CAMBRIA

March 1, 2000

Ms. Susan Hugo
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

Re: **Quarterly Status Report - First Quarter 2000**
Shell-branded Service Station
1800 Powell
Emeryville, CA
Incident No. 98995349

Dear Ms. Hugo:

On behalf of Equiva Services LLC, Cambria Environmental Technology, Inc. is submitting this letter in accordance with the reporting requirements of 23 CCR 2652d.

Current Quarter's Activities

No activities were required or performed at this site during the first quarter of 2000.

Proposed Activities

Annual monitoring of the site wells will be conducted during the fourth quarter of 2000.

We appreciate the opportunity to work with you on this project. Please call us if you have any questions.

Sincerely,
Cambria Environmental Technology, Inc.

Ailsa S. Le May, R.G.
Senior Geologist

cc: Karen Petryna, Equiva Services LLC, P.O. Box 7869, Burbank California 91501-7869

Oakland, CA
Sonoma, CA
Portland, OR
Seattle, WA

Cambria Environmental Technology, Inc.

1144 65th Street
Suite B
Oakland, CA 94608
Tel (510) 420-0700
Fax (510) 420-9170

CAMBRIA

February 16, 2000

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

Re: **Fourth Quarter 1999 Monitoring Report**
Shell-branded Service Station
1800 Powell Street
Emeryville, California
Incident # 98995349
Cambria Project# 242-0894-002

Dear Ms. Hugo:

On behalf of Equiva Services LLC, Cambria Environmental Technology, Inc. (Cambria) is submitting this ground water monitoring report in accordance with the reporting requirements of 23 CCR 2652d.

FOURTH QUARTER 1999 ACTIVITIES

Ground Water Monitoring: Blaine Tech Services, Inc. (Blaine) of San Jose, California gauged and sampled all site wells except well S-9. Well S-9 contained thick, black separate-phase hydrocarbons (SPH). Blaine calculated ground water elevations and compiled the analytical data. Cambria prepared a ground water elevation contour map (Figure 1). The Blaine report, presenting the laboratory report and including supporting field documents, is included as Attachment A.

ANTICIPATED FUTURE 2000 ACTIVITIES

Ground Water Monitoring: The next sampling event is scheduled for the fourth quarter of 2000. At that time, Blaine will measure and remove any detected SPH, gauge and sample all wells, and tabulate the data. Cambria will prepare a monitoring report.

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Sonoma, CA
Portland, OR
Seattle, WA

Cambria Environmental Technology, Inc.

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Suite B
Oakland, CA 94608
Tel (510) 420-0700
Fax (510) 420-9170

CLOSING

We appreciate the opportunity to work with you on this project. Please call Ailsa Le May at (510) 420-3344 if you have any questions or comments.

Sincerely,
Cambria Environmental Technology, Inc

Anni Kreml
Senior Staff Scientist

Ailsa S. Le May, R.G.
Senior Geologist

REGISTERED GEOLOGIST
AILSA S. LE MAY
NO. 6717
STATE OF CALIFORNIA

Figure: 1 - Ground Water Elevation Contour Map

Attachment: A - Blaine Ground Water Monitoring Report and Field Notes

cc: Karen Petryna, Equiva Services LLC, P.O. Box 7869, Burbank, California 91501-7869
Mr. Eddy So, RWQCB-SFBR, 1515 Clay St., Ste. 1400, Oakland, CA 94612
James N. & Sharman R. Hardwick, 4695 Thornton Ave., Fremont, CA 94536

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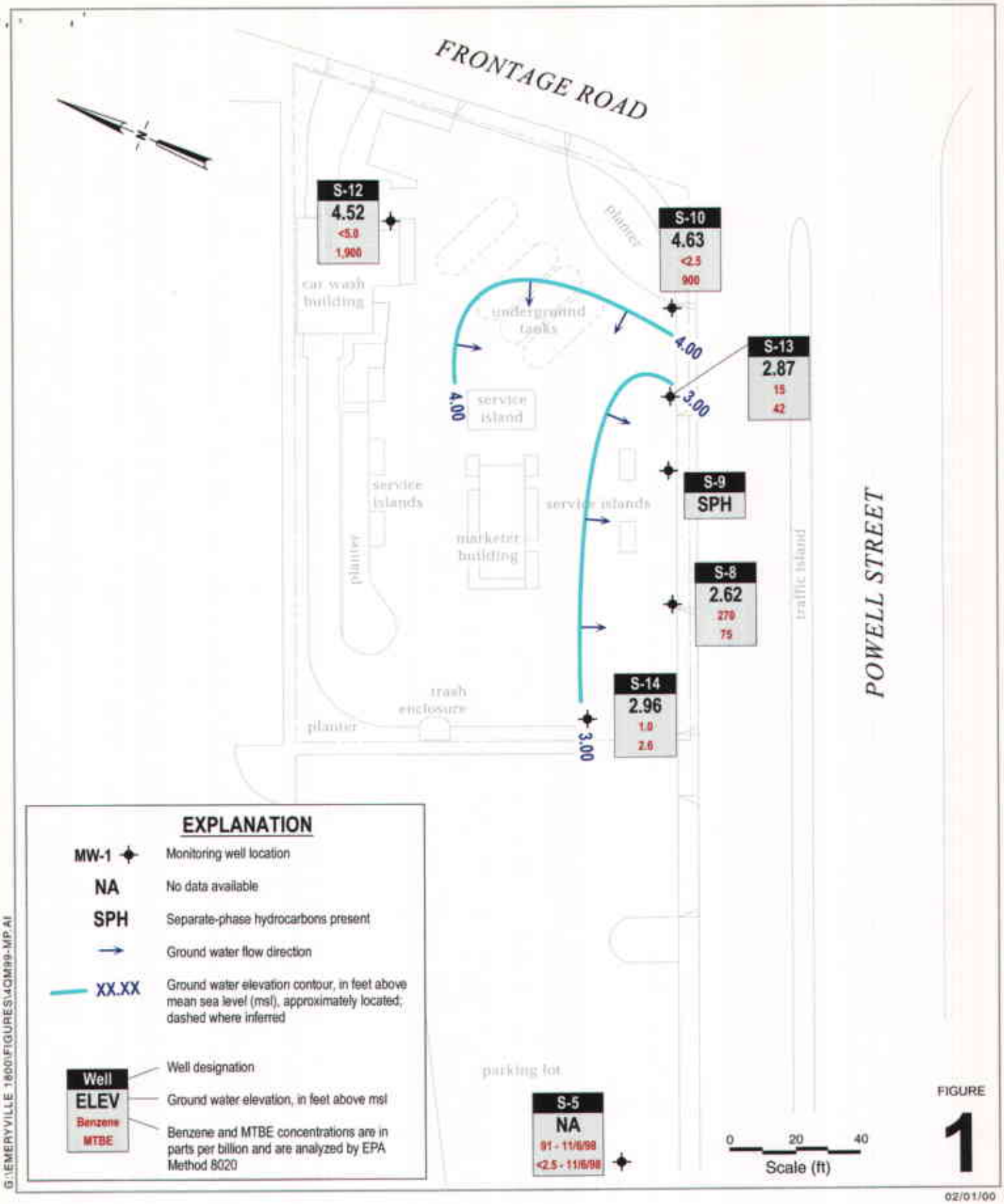

Shell-branded Service Station
1800 Powell Street
Emeryville, California
Incident #98995349

CAMBRIA

Ground Water Elevation Contour Map

December 7, 1999

ATTACHMENT A

Blaine Ground Water Monitoring Report
and Field Notes

BLAINE
TECH SERVICES INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
(408) 573-7771 FAX
(408) 573-0555 PHONE

January 7, 2000

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

Fourth Quarter 1999 Groundwater Monitoring at
Shell-branded Service Station
1800 Powell Street
Emeryville, CA

Monitoring performed on December 7, 1999

Groundwater Monitoring Report **991207-K-3**

This report covers the routine monitoring of groundwater wells at this Shell-branded 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 Shell Martinez Manufacturing Complex.

