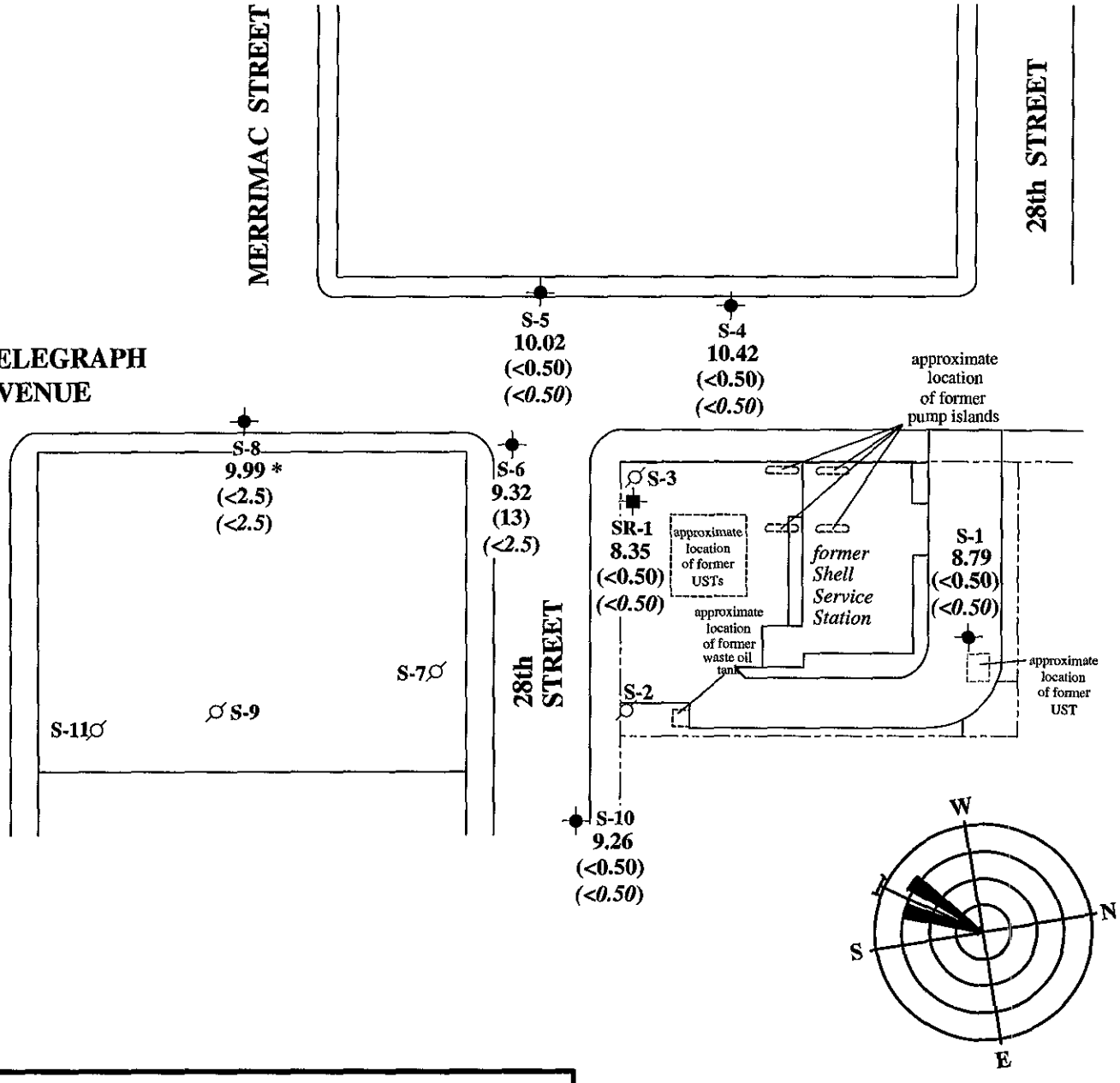
Area Well Survey

(1/2 Mile Radius)





Groundwater Flow Direction
2Q89 to 4Q00

EXPLANATION

✦	Monitoring well location
⌀	Destroyed monitoring well location
✦	Recovery well location
10.42	Depth to water in feet
(<0.50)	Benzene concentration in parts per billion (ppb)
(<0.50)	MTBE concentration in ppb
*	Depth to water and samples taken on October 3, 2003

Scale (ft)

0 30 60 120

FIGURE
2

Base map taken from Weiss Associates Site Map

1507

Former Shell Service Station
2800 Telegraph Avenue
Oakland, California

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Depth to Water/Chemical Concentration Map

September 29, 2003

APPENDIX A

Blaine Tech Services
Groundwater Monitoring Report

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

October 20, 2003

Karen Petryna
Shell Oil Products US
P.O. Box 7869
Burbank, CA 91510-7869

Third Quarter 2003 Groundwater Monitoring at
Former Shell Service Station
2800 Telegraph Avenue
Oakland, CA

Monitoring performed on September 18, 29,
and October 3, 2003

Groundwater Monitoring Report **030929-AC-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. Our activities at this site consisted of objective data and sample collection only. No interpretation of analytical results, defining of hydrological conditions or formulation of recommendations was performed.

Please call if you have any questions.

Yours truly,

Leon Gearhart
Project Coordinator

LG/jt

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

cc: Ana Friel
Cambria Environmental Technology, Inc.
P.O. Box 259
Sonoma, CA 95476-0259

WELL CONCENTRATIONS
Former Shell Service Station
2800 Telegraph Avenue
Oakland, CA

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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
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
S-1	01/12/1999	NA	NA	NA	NA	NA	NA	NA	35.31	8.45	26.86	NA

WELL CONCENTRATIONS
Former Shell Service Station
2800 Telegraph Avenue
Oakland, CA

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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
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-1	**09/18/2003**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**8.74**	**NA**	**NA**
S-1	**09/29/2003**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**<0.50**	**NA**	**8.79**	**NA**	**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

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)	TOC (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
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

WELL CONCENTRATIONS
Former Shell Service Station
2800 Telegraph Avenue
Oakland, CA

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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
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-4	**09/18/2003**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**10.23**	**NA**	**NA**
S-4	**09/29/2003**	**<50**	**<0.50**	**<0.50**	**1.9**	**2.6**	**NA**	**<0.50**	**NA**	**10.42**	**NA**	**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

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S-5	01/07/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	33.42	9.83	23.59	NA
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-5	**09/18/2003**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**9.87**	**NA**	**NA**
S-5	**09/29/2003**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**<0.50**	**NA**	**10.02**	**NA**	**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

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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
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	**09/18/2003**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**9.14**	**NA**	**NA**
S-6	**09/29/2003**	**1700**	**13**	**4.6**	**<2.5**	**5.8**	**NA**	**<2.5**	**NA**	**9.32**	**NA**	**NA**
S-6 (D)	08/01/1994	2600	340	8.8	7.7	33	NA	NA	32.59	NA	NA	NA

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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
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

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S-7 (D)	08/02/1996	340	22	2.2	4.4	8.9	20	NA	33.33	NA	NA	NA
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

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S-8	10/07/1997	300	2.7	0.63	4.6	8.4	<2.5	NA	31.97	10.50	21.47	NA
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	09/12/2001	NA	NA	NA	NA	NA	NA	<0.50	31.97	10.67	21.30	NA
S-8	**09/18/2003**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**10.02**	**NA**	**NA**
S-8	**09/29/2003**	**Well inaccessible**			**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
S-8	**10/03/2003**	**1700**	**<2.5**	**8.1**	**53**	**140**	**NA**	**<2.5**	**NA**	**9.99**	**NA**	**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

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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
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

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Oakland, CA

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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
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
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

WELL CONCENTRATIONS
Former Shell Service Station
2800 Telegraph Avenue
Oakland, CA

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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
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
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-10	**09/18/2003**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**9.13**	**NA**	**NA**
S-10	***09/29/2003***	***<50***	***<0.50***	***<0.50***	***<0.50***	***<1.0***	**NA**	***<0.50***	**NA**	**9.26**	**NA**	**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

WELL CONCENTRATIONS
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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
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

WELL CONCENTRATIONS
Former Shell Service Station
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Oakland, CA

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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
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
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

WELL CONCENTRATIONS
Former Shell Service Station
2800 Telegraph Avenue
Oakland, CA

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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
SR-1	03/09/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	6.78	NA	NA
SR-1	09/12/2001	NA	NA	NA	NA	NA	NA	<0.50	NA	9.23	NA	NA
SR-1	**09/18/2003**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**8.02**	**NA**	**NA**
SR-1	**09/29/2003**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**<0.50**	**NA**	**8.35**	**NA**	**NA**
SR-1 (D)	11/18/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA

Abbreviations:
TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to September 29, 2003, analyzed by EPA Method 8015.
BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to September 29, 2003, analyzed by EPA Method 8020.
MTBE = methyl-tertiary-butyl ether
TOC = Top of Casing Elevation
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.
Prior to September 18, 2003, depths to water and groundwater elevation referenced to Top of Box elevation.

SEVERN TRENT STL

Submission#: 2003-10-0232

Blaine Tech Services, Inc.

October 17, 2003

1680 Rogers Avenue
San Jose, CA 95112-1105

Attn.: Leon Gearhart

Project#: 031003-OA5
Project: 97093398
Site: 2800 Telegraph Ave., Oakland

Dear Mr.Gearhart,

Attached is our report for your samples received on 10/06/2003 13:20
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 11/20/2003 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.
You can also contact me via email. My email address is: vvancil@stl-inc.com

Sincerely,

Vincent Vancil
Project Manager

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 031003-OA5
97093398

Received: 10/06/2003 13:20

Site: 2800 Telegraph Ave., Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
S-8	10/03/2003 11:15	Water	1

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 031003-OA5
97093398

Received: 10/06/2003 13:20

Site: 2800 Telegraph Ave., Oakland

Prep(s): 5030B — Test(s): 8260FAB
Sample ID: S-6 — Lab ID#: 2003-10-0232-1
Sampled: 10/03/2003 11:15 — Extracted: 10/16/2003 10:36
Matrix: Water — QC Batch#: 2003/10/16-1A.62
Analysis Flag: e (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	1700	250	ug/L	5.00	10/16/2003 10:36	
Benzene	ND	2.5	ug/L	5.00	10/16/2003 10:36	
Toluene	8.1	2.5	ug/L	5.00	10/16/2003 10:36	
Ethylbenzene	53	2.5	ug/L	5.00	10/16/2003 10:36	
Total xylenes	140	5.0	ug/L	5.00	10/16/2003 10:36	
tert-Butyl alcohol (TBA)	ND	25	ug/L	5.00	10/16/2003 10:36	
Methyl tert-butyl ether (MTBE)	ND	2.5	ug/L	5.00	10/16/2003 10:36	
Di-isopropyl Ether (DIPE)	ND	10	ug/L	5.00	10/16/2003 10:36	
Ethyl tert-butyl ether (ETBE)	ND	10	ug/L	5.00	10/16/2003 10:36	
tert-Amyl methyl ether (TAME)	ND	10	ug/L	5.00	10/16/2003 10:36	
1,2-DCA	ND	2.5	ug/L	5.00	10/16/2003 10:36	
EDB	ND	2.5	ug/L	5.00	10/16/2003 10:36	
Ethanol	ND	250	ug/L	5.00	10/16/2003 10:36	
Surrogate(s)						
1,2-Dichloroethane-d4	119.3	76-130	%	5.00	10/16/2003 10:36	
Toluene-d8	101.8	78-115	%	5.00	10/16/2003 10:36	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

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Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 031003-OA5
97093398

Received: 10/06/2003 13:20

Site: 2800 Telegraph Ave., Oakland

[redacted]

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	10/16/2003 10:14	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	10/16/2003 10:14	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/16/2003 10:14	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	10/16/2003 10:14	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	10/16/2003 10:14	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	10/16/2003 10:14	
1,2-DCA	ND	0.5	ug/L	10/16/2003 10:14	
EDB	ND	0.5	ug/L	10/16/2003 10:14	
Benzene	ND	0.5	ug/L	10/16/2003 10:14	
Toluene	ND	0.5	ug/L	10/16/2003 10:14	
Ethylbenzene	ND	0.5	ug/L	10/16/2003 10:14	
Total xylenes	ND	1.0	ug/L	10/16/2003 10:14	
Ethanol	ND	50	ug/L	10/16/2003 10:14	
Surrogates(s)					
1,2-Dichloroethane-d4	103.6	76-130	%	10/16/2003 10:14	
Toluene-d8	95.7	78-115	%	10/16/2003 10:14	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

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Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 031003-OA5
97093398

Received: 10/06/2003 13:20

Site: 2800 Telegraph Ave., Oakland

Batch QC Report

Prep(s): 5030B — Test(s): 8260B AB

Laboratory Control Spike — Water — QC Batch # 2003/10/16-1A.62

LCS: 2003/10/16-1A.62-030 — Extracted: 10/16/2003 — Analyzed: 10/16/2003 09:30

LCSD: 2003/10/16-1A.62-052 — Extracted: 10/16/2003 — Analyzed: 10/16/2003 09:52

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	24.4	20.8	25	97.6	83.2	15.9	65-165	20		
Benzene	23.0	21.4	25	92.0	85.6	7.2	69-129	20		
Toluene	23.9	21.9	25	95.6	87.6	8.7	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	521	496	500	104.2	99.2		76-130			
Toluene-d8	514	486	500	102.8	97.2		78-115			

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

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Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 031003-OA5
97093398

Received: 10/06/2003 13:20

Site: 2800 Telegraph Ave., Oakland

Legend and Notes

Analysis Flag

o

Reporting limits were raised due to high level of analyte present in the sample.