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,

Deidre Kerwin
Operations Manager

DK/ek

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

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

WELL CONCENTRATIONS
Shell-Branded Service Station
1800 Powell Street
Emeryville, CA
Wic #204-2495-0101

Well ID	Date	TPPH (ug/L)	TEPH (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-5	10/26/1984	3,000	NA	660	20	20	70	NA	NA	11.72	NA	NA	NA
S-5	02/09/1985	2,800	NA	740	20	20	140	NA	NA	11.72	NA	NA	NA
S-5	04/27/1985	4,300	NA	750	10	20	<30	NA	NA	11.72	NA	NA	NA
S-5	07/06/1985	1,500	NA	300	8	7	9	NA	NA	11.72	NA	NA	NA
S-5	10/24/1985	2,100	NA	760	10	40	50	NA	NA	11.72	NA	NA	NA
S-5	01/03/1986	1,300	NA	520	9	8	10	NA	NA	11.72	NA	NA	NA
S-5	07/05/1986	1,400	NA	500	10	4	<10	NA	NA	11.72	8.36	3.36	NA
S-5	10/18/1986	4,200	NA	1,100	9	14	7	NA	NA	11.72	NA	NA	NA
S-5	01/13/1987	4,500	6,100	1,100	15	30	25	NA	NA	11.72	NA	NA	NA
S-5	07/07/1987	3,200	NA	1,000	16	9	12	NA	NA	11.72	9.15	2.57	NA
S-5	10/10/1987	1,700	NA	16	5.7	5.2	8.9	NA	NA	11.72	9.67	2.05	NA
S-5	02/11/1988	1,300	NA	300	5	<5	<5	NA	NA	11.72	9.00	2.72	NA
S-5	05/10/1988	1,900	NA	490	<0.5	<5	<5	NA	NA	11.72	8.61	3.11	NA
S-5	08/31/1988	6,700	NA	760	26	<25	<25	NA	NA	11.72	9.61	2.11	NA
S-5	12/03/1988	2,900	NA	890	5.3	7.3	13	NA	NA	11.72	9.47	2.25	NA
S-5	02/16/1989	1,300	NA	280	3	3.4	9.4	NA	NA	11.72	8.29	3.43	NA
S-5	08/10/1989	1,700	NA	530	5.5	<5	5.8	NA	NA	11.72	9.30	2.42	NA
S-5	11/11/1989	NA	NA	NA	NA	NA	NA	NA	NA	11.72	9.42	2.30	NA
S-5	02/21/1994	1,000	NA	250	<5	<5	<5	NA	NA	11.72	7.95	3.77	NA
S-5 (D)	02/21/1994	1,300	NA	220	<5	<5	11	NA	NA	11.72	7.95	3.77	NA
S-5	05/16/1994	1,200	NA	230	<5	<5	<5	NA	NA	11.72	8.00	3.72	NA
S-5	08/09/1994	Well inaccessible		NA	NA	NA	NA	NA	NA	11.72	NA	NA	NA
S-5	11/09/1994	1,600	NA	220	3.2	1.8	5	NA	NA	11.72	8.32	3.40	NA
S-5 (D)	11/09/1994	1,600	NA	250	3.3	1.9	5.9	NA	NA	11.72	8.32	NA	NA

WELL CONCENTRATIONS
Shell-Branded Service Station
1800 Powell Street
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Well ID	Date	TPPH (ug/L)	TEPH (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-5	02/22/1995	Well inaccessible		NA	NA	NA	NA	NA	NA	11.72	NA	NA	NA
S-5	05/02/1995	Well inaccessible		NA	NA	NA	NA	NA	NA	11.72	NA	NA	NA
S-5	05/10/1995	910	NA	170	1.5	1.3	5.2	NA	NA	11.72	NA	NA	NA
S-5	08/24/1995	620	NA	210	<0.5	1.2	5.3	NA	NA	11.72	8.78	2.94	NA
S-5	12/08/1995	1,600	NA	510	3.3	1.5	6.6	NA	NA	11.72	9.78	1.94	NA
S-5 (D)	12/08/1995	1,600	NA	530	1.8	1.1	5.4	NA	NA	11.72	9.78	1.94	NA
S-5	02/29/1996	1,900	NA	470	5.8	<5.0	<5.0	46	NA	11.72	7.64	4.08	NA
S-5 (D)	02/29/1996	1,700	NA	440	5.4	<5.0	<5.0	40	NA	11.72	7.64	4.08	NA
S-5	05/22/1996	1,200	NA	490	<10	<10	<10	<50	NA	11.72	8.60	3.12	NA
S-5	07/30/1996	1,100	NA	400	<5.0	<5.0	6.9	<25	NA	11.72	9.40	2.32	NA
S-5	11/11/1996	Well inaccessible		NA	NA	NA	NA	NA	NA	11.72	NA	NA	NA
S-5	11/03/1997	Well inaccessible		NA	NA	NA	NA	NA	NA	11.72	NA	NA	NA
S-5	11/06/1998	620	NA	91	<0.50	0.64	4.0	<2.5	NA	11.72	8.25	3.47	NA
S-5	12/07/1999	Well inaccessible		NA	NA	NA	NA	NA	NA	11.72	NA	NA	NA
S-6	04/27/1985	6,500	NA	2,400	30	50	210	NA	NA	NA	NA	NA	NA
S-6	07/06/1985	3,700	NA	1,700	34	55	200	NA	NA	NA	NA	NA	NA
S-6	10/24/1985	23	<0.5	<5	10	NA	NA	NA	NA	NA	NA	<50	NA
S-6	11/08/1985	Well abandoned		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-7	10/26/1984	50	NA	1.1	<1	<1	4	NA	NA	NA	NA	NA	NA
S-7	02/09/1985	NA	NA	0.9	<1	<1	<3	NA	NA	NA	NA	NA	NA
S-7	04/27/1985	<50	NA	<1	<1	<1	<3	NA	NA	NA	NA	NA	NA
S-7	07/06/1985	70	NA	2.2	<1	<1	<3	NA	NA	NA	NA	NA	NA
S-7	10/24/1985	6,200	NA	2,200	130	190	660	NA	NA	NA	NA	NA	NA