LAB: STL

Lab Identification (if necessary):

Address:

City, State, Zip:

2003-[illegible] Chain Of Custody Record

78129

Equiva Project Manager to be Invoiced:

- [X] SCIENCE & ENGINEERING
- [ ] TECHNICAL SERVICES
- [ ] CRMT HOUSTON

Karen Petryna

INCIDENT NUMBER (S&E ONLY): 9 7 0 9 3 3 9 8

SAP or CRMT NUMBER (TS/CRMT): [redacted]

DATE: 10/03/03

PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services	LOG CODE: BTSS
SITE ADDRESS (Street and City): 2800 Telegraph Ave., Oakland	GLOBAL ID NO.: pending
ADDRESS: 1680 Rogers Avenue, San Jose, CA 95112	
EDF DELIVERABLE TO (Responsible Party or Designee): Ana Friel	PHONE NO.: 707-933-2360
E-MAIL: sonomaedf@cambria-env.com	CONSULTANT PROJECT NO.: 0S103-0AS (BTS #)
PROJECT CONTACT (Hardcopy or PDF Report to): Leon Gearhart	
TELEPHONE: 408-573-0555	FAX: 408-573-7771
E-MAIL: lgearhart@blainetech.com	SAMPLER NAME(S) (Print): Dave Allbut / Matt Pyrek
LAB USE ONLY	

TURNAROUND TIME (BUSINESS DAYS):
- [X] 10 DAYS
- [ ] 5 DAYS
- [ ] 72 HOURS
- [ ] 48 HOURS
- [ ] 24 HOURS
- [ ] LESS THAN 24 HOURS

- [ ] LA - RWQCB REPORT FORMAT
- [ ] UST AGENCY: ______

GC/MS MTBE CONFIRMATION: HIGHEST ______ HIGHEST per BORING ______ ALL ______

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NOT NEEDED [ ]

REQUESTED ANALYSIS

FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes

TEMPERATURE ON RECEIPT C°: 4.4°C

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (5) by (8260B)	Ethanol	EDB	EDC	FIELD NOTES
	S-8	10/3/03	1115	W	3	X	X			X	X	X	X	

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
David Allbut	[signature]	10/6/03	1320
[signature] 10/6/03 1700	Denise Harrington / STL-SF	10/6/03	1700

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client.

10/16/00 Revision

SEVERN TRENT STL

Submission#: 2003-10-0010

Blaine Tech Services, Inc.

October 13, 2003

1680 Rogers Avenue
San Jose, CA 95112-1105

Attn.: Leon Gearhart

Project#: 030929-AC1
Project: 97093398
Site: 2800 Telegraph Ave., Oakland

Dear Mr.Gearhart,

Attached is our report for your samples received on 09/30/2003 17:46
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 11/14/2003 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.
You can also contact me via email. My email address is: vvancil@stl-inc.com

Sincerely,

Vincent Vancil
Project Manager

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 030929-AC1
97093398

Received: 09/30/2003 17:46

Site: 2800 Telegraph Ave., Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
S-1	09/29/2003 09:35	Water	1
S-4	09/29/2003 10:50	Water	2
S-5	09/29/2003 11:05	Water	3
S-6	09/29/2003 11:35	Water	4
S-10	09/29/2003 10:30	Water	5
SR-1	09/29/2003 10:10	Water	6

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 030929-AC1
97093398

Received: 09/30/2003 17:46

Site: 2800 Telegraph Ave., Oakland

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	SX1	Lab ID:	2003-10-0010 - [illegible]
Sampled:	09/29/2003 09:3[illegible]	Extracted:	10/6/2003 22:05
Matrix:	Water	QC Batch#:	2003/10/06-02.03

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	10/06/2003 22:05	
Benzene	ND	0.50	ug/L	1.00	10/06/2003 22:05	
Toluene	ND	0.50	ug/L	1.00	10/06/2003 22:05	
Ethylbenzene	ND	0.50	ug/L	1.00	10/06/2003 22:05	
Total xylenes	ND	1.0	ug/L	1.00	10/06/2003 22:05	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	10/06/2003 22:05	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	10/06/2003 22:05	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	10/06/2003 22:05	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	10/06/2003 22:05	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	10/06/2003 22:05	
1,2-DCA	ND	0.50	ug/L	1.00	10/06/2003 22:05	
EDB	ND	0.50	ug/L	1.00	10/06/2003 22:05	
Ethanol	ND	50	ug/L	1.00	10/06/2003 22:05	
Surrogate(s)						
1,2-Dichloroethane-d4	85.5	76-130	%	1.00	10/06/2003 22:05	
Toluene-d8	102.2	78-115	%	1.00	10/06/2003 22:05	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 030929-AC1
97093398

Received: 09/30/2003 17:46

Site: 2800 Telegraph Ave., Oakland

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	S-4	Lab ID:	2003-10-0010-2
Sampled:	09/29/2003 10:50	Extracted:	10/6/2003 22:27
Matrix:	Water	QC Batch#:	2003/10/06-02.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	10/06/2003 22:27	
Benzene	ND	0.50	ug/L	1.00	10/06/2003 22:27	
Toluene	ND	0.50	ug/L	1.00	10/06/2003 22:27	
Ethylbenzene	1.9	0.50	ug/L	1.00	10/06/2003 22:27	
Total xylenes	2.6	1.0	ug/L	1.00	10/06/2003 22:27	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	10/06/2003 22:27	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	10/06/2003 22:27	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	10/06/2003 22:27	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	10/06/2003 22:27	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	10/06/2003 22:27	
1,2-DCA	ND	0.50	ug/L	1.00	10/06/2003 22:27	
EDB	ND	0.50	ug/L	1.00	10/06/2003 22:27	
Ethanol	ND	50	ug/L	1.00	10/06/2003 22:27	
Surrogate(s)						
1,2-Dichloroethane-d4	90.3	76-130	%	1.00	10/06/2003 22:27	
Toluene-d8	103.5	78-115	%	1.00	10/06/2003 22:27	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 030929-AC1
97093398

Received: 09/30/2003 17:46

Site: 2800 Telegraph Ave., Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	S1	Lab ID:	2003-10-0010-3
Sampled:	09/29/2003 11:05	Extracted:	10/6/2003 22:50
Matrix:	Water	QC Batch#:	2003/10/06-2

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	10/06/2003 22:50	
Benzene	ND	0.50	ug/L	1.00	10/06/2003 22:50	
Toluene	ND	0.50	ug/L	1.00	10/06/2003 22:50	
Ethylbenzene	ND	0.50	ug/L	1.00	10/06/2003 22:50	
Total xylenes	ND	1.0	ug/L	1.00	10/06/2003 22:50	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	10/06/2003 22:50	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	10/06/2003 22:50	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	10/06/2003 22:50	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	10/06/2003 22:50	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	10/06/2003 22:50	
1,2-DCA	ND	0.50	ug/L	1.00	10/06/2003 22:50	
EDB	ND	0.50	ug/L	1.00	10/06/2003 22:50	
Ethanol	ND	50	ug/L	1.00	10/06/2003 22:50	
Surrogate(s)						
1,2-Dichloroethane-d4	90.0	76-130	%	1.00	10/06/2003 22:50	
Toluene-d8	106.9	78-115	%	1.00	10/06/2003 22:50	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 030929-AC1
97093398

Received: 09/30/2003 17:46

Site: 2800 Telegraph Ave., Oakland

Prep(s): 5030B
Test(s): 8260FAB
Sample ID: SVE
Lab ID: 2003-10-0010-4
Sampled: 09/29/2003 11:35
Extracted: 10/7/2003 00:00
Matrix: Water
QC Batch#: 2003/10/06-02.65
Analysis Flag: o ((See Legend and Note Section))

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	1700	250	ug/L	5.00	10/07/2003	
Benzene	13	2.5	ug/L	5.00	10/07/2003	
Toluene	4.6	2.5	ug/L	5.00	10/07/2003	
Ethylbenzene	ND	2.5	ug/L	5.00	10/07/2003	
Total xylenes	5.8	5.0	ug/L	5.00	10/07/2003	
tert-Butyl alcohol (TBA)	ND	25	ug/L	5.00	10/07/2003	
Methyl tert-butyl ether (MTBE)	ND	2.5	ug/L	5.00	10/07/2003	
Di-isopropyl Ether (DIPE)	ND	10	ug/L	5.00	10/07/2003	
Ethyl tert-butyl ether (ETBE)	ND	10	ug/L	5.00	10/07/2003	
tert-Amyl methyl ether (TAME)	ND	10	ug/L	5.00	10/07/2003	
1,2-DCA	ND	2.5	ug/L	5.00	10/07/2003	
EDB	ND	2.5	ug/L	5.00	10/07/2003	
Ethanol	ND	250	ug/L	5.00	10/07/2003	
Surrogate(s)						
1,2-Dichloroethane-d4	98.3	76-130	%	5.00	10/07/2003	
Toluene-d8	101.3	78-115	%	5.00	10/07/2003	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 030929-AC1
97093398

Received: 09/30/2003 17:46

Site: *2800 Telegraph Ave., Oakland*

Prep(s):	5030B	Test(s):	8260B/AS
Sample ID:	B-10	Test #:	[illegible]
Sampled:	09/29/2003 10:30	Extracted:	[illegible]
Matrix:	Water	QC Batch#:	[illegible]

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	10/07/2003 00:22	
Benzene	ND	0.50	ug/L	1.00	10/07/2003 00:22	
Toluene	ND	0.50	ug/L	1.00	10/07/2003 00:22	
Ethylbenzene	ND	0.50	ug/L	1.00	10/07/2003 00:22	
Total xylenes	ND	1.0	ug/L	1.00	10/07/2003 00:22	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	10/07/2003 00:22	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	10/07/2003 00:22	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	10/07/2003 00:22	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	10/07/2003 00:22	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	10/07/2003 00:22	
1,2-DCA	ND	0.50	ug/L	1.00	10/07/2003 00:22	
EDB	ND	0.50	ug/L	1.00	10/07/2003 00:22	
Ethanol	ND	50	ug/L	1.00	10/07/2003 00:22	
Surrogate(s)						
1,2-Dichloroethane-d4	87.1	76-130	%	1.00	10/07/2003 00:22	
Toluene-d8	93.2	78-115	%	1.00	10/07/2003 00:22	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 030929-AC1
97093398

Received: 09/30/2003 17:46

Site: 2800 Telegraph Ave., Oakland

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	SR-1	Lab ID:	2003-10-0010 : 6
Sampled:	09/29/2003 10:10	Extracted:	10/7/2003 00:46
Matrix:	Water	QC Batch#:	2003/10/06-02.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	10/07/2003 00:46	
Benzene	ND	0.50	ug/L	1.00	10/07/2003 00:46	
Toluene	ND	0.50	ug/L	1.00	10/07/2003 00:46	
Ethylbenzene	ND	0.50	ug/L	1.00	10/07/2003 00:46	
Total xylenes	ND	1.0	ug/L	1.00	10/07/2003 00:46	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	10/07/2003 00:46	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	10/07/2003 00:46	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	10/07/2003 00:46	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	10/07/2003 00:46	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	10/07/2003 00:46	
1,2-DCA	ND	0.50	ug/L	1.00	10/07/2003 00:46	
EDB	ND	0.50	ug/L	1.00	10/07/2003 00:46	
Ethanol	ND	50	ug/L	1.00	10/07/2003 00:46	
Surrogate(s)						
1,2-Dichloroethane-d4	87.2	76-130	%	1.00	10/07/2003 00:46	
Toluene-d8	103.8	78-115	%	1.00	10/07/2003 00:46	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 030929-AC1
97093398

Received: 09/30/2003 17:46

Site: 2800 Telegraph Ave., Oakland

[redacted]