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Shell-Branded Service Station
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S-7	11/09/1985	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-8	10/26/1984	1,000	NA	610	9	1	42	NA	NA	12.76	NA	NA	NA
S-8	02/09/1985	500	NA	160	5	<2	17	NA	NA	12.76	NA	NA	NA
S-8	04/27/1985	2,700	NA	1500	20	10	40	NA	NA	12.76	NA	NA	NA
S-8	07/06/1985	440	NA	180	5	2	12	NA	NA	12.76	NA	NA	NA
S-8	10/24/1985	2,000	NA	1,100	17	5	70	NA	NA	12.76	NA	NA	NA
S-8	01/03/1986	1,900	NA	1,300	20	<10	70	NA	NA	12.76	NA	NA	NA
S-8	07/05/1986	1,600	NA	920	30	<10	60	NA	NA	12.76	9.50	3.26	NA
S-8	10/18/1986	1,400	NA	640	<10	<10	30	NA	NA	12.76	NA	NA	NA
S-8	01/13/1987	670	760	190	5.8	<0.5	19	NA	NA	12.76	NA	NA	NA
S-8	04/22/1987	2,400	NA	740	54	5.7	59	NA	NA	12.76	NA	NA	NA
S-8	07/07/1987	1,100	NA	450	15	<2.5	42	NA	NA	12.76	10.45	2.31	NA
S-8	10/10/1987	340	NA	4	0.6	<0.5	17	NA	NA	12.76	10.83	1.93	NA
S-8	02/11/1988	<1,000	NA	260	<10	<10	11	NA	NA	12.76	10.44	2.32	NA
S-8	05/10/1988	1,800	NA	700	14	<5	46	NA	NA	12.76	10.17	2.59	NA
S-8	08/31/1988	NA	NA	NA	NA	NA	NA	NA	NA	12.76	10.81	1.95	SPH
S-8	12/03/1988	960	NA	250	4.3	<2.5	14	NA	NA	12.76	10.81	1.95	NA
S-8	02/16/1989	2,700	NA	800	35	10	83	NA	NA	12.76	9.65	3.11	NA
S-8	05/28/1989	960	NA	710	25	84	80	NA	NA	12.76	10.46	2.30	NA
S-8	08/10/1989	1,300	NA	630	17	<5	46	NA	NA	12.76	10.59	2.17	NA
S-8	11/11/1989	910	NA	180	8	<2.5	15	NA	NA	12.76	10.29	2.47	NA
S-8	02/21/1994	3,200	NA	480	52	<5	130	NA	NA	12.76	9.52	3.24	NA
S-8	05/16/1994	1,000	NA	220	7.3	<5	28	NA	NA	12.76	9.49	3.27	NA
S-8 (D)	05/16/1994	1,000	NA	280	10	<5	29	NA	NA	12.76	9.49	3.27	NA

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S-8	08/09/1994	400	NA	27	6.6	<0.5	18	NA	NA	12.76	10.37	2.39	NA
S-8	11/09/1994	650	NA	170	5.3	<0.5	17	NA	NA	12.76	9.58	3.18	NA
S-8	02/22/1995	650	NA	210	10	1.2	22	NA	NA	12.76	9.02	3.74	NA
S-8	05/02/1995	1,000	NA	280	17	1.4	32	NA	NA	12.76	8.45	4.31	NA
S-8	08/24/1995	480	NA	180	11	1	19	NA	NA	12.76	10.02	2.74	NA
S-8 (D)	08/24/1995	700	NA	180	6.5	<0.5	17	NA	NA	12.76	10.02	2.74	NA
S-8	12/08/1995	740	NA	230	6.9	0.7	15	NA	NA	12.76	10.65	2.11	NA
S-8	02/29/1996	740	NA	260	8.1	<5.0	19	58	NA	12.76	9.10	3.66	NA
S-8	05/22/1996	1,200	NA	350	10	<5.0	23	74	NA	12.76	10.14	2.62	NA
S-8	07/30/1996	530	NA	220	20	6.3	36	69	NA	12.76	10.51	2.25	NA
S-8	11/11/1996	540	NA	140	3.7	<2.0	17	42	NA	12.76	10.23	2.53	NA
S-8	11/03/1997	480	NA	54	3.5	<0.50	12	40	NA	12.76	9.40	3.36	NA
S-8	11/06/1998	740	NA	110	10	2.8	26	31	NA	12.76	9.78	2.98	NA
S-8	12/07/1999	770	NA	270	16	2.0	83	75	NA	12.76	10.14	2.62	NA
S-9	10/26/1984	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	SPH
S-9	02/09/1985	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	1.30
S-9	04/27/1985	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	1.25
S-9	07/06/1985	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	1.20
S-9	10/24/1985	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	SPH
S-9	01/03/1986	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	SPH
S-9	04/11/1986	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	SPH
S-9	07/05/1986	NA	NA	NA	NA	NA	NA	NA	NA	12.75	9.67	3.08	SPH
S-9	10/18/1986	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	SPH
S-9	01/13/1987	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	SPH

WELL CONCENTRATIONS
Shell-Branded Service Station
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Wic #204-2495-0101

Well ID	Date	TPPH (ug/L)	TEPH (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-9	04/22/1987	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	SPH
S-9	07/07/1987	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	SPH
S-9	10/10/1987	NA	NA	NA	NA	NA	NA	NA	NA	12.75	22.30	-9.55	SPH
S-9	02/24/1994	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	SPH
S-9	05/16/1994	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	1.50
S-9	08/09/1994	NA	NA	NA	NA	NA	NA	NA	NA	12.75	11.80	NA	2.00
S-9	11/09/1994	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	SPH
S-9	02/22/1995	NA	NA	NA	NA	NA	NA	NA	NA	12.75	11.40	NA	2.38
S-9	05/02/1995	NA	NA	NA	NA	NA	NA	NA	NA	12.75	11.83	NA	2.12
S-9	12/08/1995	NA	NA	NA	NA	NA	NA	NA	NA	12.75	11.92	NA	1.06
S-9a	02/29/96a	NA	NA	NA	NA	NA	NA	NA	NA	12.75	12.10	2.88	2.79
S-9a	05/22/96a	NA	NA	NA	NA	NA	NA	NA	NA	12.75	11.71	2.44	1.75
S-9a	07/30/96a	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	SPH
S-9a	11/11/96a	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	9.00
S-9a	11/03/1997	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	SPH
S-9a	11/06/1998	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	SPH
S-9a	12/07/1999	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	SPH
S-10	10/26/1984	700,000	NA	37,000	100,000	20,000	110,000	NA	NA	12.58	NA	NA	NA
S-10	02/09/1985	6,500	NA	480	700	100	1,800	NA	NA	12.58	NA	NA	NA
S-10	04/27/1985	13,000	NA	1,300	500	600	3,700	NA	NA	12.58	NA	NA	NA
S-10	07/06/1985	14,000	NA	1,300	310	270	2,400	NA	NA	12.58	NA	NA	NA
S-10	10/24/1985	4,200	NA	580	34	4	440	NA	NA	12.58	NA	NA	NA
S-10	01/03/1986	1,700	NA	360	10	7.8	170	NA	NA	12.58	NA	NA	NA
S-10	04/11/1986	NA	NA	NA	NA	NA	NA	NA	NA	12.58	NA	NA	0.01