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	10/06/2003 20:57	
Benzene	ND	0.5	ug/L	10/06/2003 20:57	
Toluene	ND	0.5	ug/L	10/06/2003 20:57	
Ethylbenzene	ND	0.5	ug/L	10/06/2003 20:57	
Total xylenes	ND	1.0	ug/L	10/06/2003 20:57	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	10/06/2003 20:57	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/06/2003 20:57	
Di-Isopropyl Ether (DIPE)	ND	2.0	ug/L	10/06/2003 20:57	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	10/06/2003 20:57	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	10/06/2003 20:57	
1,2-DCA	ND	0.5	ug/L	10/06/2003 20:57	
EDB	ND	0.5	ug/L	10/06/2003 20:57	
Ethanol	ND	50	ug/L	10/06/2003 20:57	
Surrogates(s)					
1,2-Dichloroethane-d4	88.1	76-130	%	10/06/2003 20:57	
Toluene-d8	107.2	78-115	%	10/06/2003 20:57	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 030929-AC1
97093398

Received: 09/30/2003 17:46

Site: 2800 Telegraph Ave., Oakland

Batch QC Report

Prep(s): 5030B — Test(s): 8260FAB

Laboratory Control Spike — Water — QC Batch #: 2003/10/06-02.65

LCS: 2003/10/06-02.65-013 — Extracted: 10/06/2003 — Analyzed: 10/06/2003 20:13

LCSD: 2003/10/06-02.65-035 — Extracted: 10/06/2003 — Analyzed: 10/06/2003 20:35

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	28.0	28.0	25.0	112.0	112.0	0.0	69-129	20		
Toluene	28.4	27.6	25.0	113.6	110.4	2.9	70-130	20		
Methyl tert-butyl ether (MTBE)	25.6	25.1	25.0	102.4	100.4	2.0	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	489	495	500	97.8	99.0		76-130			
Toluene-d8	522	512	500	104.4	102.4		78-115			

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 030929-AC1
97093398

Received: 09/30/2003 17:46

Site: 2800 Telegraph Ave., Oakland

Report Notes

Analysis Flag

o

Reporting limits were raised due to high level of analyte present in the sample.

LAB: STL

Lab Identification (if necessary):

Address:

City, State, Zip:

SHELL Chain Of Custody Record

79370

Equiva Project Manager to be invoiced:		INCIDENT NUMBER (ES ONLY)	
☒ SCIENCE & ENGINEERING	Karen Peryna	9 7 0 9 3 3 9 8	DATE: 9/29/03
☐ TECHNICAL SERVICES		SAP or CRMT NUMBER (TS/CRMT)	
☐ CRMT HOUSTON	2003-10-0010	[redacted]	PAGE: 1 of 1

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS (Street and City):	GLOBAL ID NO.:
Blaine Tech Services	BTSS	2800 Telegraph Ave., Oakland	pending

ADDRESS: 1680 Rogers Avenue, San Jose, CA 95112

EDF DELIVERABLE TO (Responsible Party or Designee): Ana Friel | PHONE NO.: 707-833-2363 | E-MAIL: sonomaedf@cambria-env.com | CONSULTANT PROJECT NO.: BTS # 030929-AH

PROJECT CONTACT (Hardcopy or PDF Report to): Leon Gearhart

SAMPLER NAME(S) (Print): Aaron Costa

LAB USE ONLY

TELEPHONE: 408-573-0555 | FAX: 408-573-7771 | E-MAIL: lgearhart@blainetech.com

TURNAROUND TIME (BUSINESS DAYS): ☒ 10 DAYS ☐ 5 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

GC/MS MTBE CONFIRMATION: HIGHEST ____ HIGHEST per BORING ____ ALL ____

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NOT NEEDED ☐

REQUESTED ANALYSIS

FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes

8.5 °C

TEMPERATURE ON RECEIPT C°

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (5) by (8260B)	EDB	EDC	Ethanol													FIELD NOTES
	S-1	9/29	0935	W	3	X	X			X	X	X	X													
	S-4		1050		3	X	X			X	X	X	X													
	S-5		1105		3	X	X			X	X	X	X													
	S-6		1135		3	X	X			X	X	X	X													
	S-10		1030		3	X	X			X	X	X	X													
	SR-1		1010		3	X	X			X	X	X	X													

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Aaron Costa		9/30/03	16:10
Relinquished by: (Signature) 9/30/03 1746	Received by: (Signature)	Date: 9/30/03	Time: 1746
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client.

10/16/00 Revision

WELLHEAD INSPECTION CHECKLIST

lent Shell Date 10/03/03

:e Address 2800 Telegraph, oakland

b Number 031003-DA5 Technician DA/JP

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
S-8	X							

NOTES: S-8: Christy well (open to runoff)

WELLHEAD INSPECTION CHECKLIST

nt 97093398 Date 9/29/03

Address 2800 Telegraph Oakland

Number _____ Technician AC

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
S-1	X							
S-4	X							
S-5	X							
S-6	X							
S-8	Well is parked over-				unable	to	access	
S-10	X							
SR-1	X							

NOTES: _____

WELLHEAD INSPECTION CHECKLIST

nt Shell Date 9-18-03

Address 2800 Telegraph Ave Oakland

Number 030918-DW-2 Technician Dave Walter

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
S-1								X
S-4					X			
S-5				X (4")	X			
S-6	X							
S-8					X			
S-10					X			
SR-1				X (6")				

NOTES: S-1 - sitting below grade - a collection spot for debris + water

WELL GAUGING DATA

Project # 030918-DW-2 Date 9-18-03 Client Shell

Site 2800 Telegraph Ave Oakland

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.) Before Devel.	Survey Point: TOB or TOC After Devel.	
S-1	3					8.74	26.84	(28.11)	
S-4	3					10.23	29.93	(30.23)	
S-5	3					9.57	29.97	(30.13)	
S-6	3					9.14	21.43	(21.78)	
S-8	3					10.02	18.60	(18.98)	
S-10	3					9.13	23.93	(23.98)	
SR-1	6					8.02	32.85	(33.90)	

WELL DEVELOPMENT DATA SHEET

oject #: 030918-DW-2	Client: Shell
eveloper: Dave Walter	Date Developed: 9-17-03
ell I.D. S-1	Well Diameter: (circle one) 2 (3) 4 6
otal Well Depth:	Depth to Water:
efore 26.84 After 28.11	Before 8.74 After 14.85
eason not developed:	If Free Product, thickness:
dditional Notations:	

Volume Conversion Factor (VCF):	Well dia.		VCF
(12 x (d^2/4) x π) /231	2"	=	0.16
where	3"	=	0.37
12 = in / foot	4"	=	0.65
d = diameter (in.)	6"	=	1.47
π = 3.1416	10"	=	4.08
231 = in 3/gal	12"	=	6.87

6.7	X	10	=	67
1 Case Volume		Specified Volumes		gallons

rging Device: ☐ Bailer ☒ Electric Submersible ☐ Suction Pump ☒ Positive Air Displacement