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Emeryville, CA
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S-10	07/05/1986	NA	NA	NA	NA	NA	NA	NA	NA	12.58	9.16	3.42	0.01
S-10	10/18/1986	NA	NA	NA	NA	NA	NA	NA	NA	12.58	NA	NA	0.03
S-10	01/13/1987	NA	NA	NA	NA	NA	NA	NA	NA	12.58	NA	NA	0.03
S-10	04/22/1987	NA	NA	NA	NA	NA	NA	NA	NA	12.58	NA	NA	0.01
S-10	07/07/1987	NA	NA	NA	NA	NA	NA	NA	NA	12.58	9.41	3.17	0.03
S-10	10/10/1987	NA	NA	NA	NA	NA	NA	NA	NA	12.58	7.77	4.81	SPH
S-10	02/11/1988	1,200	NA	470	16	<5	14	NA	NA	12.58	6.41	6.17	NA
S-10	05/10/1988	1,100	NA	100	6	4	19	NA	NA	12.58	9.04	3.54	NA
S-10	08/31/1988	NA	NA	NA	NA	NA	NA	NA	NA	12.58	9.38	3.20	0.01
S-10	12/03/1988	NA	NA	NA	NA	NA	NA	NA	NA	12.58	6.89	5.69	SPH
S-10	02/16/1989	530	NA	89	8.5	1.6	4.5	NA	NA	12.58	7.34	5.24	NA
S-10	05/28/1989	240	NA	65	3.8	2.2	8.6	NA	NA	12.58	6.60	5.98	NA
S-10	08/10/1989	250	NA	23	4.1	<1	6.4	NA	NA	12.58	9.09	3.49	NA
S-10	11/11/1989	320	NA	1.6	1.3	1.4	6.2	NA	NA	12.58	6.58	6.00	NA
S-10	02/21/1994	1,400	NA	190	9.9	<2.5	19	NA	NA	12.58	8.32	4.26	NA
S-10	05/16/1994	300	NA	45	8.6	6.2	19	NA	NA	12.58	8.35	4.23	NA
S-10	08/08/1994	700	NA	57	14	<0.5	9.3	NA	NA	12.58	8.66	3.92	NA
S-10	11/09/1994	640	NA	130	2	1.6	4.1	NA	NA	12.58	6.68	5.90	NA
S-10	02/22/1995	500	NA	65	5.9	1	8.2	NA	NA	12.58	9.12	3.46	NA
S-10	05/02/1995	530	NA	59	2.3	0.8	8.2	NA	NA	12.58	9.50	3.08	NA
S-10	08/24/1995	350	NA	35	4.6	<0.5	6.7	NA	NA	12.58	10.06	2.52	NA
S-10	12/08/1995	690	NA	28	4.6	0.9	8.6	NA	NA	12.58	10.08	2.50	NA
S-10	02/29/1996	430	NA	32	1.8	0.5	5.8	16	NA	12.58	5.32	7.26	NA
S-10	05/22/1996	100	1,200	19	0.63	<0.5	1.4	5.3	NA	12.58	6.04	6.54	NA
S-10	07/30/1996	240	13,000	17	<1.2	<1.2	7.8	11	NA	12.58	10.48	2.10	NA

WELL CONCENTRATIONS
Shell-Branded Service Station
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Emeryville, CA
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Well ID	Date	TPPH (ug/L)	TEPH (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-10	11/11/1996	370	4,800	16	1.1	<0.5	7	94	NA	12.58	10.31	2.27	NA
S-10	11/03/1997	340	1,100	6.7	2.1	<0.50	3.3	19	NA	12.58	9.53	3.05	NA
S-10 (D)	11/03/1997	310	1,100	7.8	1.3	<0.50	3.1	19	NA	12.58	9.53	3.05	NA
S-10	11/06/1998	<250	2,000	<2.5	<2.5	<2.5	6.5	900	NA	12.58	5.12	7.46	NA
S-10	12/07/1999	400	2,230	4.7	3.3	0.8	2.29	90	NA	12.58	7.95	4.63	NA
S-12	07/06/1985	<250	2,200	0.71	<0.5	<0.5	<3.6	NA	NA	12.84	8.22	NA	NA
S-12	11/16/1985	<250	1,400	18	<2	<2	<5	NA	NA	12.84	NA	NA	NA
S-12	01/03/1986	<250	NA	24	2	<2	<5	NA	NA	12.84	NA	NA	NA
S-12	07/05/1986	80	NA	15	0.7	<0.5	2	NA	NA	12.84	8.27	4.57	NA
S-12	10/18/1986	150	NA	12	9	<0.5	3.6	NA	NA	12.84	NA	NA	NA
S-12	01/13/1987	120	1,000	3.6	0.8	<0.5	2.9	NA	NA	12.84	NA	NA	NA
S-12	04/22/1987	100	820	3.7	3.8	0.8	11	NA	NA	12.84	NA	NA	NA
S-12	07/07/1987	70	NA	2.5	0.8	<0.5	2.4	NA	NA	12.84	9.50	3.34	NA
S-12	10/10/1987	220	2,500	2.1	0.7	<0.5	1.2	NA	NA	12.84	9.90	2.94	NA
S-12	02/11/1988	110	2,500	0.8	<0.5	<0.5	1.3	NA	NA	12.84	9.43	3.41	NA
S-12	05/10/1988	140	3,800b	0.8	0.8	<0.5	2.5	NA	NA	12.84	8.65	4.19	NA
S-12	08/31/1988	190	2,600b	3	15	0.5	4.5	NA	NA	12.84	9.86	2.98	NA
S-12	12/03/1988	180	3,900b	1.2	1	1	7.7	NA	NA	12.84	9.93	2.91	NA
S-12	02/16/1989	350c	2,100b	0.6	<0.5	0.5	5.5	NA	NA	12.84	8.08	4.76	NA
S-12	05/28/1989	290	2,200	2	1.6	4.4	6	NA	NA	12.84	9.08	3.76	NA
S-12	08/10/1989	240	720	0.7	<0.5	<0.5	1.1	NA	NA	12.84	9.35	3.49	NA
S-12	11/11/1989	210c	4,100	0.7	0.5	<0.5	3.4	NA	NA	12.84	9.28	3.56	NA
S-12	02/21/1994	240d	2,200e	0.7	<0.5	<0.5	3.6	NA	NA	12.84	8.22	4.62	NA
S-12	05/16/1994	96	2,200	1.5	<0.5	<0.5	2	NA	NA	12.84	8.92	3.92	NA

WELL CONCENTRATIONS
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Well ID	Date	TPPH (ug/L)	TEPH (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-12	08/08/1994	110f	3,500g	<0.5	<0.5	<0.5	<0.5	NA	NA	12.84	NA	0.00	NA
S-12	11/09/1994	80	5,400g	80	<0.5	<0.5	0.6	NA	NA	12.84	7.56	5.28	NA
S-12	02/22/1995	110	2,900g,h	0.7	<0.5	<0.5	3.7	NA	NA	12.84	7.98	4.86	NA
S-12 (D)	02/22/1995	110	3,400g,h	4.8	7.1	<0.5	2.1	NA	NA	12.84	7.98	4.86	NA
S-12	05/02/1995	140	2,800	2.4	1.1	0.8	4.3	NA	NA	12.84	8.44	4.40	NA
S-12	08/24/1995	200	1,600	19	12	5.6	24	NA	NA	12.84	9.00	3.84	NA
S-12	12/08/1995	170	2,700	2.2	0.7	0.9	3.6	NA	NA	12.84	9.62	3.22	NA
S-12	02/29/1996	1,700	2,200	<5.0	<5.0	<5.0	<5.0	5,600	NA	12.84	7.64	5.20	NA
S-12	05/22/1996	<1,000	5,700	<10	<10	<10	<10	2,400	NA	12.84	8.94	3.90	NA
S-12	07/30/1996	<500	3,200	<5.0	<5.0	<5.0	<5.0	1,500	NA	12.84	9.71	3.13	NA
S-12 (D)	07/30/1996	<500	2,900	<5.0	<5.0	<5.0	<5.0	NA	2,000	12.84	9.71	3.13	NA
S-12	11/11/1996	<500	6,900	<5.0	<5.0	<5.0	<5.0	1,400	NA	12.84	9.65	3.19	NA
S-12	11/03/1997	110	2,800	2.1	<0.50	<0.50	1.3	NA	NA	12.84	8.73	4.11	NA
S-12	11/06/1998	<500	2,900	<5.0	<5.0	<5.0	<5.0	2,700	NA	12.84	8.85	3.99	NA
S-12	12/07/1999	<500	2,800	<5.0	<5.0	<5.0	<5.0	1,900	NA	12.84	8.32	4.52	NA

S-13	07/06/1985	700	3,600	200	<5	<5	45	NA	NA	12.59	9.26	NA	NA
S-13	11/16/1985	1,900	2,000	700	160	70	340	NA	NA	12.59	NA	NA	NA
S-13	01/03/1986	2,800	NA	1,400	130	10	500	NA	NA	12.59	NA	NA	NA
S-13	07/05/1986	3,100	NA	1,800	60	40	270	NA	NA	12.59	9.47	3.12	NA
S-13	10/23/1986	3,400	NA	1,500	28	28	250	NA	NA	12.59	NA	NA	NA
S-13	01/13/1987	1,900	900	830	15	<10	99	NA	NA	12.59	NA	NA	NA
S-13	04/22/1987	2,900c	770h	1,100	20	30	140	NA	NA	12.59	NA	NA	NA
S-13	07/07/1987	1,500	NA	880	10	6	160	NA	NA	12.59	10.38	2.21	NA
S-13	10/10/1987	480	2,400	830	15	<0.5	120	NA	NA	12.59	10.78	1.81	NA

WELL CONCENTRATIONS
Shell-Branded Service Station
1800 Powell Street
Emeryville, CA
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Well ID	Date	TPPH (ug/L)	TEPH (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-13	02/11/1988	1,300	1,300	510	<10	<10	86	NA	NA	12.59	10.48	2.11	NA
S-13	05/10/1988	1,000	1,300b	470	<0.5	<5	50	NA	NA	12.59	9.48	3.11	NA
S-13	08/31/1988	NA	NA	NA	NA	NA	NA	NA	NA	12.59	10.74	1.85	SPH
S-13	12/03/1988	900	2,400b	290	4.6	<2.5	20	NA	NA	12.59	10.30	2.29	NA
S-13	02/16/1989	840c	1,200b	310	3.5	<2.5	27	NA	NA	12.59	7.60	4.99	NA
S-13	05/28/1989	2,100	4,600	1,100	19	50	350	NA	NA	12.59	10.60	1.99	NA
S-13	08/10/1989	900	2,300	230	16	6.9	65	NA	NA	12.59	10.58	2.01	NA
S-13	11/11/1989	2,800	2,800	200	15	8.6	58	NA	NA	12.59	9.84	2.75	NA
S-13	02/21/1994	700	1,800d	200	<5	<5	45	NA	NA	12.59	9.26	3.33	NA
S-13	05/16/1994	650	1,700	180	2.5	<2.5	21	NA	NA	12.59	9.62	2.97	NA
S-13	08/08/1994	470	2,600g	12	1.5	0.5	14	NA	NA	12.59	10.32	2.27	NA
S-13	11/09/1994	Well inaccessible		NA	NA	NA	NA	NA	NA	12.59	NA	NA	NA
S-13	02/22/1995	550	2,400g,h	190	4	<0.5	17	NA	NA	12.59	8.92	3.67	NA
S-13	05/02/1995	790	2,100	250	6.9	1.2	22	NA	NA	12.59	9.52	3.07	NA
S-13	08/24/1995	330	1,500	93	<0.5	<0.5	2	NA	NA	12.59	10.02	2.57	NA
S-13	12/08/1995	440	2,400	110	2.2	0.8	23	NA	NA	12.59	10.75	1.84	NA
S-13	02/29/1996	560	2,500	130	<5.0	<5.0	30	30	NA	12.59	9.02	3.57	NA
S-13	05/22/1996	430	3,700	55	1.6	310	27	<5.0	NA	12.59	10.20	2.39	NA
S-13	07/30/1996	230	1,600	30	2	1.4	17	15	NA	12.59	10.42	2.17	NA
S-13	11/11/1996	320	2,700	19	1.1	<0.5	14	3.5	NA	12.59	10.28	2.31	NA
S-13 (D)	11/11/1996	360	2,400	24	1.3	<0.5	15	4.5	NA	12.59	10.28	2.31	NA
S-13	11/03/1997	300	1,900	25	1.4	0.63	12	5.0	NA	12.59	9.36	3.23	NA
S-13	11/06/1998	390	1,300	53	2.9	1.1	13	17	NA	12.59	9.85	2.74	NA
S-13	12/07/1999	420	1,430	15	6.2	2.6	5	42	NA	12.59	9.72	2.87	NA