Type of Installed Pump
Other equipment used 3" Surge-block

TIME	TEMP (F)	pH	Cond. (mS or (µS))	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
28	66.5	6.6	479	>200	6.7	Surge-blocked ≈ 15 min Agitated bottom w/ ME pump
38	66.2	6.7	487	>200	13.4	Brown/silty
44	65.7	7.3	510	>200	20.1	Very little draw down @ 3 CV
50	65.8	7.0	501	>200	26.8	Hard bottom
55	66.5	6.6	506	>200	33.5	Switched to ES pump
57	66.9	6.5	494	>200	40.2	
58	66.8	6.5	496	>200	46.9	
59	66.3	6.5	494	>200	53.6	Still brown
01	66.7	6.6	496	>200	60.3	
03	66.5	6.6	502	>200	67.0	Lt. brown/Hard bottom

l Well Dewater? NO	If yes, note above.	Gallons Actually Evacuated:	67

WELL DEVELOPMENT DATA SHEET

Project #: 030918-DW-2	Client: Shell
Developer: Dave Walter	Date Developed: 9-18-03
Well I.D. S-4	Well Diameter: (circle one) 2 (3) 4 6 __
Total Well Depth: Before 29.93 After 30.23	Depth to Water: Before 10.23 After 22.65
Reason not developed:	If Free Product, thickness:
Additional Notations:	

Volume Conversion Factor (VCF):
{12 x (d²/4) x π} /231
where
12 = in / foot
d = diameter (in.)
π = 3.1416
231 = in 3/gal

Well dia.		VCF
2"	=	0.16
3"	=	0.37
4"	=	0.65
6"	=	1.47
10"	=	4.08
12"	=	6.87

7.3	X	10	=	73
1 Case Volume		Specified Volumes	=	gallons

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☐ Electric Submersible
- ☒ Positive Air Displacement

Type of Installed Pump ______________

Other equipment used 3" surge block

TIME	TEMP (F)	pH	Cond. (mS or (µS))	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
12:10	73.8	6.5	431	>200	7.3	~~Ag[illegible]~~ Surge blocked ≈15 min (Agitated bottom w/air pump)
12:20	72.5	6.5	445	>200	14.6	Brown / silty
12:23	70.9	6.6	447	>200	21.9	Hard bottom. Lighter brown
12:30	70.6	6.5	449	>200	29.2	water level down ≈50% after
12:37	70.4	6.6	451	>200	36.5	3 case volumes. Recharges quickly when pump stops (using air pump)
12:44	70.5	6.6	454	>200	43.8	slowed pump down a little
12:53	70.6	6.6	455	>200	51.1	Getting lighter brown / very little silt
13:02	71.0	6.6	455	158	58.4	
13:11	70.8	6.6	456	63	65.7	cloudy
13:20	70.4	6.6	454	86	73.0	Hard bottom

Did Well Dewater? no	If yes, note above.	Gallons Actually Evacuated:	73

WELL DEVELOPMENT DATA SHEET

roject #: 030918-DW-2	Client: Shell
eveloper: Dave Walter	Date Developed: 9-18-03
'ell I.D. S-5	Well Diameter: (circle one) 2 (3) 4 6
otal Well Depth: Before 29.97 After 30.13	Depth to Water: Before 9.87 After 17.85
eason not developed:	If Free Product, thickness:
dditional Notations:	

Volume Conversion Factor (VCF):
$\{12 \times (d^2/4) \times \pi\} / 231$
where
12 = in / foot
d = diameter (in.)
π = 3.1416
231 = in 3/gal

Well dia.		VCF
2"	=	0.16
3"	=	0.37
4"	=	0.65
6"	=	1.47
10"	=	4.08
12"	=	5.87

7.4 (1 Case Volume) x 10 (Specified Volumes) = 74 gallons

rging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☒ Electric Submersible
- ☒ Positive Air Displacement

Type of Installed Pump ______

Other equipment used 3" surge block

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
13:57	72.4	6.6	262	>200	7.5	Surge-blocked ≈ 15 min, [illegible] bottom w/ AD pump
14:06	71.7	6.6	285	>200	15.0	Dk chocolate color. Heavy silt
14:15	71.6	6.6	311	>200	22.5	Hard bottom. Lt brown low silt
14:19	72.9	6.6	316	>200	30.0	Switched to ES pump. DTW=12'
14:21	72.6	6.6	297	>200	37.5	Murky Brown color
14:22	72.2	6.6	320	>200	45.0	
14:24	72.3	6.6	355	>200	52.5	
14:26	71.2	6.6	386	>200	60.0	Darker brown, Getting more silt
14:28	70.9	6.6	382	>200	67.5	
14:30	70.7	6.6	381	>200	74.0	lt odor, Hard bottom

Well Dewater? no	If yes, note above.	Gallons Actually Evacuated:	74

WELL DEVELOPMENT DATA SHEET

oject #: 030918-DW-2	Client: Shell
eveloper: Dave Walker	Date Developed: 9-19-03
ell I.D. S-6	Well Diameter: (circle one) 2 (3) 4 6
otal Well Depth:	Depth to Water:
efore 21.43 After 21.78	Before 9.14 After 15.65
eason not developed:	If Free Product, thickness:
dditional Notations:	

Volume Conversion Factor (VCF):	Well dia.		VCF
{12 x (d²/4) x π} /231	2"	=	0.16
where	3"	=	0.37
12 = in / foot	4"	=	0.65
d = diameter (in.)	6"	=	1.47
π = 3.1416	10"	=	4.08
231 = in 3/gal	12"	=	6.87

4.5	X	10	=	45
1 Case Volume		Specified Volumes		gallons

rging Device:

- ☐ Bailer
- ☐ Suction Pump
- ☐ Electric Submersible
- ☒ Positive Air Displacement

Type of Installed Pump _____

Other equipment used 3" surge-block

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
2:34	71.6	6.6	527	>200	4.5	Surge-blaked = 15 min Agitated bottom w/ mp pump
2:39	71.7	6.6	549	>200	9.0	Gray Hard bottom / light gray
2:43	71.5	6.7	520	>200	13.5	
2:47	71.6	6.7	517	>200	18.0	
2:53	70.3	6.8	539	>200	22.5	well drawing down / slowed pump
2:56	70.4	6.7	551	>200	27.0	Darker gray / more silt
3:02	70.9	6.8	507	>200	31.5	light gray / low silt
3:08	71.2	6.8	497	>200	36.0	light odor
3:14	71.6	6.9	515	>200	40.5	
3:20	71.1	6.9	522	>200	45	Hard bottom

l Well Dowater? NO	If yes, note above.	Gallons Actually Evacuated:	45

WELL DEVELOPMENT DATA SHEET

roject #: 030918-DW-2	Client: Shell
)eveloper: Dave Walter	Date Developed: 9-19-07
Vell I.D. S-9	Well Diameter: (circle one) 2 (3) 4 6
'otal Well Depth:	Depth to Water:
efore 18.60 After 18.98	Before 10.02 After 10.90
.eason not developed:	If Free Product, thickness:
.dditional Notations:	