WELL CONCENTRATIONS
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Emeryville, CA
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Well ID	Date	TPPH (ug/L)	TEPH (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-14	11/16/1985	<250	400	3	<2	<2	<5	NA	NA	12.69	NA	NA	NA
S-14	01/03/1986	<250	NA	3	2	<2	<5	NA	NA	12.69	NA	NA	NA
S-14	04/22/1987	1,200	18,000	7.4	2.7	15	110	NA	NA	12.69	NA	NA	NA
S-14	07/07/1987	190	NA	6.5	0.6	1.9	26	NA	NA	12.69	10.32	2.37	NA
S-14	10/10/1987	4,900	21,000	7	1.2	<0.5	25	NA	NA	12.69	10.77	1.92	NA
S-14	02/11/1988	370	12,000c	4.6	<2.5	<2.5	26	NA	NA	12.69	10.40	2.29	NA
S-14	05/10/1988	660	2,200b	2.9	<2.5	<2.5	24	NA	NA	12.69	9.66	3.03	NA
S-14	08/31/1988	700	7,900	3.2	<2.5	<2.5	15	NA	NA	12.69	10.74	1.95	NA
S-14	12/03/1988	210	11,000b	<0.5	<0.5	0.8	6.8	NA	NA	12.69	10.69	2.00	NA
S-14	02/16/1989	130c	5,700b	<0.5	<0.5	<0.5	4.4	NA	NA	12.69	9.69	3.00	NA
S-14	05/28/1989	770	5,200	<0.5	<0.5	<0.5	4.5	NA	NA	12.69	10.42	2.27	NA
S-14	08/10/1989	920	8,800	<1	<1	1.6	17	NA	NA	12.69	10.54	2.15	NA
S-14	11/11/1989	710	28,000	20	57	25	69	NA	NA	12.69	9.91	2.78	NA
S-14	02/21/1994	2,800	3,600	<5	<5	<5	14	NA	NA	12.69	9.30	3.09	NA
S-14	02/21/1994	2,300d	3,600e	<5.0	<5	<5	14	NA	NA	12.69	9.30	3.39	NA
S-14	05/16/1994	310	6,700	<2.5	<2.5	<2.5	3.1	NA	NA	12.69	9.54	3.15	NA
S-14	08/08/1994	480l	2,900	<0.5	0.6	<0.5	0.8	NA	NA	12.69	10.29	2.40	NA
S-14 (D)	08/08/1994	590l	2,900	<0.5	0.6	<0.5	1.5	NA	NA	12.69	10.29	2.40	NA
S-14	11/09/1994	170i	6,400g	0.7	<0.5	<0.5	2.7	NA	NA	12.69	9.52	3.07	NA
S-14	02/22/1995	550	7,000g,h	<0.5	<0.5	<0.5	1.6	NA	NA	12.69	9.18	3.51	NA
S-14	05/02/1995	210	2,300	1	0.9	1.1	6.3	NA	NA	12.69	9.49	3.20	NA
S-14 (D)	05/02/1995	160	2,600	0.6	0.6	0.7	3.8	NA	NA	12.69	9.49	3.20	NA
S-14	08/24/1995	180	3,700	0.5	<0.5	<0.5	1.3	NA	NA	12.69	9.94	2.75	NA
S-14	12/08/1995	190	4,900	1	<0.5	0.6	4.6	NA	NA	12.69	10.65	2.04	NA
S-14	02/29/1996	200	11,000	<0.5	<0.5	<0.5	2	3	NA	12.69	8.90	3.79	NA

WELL CONCENTRATIONS
Shell-Branded Service Station
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Wic #204-2495-0101

Well ID	Date	TPPH (ug/L)	TEPH (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-14	05/22/1996	93	3,800	<0.5	<0.5	<0.5	1.6	<2.5	NA	12.69	10.10	2.59	NA
S-14 (D)	05/22/1996	150	3,900	<0.5	<0.5	<0.5	1.8	<2.5	NA	12.69	10.10	2.59	NA
S-14	07/30/1996	<50	2,500	<0.5	<0.5	<0.5	0.89	<2.5	NA	12.69	10.37	2.32	NA
S-14	11/11/1996	2,600	27,000	<2.5	<2.5	<2.5	3.9	<12	NA	12.69	10.29	2.40	NA
S-14	11/03/1997	430	1,800	<0.50	<0.50	<0.50	1.7	<2.5	NA	12.69	9.52	3.17	NA
S-14	11/06/1998	Well inaccessible		NA	NA	NA	NA	NA	NA	12.69	NA	NA	NA
S-14	12/07/1999	970	5,920	<0.5	<0.5	0.59	3.5	<2.5	NA	12.69	9.73	2.96	NA

Abbreviations:

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

TEPH = Total petroleum hydrocarbons as diesel 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

WELL CONCENTRATIONS
Shell-Branded Service Station
1800 Powell Street
Emeryville, CA
Wic #204-2495-0101

Well ID	Date	TPPH (ug/L)	TEPH (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.)

Notes:

a = Tar-like substance in well, probably from previous landfill activities; not gasoline

b = Compounds detected within the chromatographic range appear to be weathered diesel

c = Compounds detected within the chromatographic range of gasoline but not characteristic of the standard gasoline pattern

d = The concentrations reported as gasoline for samples S-12 and S-14 are primarily due to the presence of a discrete peak

e = The concentrations reported as diesel for samples S-12, S-13 and S-14 are due to the presence of a combination of diesel and a heavier petroleum produ

f = The result for gasoline is an unknown hydrocarbon which consists of several peaks

g = The positive result appears to be a heavier hydrocarbon than diesel

h = Compounds detected within the chromatographic range of diesel appears to include gasoline compounds

i = The positive result appears to be a heavier hydrocarbon than gasoline

j = No MTBE could be determined due to co-elution with early eluting compounds

Sequoia Analytical

885 Jarvis Drive
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FAX (408) 782-6308

December 22, 1999

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

RE: Equiva 1800 Powell, Emeryville/M912304

Dear Leah Davis

Enclosed are the results of analyses for sample(s) received by the laboratory on December 8, 1999. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kayvan Kimyai
Project Manager D.M.

CA ELAP Certificate Number 1210

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
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FAX (408) 782-6308

Blaine Tech Services (Shell)	Project:	Equiva	Sampled: 12/7/99
1680 Rogers Avenue	Project Number:	1800 Powell,Emeryville	Received: 12/8/99
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 12/22/99

ANALYTICAL REPORT FOR M912304

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
S-8	M912304-01	Water	12/7/99
S-10	M912304-02	Water	12/7/99
S-12	M912304-03	Water	12/7/99
S-13	M912304-04	Water	12/7/99
S-14	M912304-05	Water	12/7/99

Sequoia Analytical

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Blaine Tech Services (Shell)	Project:	Equiva	Sampled: 12/7/99
1680 Rogers Avenue	Project Number:	1800 Powell,Emeryville	Received: 12/8/99
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 12/22/99

Diesel Hydrocarbons (C9-C24) by DHS LUFT
Sequoia Analytical - Morgan Hill

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
S-10			**M912304-02**				**Water**	
Diesel Range Hydrocarbons	9120591	12/17/99	12/20/99		0.0500	**2.23**	mg/l	1
Surrogate: n-Pentacosane	"	"	"	*50.0-150*		*113*	%	
S-12			**M912304-03**				**Water**	
Diesel Range Hydrocarbons	9120591	12/17/99	12/20/99		0.0500	**2.80**	mg/l	2
Surrogate: n-Pentacosane	"	"	"	*50.0-150*		*201*	%	*3*
S-13			**M912304-04**				**Water**	
Diesel Range Hydrocarbons	9120591	12/17/99	12/20/99		0.0500	**1.43**	mg/l	2
Surrogate: n-Pentacosane	"	"	"	*50.0-150*		*140*	%	
S-14			**M912304-05**				**Water**	
Diesel Range Hydrocarbons	9120591	12/17/99	12/21/99		0.100	**5.92**	mg/l	1,D
Surrogate: n-Pentacosane	"	"	"	*50.0-150*		*154*	%	*3,D*

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Blaine Tech Services (Shell)	Project:	Equiva	Sampled: 12/7/99
1680 Rogers Avenue	Project Number:	1800 Powell,Emeryville	Received: 12/8/99
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 12/22/99

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

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
S-8			**M912304-01**				**Water**	
Purgeable Hydrocarbons	9L16004	12/16/99	12/16/99	EPA 8015M/8020	200	**770**	ug/l	D
Benzene	"	"	"	EPA 8015M/8020	2.0	**270**	"	D
Toluene	"	"	"	EPA 8015M/8020	2.0	**16**	"	D
Ethylbenzene	"	"	"	EPA 8015M/8020	2.0	ND	"	D
Xylenes (total)	"	"	"	EPA 8015M/8020	2.0	**33**	"	D
Methyl tert-butyl ether	"	"	"	EPA 8015M/8020	10	**75**	"	D
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70-130*		*110*	%	
S-10			**M912304-02**				**Water**	
Purgeable Hydrocarbons	9L16004	12/16/99	12/16/99	EPA 8015M/8020	250	**400**	ug/l	D
Benzene	"	"	"	EPA 8015M/8020	2.5	**47**	"	D
Toluene	"	"	"	EPA 8015M/8020	2.5	**33**	"	D
Ethylbenzene	"	"	"	EPA 8015M/8020	2.5	**10**	"	D
Xylenes (total)	"	"	"	EPA 8015M/8020	2.5	**29**	"	D
Methyl tert-butyl ether	"	"	"	EPA 8015M/8020	13	**90**	"	D
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70-130*		*110*	%	
S-12			**M912304-03**				**Water**	
Purgeable Hydrocarbons	9L16004	12/16/99	12/16/99	EPA 8015M/8020	500	ND	ug/l	D
Benzene	"	"	"	EPA 8015M/8020	5.0	ND	"	D
Toluene	"	"	"	EPA 8015M/8020	5.0	ND	"	D
Ethylbenzene	"	"	"	EPA 8015M/8020	5.0	ND	"	D
Xylenes (total)	"	"	"	EPA 8015M/8020	5.0	ND	"	D
Methyl tert-butyl ether	"	"	"	EPA 8015M/8020	25	**1900**	"	D
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70-130*		*110*	%	
S-13			**M912304-04**				**Water**	
Purgeable Hydrocarbons	9L15011	12/15/99	12/15/99	EPA 8015M/8020	250	**420**	ug/l	D
Benzene	"	"	"	EPA 8015M/8020	2.5	**15**	"	D
Toluene	"	"	"	EPA 8015M/8020	2.5	**6.2**	"	D
Ethylbenzene	"	"	"	EPA 8015M/8020	2.5	**2.6**	"	D
Xylenes (total)	"	"	"	EPA 8015M/8020	2.5	**15**	"	D
Methyl tert-butyl ether	"	"	"	EPA 8015M/8020	13	**42**	"	D
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70-130*		*90.0*	%	
S-14			**M912304-05**				**Water**	
Purgeable Hydrocarbons	9L16004	12/16/99	12/16/99	EPA 8015M/8020	50	**970**	ug/l	
Benzene	"	"	"	EPA 8015M/8020	0.50	**1.0**	"	
Toluene	"	"	"	EPA 8015M/8020	0.50	**1.1**	"	
Ethylbenzene	"	"	"	EPA 8015M/8020	0.50	**0.59**	"	
Xylenes (total)	"	"	"	EPA 8015M/8020	0.50	**3.5**	"	

Sequoia Analytical

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Blaine Tech Services (Shell)	Project:	Equiva	Sampled: 12/7/99
1680 Rogers Avenue	Project Number:	1800 Powell,Emeryville	Received: 12/8/99
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 12/22/99

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

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
S-14 (continued)			M912304-05				Water	
Methyl tert-butyl ether	9L16004	12/16/99	12/16/99	EPA 8015M/8020	2.5	2.6	ug/l	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70-130*		*86.7*	%	

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Blaine Tech Services (Shell)	Project:	Equiva	Sampled: 12/7/99
1680 Rogers Avenue	Project Number:	1800 Powell,Emeryville	Received: 12/8/99
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 12/22/99

Diesel Hydrocarbons (C9-C24) by DHS LUFT/Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 9120591	**Date Prepared: 12/17/99**					**Extraction Method: EPA 3510B**				
Blank	**9120591-BLK1**									
Diesel Range Hydrocarbons	12/20/99			**ND**	mg/l	**0.0500**				
Surrogate: n-Pentacosane	"	*0.100*		*0.103*	"	*50.0-150*	*103*			
LCS	**9120591-BS1**									
Diesel Range Hydrocarbons	12/20/99	1.00		0.777	mg/l	60.0-140	77.7			
Surrogate: n-Pentacosane	"	*0.100*		*0.0988*	"	*50.0-150*	*98.8*			
LCS Dup	**9120591-BSD1**									
Diesel Range Hydrocarbons	12/20/99	1.00		0.802	mg/l	60.0-140	80.2	50.0	3.17	
Surrogate: n-Pentacosane	"	*0.100*		*0.0982*	"	*50.0-150*	*98.2*			

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Blaine Tech Services (Shell)	Project:	Equiva	Sampled: 12/7/99
1680 Rogers Avenue	Project Number:	1800 Powell,Emeryville	Received: 12/8/99
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 12/22/99

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control
Sequoia Analytical - Walnut Creek