Volume Conversion Factor (VCF):	Well dia.		VCF
(12 x (d^2/4) x π) /231	2"	=	0.16
where	3"	=	0.37
12 = in / foot	4"	=	0.65
d = diameter (in.)	6"	=	1.47
π = 3.1416	10"	=	4.08
231 = in 3/gal	12"	=	6.87

3.2	X	10	=	32
1 Case Volume		Specified Volumes		gallons

urging Device: ☐ Bailer ☐ Electric Submersible ☐ Suction Pump ☒ Positive Air Displacement

Type of Installed Pump _____

Other equipment used 3" surge block

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
4:57	78.2	6.6	810	>200	3.2	surge-blocked 2.5' min agitated bottom w/ MP pump
5:00	77.8	6.7	803	>200	6.4	Black
5:03	76.7	6.7	791	>200	9.6	cloudy
5:06	76.0	6.7	789	>200	12.8	gray/odor
5:07	76.0	6.8	781	>200	16.0	hard bottom
5:10	76.6	6.8	779	>200	19.2	light sheen
5:13	76.1	6.9	770	>200	22.4	
5:16	75.5	6.8	767	>200	25.6	cloudy
5:18	75.1	6.8	765	117	28.8	clearing
5:20	75.1	6.8	760	58	32.0	Hard bottom

l Well Dewater? NO	If yes, note above.	Gallons Actually Evacuated:	32

WELL DEVELOPMENT DATA SHEET

roject #: 030918-DW-2	Client: Shell
eveloper: Dave Walter	Date Developed: 9-16-03
/ell I.D. S-10	Well Diameter: (circle one) 2 (3) 4 6
otal Well Depth: efore 23.93 After 23.98	Depth to Water: Before 9.13 After 20.45
eason not developed:	If Free Product, thickness:
dditional Notations:	

Volume Conversion Factor (VCF):	Well dia.		VCF
(12 x (d^2/4) x π) /231	2"	=	0.16
where	3"	=	0.37
12 = in / foot	4"	=	0.65
d = diameter (in.)	6"	=	1.47
π = 3.1416	10"	=	4.08
231 = in 3/gal	12"	=	6.87

5.5	X	10	=	55
1 Case Volume		Specified Volumes		gallons

urging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☐ Electric Submersible
- ☒ Positive Air Displacement

Type of Installed Pump _____
Other equipment used 3" surge-block

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
13:50	72.7	7.1	264	>200	5.5	Surge blocked 15 min Agitated bottom w/ one pump
3:56	73.2	6.9	225	>200	11.0	1ft brown/lt silt Hard bottom
4:00	72.3	6.7	215	>200	16.5	
4:04	71.9	6.6	214	>200	22.0	
4:08	71.6	6.6	214	>200	27.5	
4:14	71.4	6.6	222	>200	33.0	Slowed pump down
4:20	71.4	6.6	240	>200	38.5	
4:25	71.1	6.6	239	>200	44.0	
4:30	71.3	6.6	237	>200	49.5	
1:36	71.5	6.7	237	>200	55.0	Hard bottom/cloudy

l Well Dewater? no	If yes, note above.	Gallons Actually Evacuated:	55

WELL DEVELOPMENT DATA SHEET

oject #: 030918-DW-2	Client: Shell
eveloper: Dave Walter	Date Developed: 7-19-03
ell I.D. SR-1	Well Diameter: (circle one) 2 3 4 (6)
otal Well Depth:	Depth to Water:
efore 32.85 After 33.90	Before 8.02 After 25.40
eason not developed:	If Free Product, thickness:
dditional Notations:	

Volume Conversion Factor (VCF):	Well dia.		VCF
(12 x (d^2/4) x π) /231	2"	=	0.16
where	3"	=	0.37
12 = in / foot	4"	=	0.65
d = diameter (in.)	6"	=	1.47
π = 3.1416	10"	=	4.08
231 = in 3/gal	12"	=	6.87

36.5	X	10	=	365
1 Case Volume		Specified Volumes		gallons

irging Device: ☐ Bailer ☒ Electric Submersible ☐ Suction Pump ☒ Positive Air Displacement

Type of Installed Pump _____

Other equipment used 6" Surge-block

TIME	TEMP (F)	pH	Cond. (mS or (S)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
0:24	73.3	6.9	421	>200	36.5	surge-blocked 15 min gray sludge
0:58	71.6	6.7	435	>200	73.0	Agitated bottom w/ MB pump
1:05	72.0	6.8	433	>200	109.5	Hard bottom switched to ES
1:12	71.2	6.8	420	>200	146.0	
1:19	70.3	6.8	410	86	182.5	cloudy
1:26	69.8	6.8	419	>200	219.0	very cloudy
1:33	70.3	6.8	415	>200	255.5	gray
1:40	70.2	6.8	409	>200	292.0	
1:48	70.6	7.0	400	>200	328.5	
1:55	70.5	7.1	396	91	365.0	Hard bottom

l Well Dewater? No	If yes, note above.	Gallons Actually Evacuated:	365

WELL GAUGING DATA

Project # 031003 - 045 Date 10/03/03 Client Shell

Site 2800 Telegraph Ave, Oakland

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-8	3					9.99	19.15	TOC	

SHELL WELL MONITORING DATA SHEET

BTS #: 03003 - 045	Site: 2800 Telegraph Ave
Sampler: DA/JP	Date: 10/03/03
Well I.D.: S-8	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth (TD): 19.15	Depth to Water (DTW): 9.99
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.82	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; X Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other:_____

3.4 (Gals.) X 3 = 10.2 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1109	68.6	7.4	533	38	3.5	~~gray~~ odor, clear
1110	72.1	6.5	884	116	7.0	" , cloudy
1111	72.8	6.6	945	237	10.5	" "

Did well dewater? Yes No Gallons actually evacuated: 10.5

Sampling Date: 10/03/03 Sampling Time: 11:15 Depth to Water: 12.35 (traffic well)

Sample I.D.: S-8 Laboratory: (STL) 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

WELL GAUGING DATA

Project # 030929-ACI Date 9/29/03 Client 97095398

Site 2800 Telegraph 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					8.79	28.10	TOC	
S-4	3					10.42	30.20		
S-5	3					10.02	30.15		
S-6	3					9.32	21.72		
S-8	3	well is parked over - unable to access					~~19.15~~		
S-10	3					9.26	24.00		
SR-1	6					8.35	31.35		

SHELL WELL MONITORING DATA SHEET

BTS #: 030929-AC1	Site: 97093598
Sampler: AC	Date: 9/29/03
Well I.D.: S-1	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth (TD): 28.10	Depth to Water (DTW): 8.79
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.65	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; (Electric Submersible); Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: (Bailer); Disposable Bailer; Extraction Port; Dedicated Tubing; Other:_____

7.1 (Gals.) X 3 = 21.3 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
0926	67.9	6.0	496	71000	7.5	brown, cloudy
0928	67.4	6.1	485	71000	15	" "
0930	67.0	6.1	487	71000	22.5	" "

Did well dewater? Yes (No) Gallons actually evacuated: 22.5

Sampling Date: 9/29/03 Sampling Time: 0935 Depth to Water: 11.28

Sample I.D.: S-1 Laboratory: (STL) Other_____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: OXY's + Ethanol, EDC + EDB

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

SHELL WELL MONITORING DATA SHEET

BTS #: 030929-AC	Site: 97093398
Sampler: AC	Date: 9/29/03
Well I.D.: S-4	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth (TD): 30.20	Depth to Water (DTW): 10.42
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 14.37	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; (Electric Submersible); Waterra; Peristaltic; Extraction Pump; Other ___

Sampling Method: (Bailer); Disposable Bailer; Extraction Port; Dedicated Tubing; Other: ___

7.3 (Gals.) X 3 = 21.9 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1040	68.5	6.3	441	510	8	Cloudy
1042	69.3	6.3	445	71000	16	brown, cloudy
1044	69.7	6.4	446	71000	24	" "

Did well dewater? Yes (No) Gallons actually evacuated: 24

Sampling Date: 9/29/03 Sampling Time: 1050 Depth to Water: 14.37

Sample I.D.: S-4 Laboratory: (STL) Other ___

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxy's, Ethanol, EDC + EDB

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

SHELL WELL MONITORING DATA SHEET

BTS #: 030929-AC1	Site: 97093368
Sampler: AC	Date: 9/29/03
Well I.D.: S-5	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth (TD): 30.15	Depth to Water (DTW): 10.02
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 14.04	

Purge Method: Bailer, Disposable Bailer, ~~Positive Air Displacement~~, (Electric Submersible), Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: (Bailer), Disposable Bailer, Extraction Port, Dedicated Tubing, Other:_____

7.5 (Gals.) X 3 = 22.5 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1057	69.7	6.5	281	942	7.5	brown, cloudy
1059	71.2	6.4	283	638	15	cloudy
1101	70.9	6.4	340	309	22.5	"

Did well dewater? Yes (No) Gallons actually evacuated: 22.5

Sampling Date: 9/29/03 Sampling Time: 1105 Depth to Water: 13.66

Sample I.D.: S-5 Laboratory: (STL) Other_____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxy's, Ethanol, EDC + EDB

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

SHELL WELL MONITORING DATA SHEET

BTS #: 030929-AC1	Site: 97093398
Sampler: AC	Date: 9/29/03
Well I.D.: S-6	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth (TD): 21.72	Depth to Water (DTW): 9.32
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.80	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; (Electric Submersible); Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: (Bailer); Disposable Bailer; Extraction Port; Dedicated Tubing; Other:_____

4.5 (Gals.) X 3 = 13.5 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1122	70.1	6.4	549	187	4.5	clear, odor
1123	71.3	6.4	541	262	9	" "
Well	dewatered	@	9	gal		DTW = 18.33
1135	71.0	6.4	538	259	—	

Did well dewater? (Yes) No Gallons actually evacuated: 9

Sampling Date: 9/29/03 Sampling Time: 1135 Depth to Water: 11.80

Sample I.D.: S-6 Laboratory: (STL) Other_____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxy's, Ethanol, EDC + EDB

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

SHELL WELL MONITORING DATA SHEET

BTS #: 030929-AC1	Site: 97093398
Sampler: AC	Date: 9/29/03
Well I.D.: S-8	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth (TD):	Depth to Water (DTW):
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: Bailer, 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	radius² * 0.163

_____(Gals.) X _____ = _____ Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
well is parked over						in front of business -
unable to	locate	owner.	Car	over	well	
entire	time	tech	was	on-site	(should	add
a note	to	scope	to	come	off	early)

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: Sampling Time: Depth to Water:

Sample I.D.: S-8 Laboratory: STL 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

SHELL WELL MONITORING DATA SHEET

BTS #: 030929-AC1	Site: 97093398
Sampler: AC	Date: 9/29/03
Well I.D.: S-10	Well Diameter: 2 (3) 4 6 8 ____
Total Well Depth (TD): 24.00	Depth to Water (DTW): 9.26
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.20	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; (Electric Submersible); Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: (Bailer); Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

5.5 (Gals.) X 3 = 16.5 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1018	68.6	6.6	223	67	5.5	clear
1020	68.5	6.5	212	68	11	"
1022	68.4	6.5	211	75	16.5	"

Did well dewater? Yes (No) Gallons actually evacuated: 16.5

Sampling Date: 9/29/03 Sampling Time: 1030 Depth to Water: 11.96

Sample I.D.: S-10 Laboratory: (STL) Other_____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxys, Ethanol, EDC + EDB

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

SHELL WELL MONITORING DATA SHEET

BTS #: 030929-AC1	Site: 97093398
Sampler: AC	Date: 9/29/03
Well I.D.: SR-1	Well Diameter: 2 3 4 (6) 8 ___
Total Well Depth (TD): 34.35	Depth to Water (DTW): 8.35
Depth to Free Product: ~~34.35~~ AC	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.55	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; ~~Electric Submersible~~; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: (Bailer); Disposable Bailer; Extraction Port; Dedicated Tubing; Other:_____

38.5 (Gals.) X 3 = 115.5 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0952	68.3	6.6	459	93	39	clear
1000	69.0	6.6	451	115	78	clear, odor
1008	67.9	6.6	449	105	117	" "

Did well dewater? Yes (No) Gallons actually evacuated: 117

Sampling Date: 9/29/03 Sampling Time: 1010 Depth to Water: 13.21

Sample I.D.: SR-1 Laboratory: (STL) Other_____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: OXY's, Ethanol + EDC, EDB

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