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 9L15011	**Date Prepared: 12/15/99**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**9L15011-BLK1**									
Purgeable Hydrocarbons	12/15/99			ND	ug/l	50				
Benzene	"			ND	"	0.50				
Toluene	"			ND	"	0.50				
Ethylbenzene	"			ND	"	0.50				
Xylenes (total)	"			ND	"	0.50				
Methyl tert-butyl ether	"			ND	"	2.5				
Surrogate: a,a,a-Trifluorotoluene	"	*30.0*		*31.2*	"	*70-130*	*104*			
LCS	**9L15011-BS1**									
Benzene	12/15/99	20.0		19.2	ug/l	70-130	96.0			
Toluene	"	20.0		19.5	"	70-130	97.5			
Ethylbenzene	"	20.0		18.0	"	70-130	90.0			
Xylenes (total)	"	60.0		62.2	"	70-130	104			
Surrogate: a,a,a-Trifluorotoluene	"	*30.0*		*30.2*	"	*70-130*	*101*			
Matrix Spike	**9L15011-MS1**		**W912285-01**							
Benzene	12/15/99	20.0	ND	18.3	ug/l	70-130	**91.5**			
Toluene	"	20.0	ND	18.7	"	70-130	**93.5**			
Ethylbenzene	"	20.0	ND	19.6	"	70-130	**98.0**			
Xylenes (total)	"	60.0	ND	58.7	"	70-130	**97.8**			
Surrogate: a,a,a-Trifluorotoluene	"	*30.0*		*30.7*	"	*70-130*	*102*			
Matrix Spike Dup	**9L15011-MSD1**		**W912285-01**							
Benzene	12/15/99	20.0	ND	19.3	ug/l	70-130	**96.5**	20	**5.32**	
Toluene	"	20.0	ND	19.5	"	70-130	**97.5**	20	**4.19**	
Ethylbenzene	"	20.0	ND	19.7	"	70-130	**98.5**	20	**0.509**	
Xylenes (total)	"	60.0	ND	60.9	"	70-130	**102**	20	**3.68**	
Surrogate: a,a,a-Trifluorotoluene	"	*30.0*		*30.2*	"	*70-130*	*101*			
Batch: 9L16004	**Date Prepared: 12/16/99**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**9L16004-BLK1**									
Purgeable Hydrocarbons	12/16/99			ND	ug/l	50				
Benzene	"			ND	"	0.50				
Toluene	"			ND	"	0.50				
Ethylbenzene	"			ND	"	0.50				
Xylenes (total)	"			ND	"	0.50				
Methyl tert-butyl ether	"			ND	"	2.5				
Surrogate: a,a,a-Trifluorotoluene	"	*30.0*		*36.0*	"	*70-130*	*120*			

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Blaine Tech Services (Shell)	Project:	Equiva	Sampled: 12/7/99
1680 Rogers Avenue	Project Number:	1800 Powell,Emeryville	Received: 12/8/99
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 12/22/99

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control
Sequoia Analytical - Walnut Creek

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
LCS	9L16004-BS1									
Benzene	12/16/99	20.0		19.5	ug/l	70-130	97.5			
Toluene	"	20.0		20.0	"	70-130	100			
Ethylbenzene	"	20.0		20.7	"	70-130	104			
Xylenes (total)	"	60.0		62.1	"	70-130	103			
Surrogate: a,a,a-Trifluorotoluene	"	*30.0*		*30.7*	"	*70-130*	*102*			
Matrix Spike	9L16004-MS1		W912273-05							
Benzene	12/16/99	20.0	ND	20.2	ug/l	70-130	**101**			
Toluene	"	20.0	ND	21.1	"	70-130	**106**			
Ethylbenzene	"	20.0	ND	20.9	"	70-130	**104**			
Xylenes (total)	"	60.0	ND	64.0	"	70-130	**107**			
Surrogate: a,a,a-Trifluorotoluene	"	*30.0*		*31.5*	"	*70-130*	*105*			
Matrix Spike Dup	9L16004-MSD1		W912273-05							
Benzene	12/16/99	20.0	ND	19.9	ug/l	70-130	**99.5**	20	**1.50**	
Toluene	"	20.0	ND	20.3	"	70-130	**101**	20	**3.86**	
Ethylbenzene	"	20.0	ND	20.8	"	70-130	**104**	20	**0.480**	
Xylenes (total)	"	60.0	ND	62.9	"	70-130	**105**	20	**1.73**	
Surrogate: a,a,a-Trifluorotoluene	"	*30.0*		*31.0*	"	*70-130*	*103*			

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1680 Rogers Avenue	Project Number:	1800 Powell,Emeryville	Received: 12/8/99
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 12/22/99

Notes and Definitions

#	Note
D	Data reported from a dilution.
1	Chromatogram Pattern: Weathered Diesel C9-C24
2	Chromatogram Pattern: Unidentified Hydrocarbons C9-C24
3	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample.
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
Recov.	Recovery
RPD	Relative Percent Difference

BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CHAIN OF

CLIENT: Equiva - Karen Petryna

SITE: 1800 Powell
Emeryville, CA

CONDUCT ANALYSIS TO DETECT

LAB: Sequoia | DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
☐ EPA ☐ RWQCB REGION _____
☐ LIA
☐ OTHER

SPECIAL INSTRUCTIONS M912309
Send invoice to Equiva
Incident # 98995349
Send report to Blaine Tech Services, Inc.
ATTN: Ann Pember

SAMPLE I.D.	DATE	TIME	MATRIX S= SOIL W=H_2O	CONTAINERS TOTAL		C = COMPOSITE ALL CONTAINERS	TPH.- gas, BTEX	MTBE by 8020	MTBE by 8260	TPH - diesel	Oxygenates by 8260				ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
S-8	12/7/99	1611	W	3	mix		X	X										01
S-10		1423		5			X	X		X								02
S-12		1445		5			X	X		X								03
S-13		1516		5			X	X		X								04
S-14		1540		5			X	X		X								05
																		06

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY
	12/7/99	1611	matthew Smith

RESULTS NEEDED NO LATER THAN

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
matthew Smith	12/8/99	11:40	Steve Tan	12/8/99	11:40
Steve Tan	12/8/99		TJT (MH)	12.8.99	14:45

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

WELL GAUGING DATA

Project # 991207-K3 Date 12/7/99 Client Shell

Site 1800 Powell St. Emeryville, 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-5	Inaccesible car over well								
S-8	3					10.14	18.80		
S-9			Filled w/Tar						
S-10	Co					7.95	19.71		
S-12	3					8.32	29.40		
S-13	3					9.72	20.21		
S-14	3					9.73	23.78		

SHELL WELL MONITORING DATA SHEET

Project #: 991207-K3	WIC #: 204-2495-D101
Sampler: MATT	Date: 12/7/97
Well I.D.: S-5	Well Diameter: 2 3 4 6 8 ___
Total Well Depth:	Depth to Water:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: ~~PVC~~ Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius^2 * 0.163

Purge Method: Bailer / Middleburg / Electric Submersible / Extraction Pump / Other: _____

Sampling Method: Bailer / Extraction Port / Other: _____

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
	Inaccessible - car over well					

Did well dewater? Yes No	Gallons actually evacuated:
Sampling Time:	Sampling Date:
Sample I.D.:	Laboratory: Sequoia Crosby
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:
Equipment Blank I.D.: @ Time	Duplicate I.D.:
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:
D.O. (if req'd): Pre-purge: ___ mg/L	Post-purge: ___ mg/L

SHELL WELL MONITORING DATA SHEET

Project #: 991207-K3	WIC #: 204-2495-0101
Sampler: MAET	Date: 12/7/99
Well I.D.: S-8	Well Diameter: 2 (3) 4 6 8 ____
Total Well Depth: 18.80	Depth to Water: 10.14
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius^2 * 0.163

Purge Method: (Bailer) Middleburg Electric Submersible Extraction Pump Other: ____

Sampling Method: (Bailer) Extraction Port Other: ____

3.2 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 9.6 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1601	70.2	6.71	4876	113	3.5	
1605	71.2	6.72	4761	93	7	
1609	71.8	6.73	4466	88	10	

Did well dewater? Yes (No)	Gallons actually evacuated: 10
Sampling Time: 1611	Sampling Date: 12/7/99
Sample I.D.: S-8	Laboratory: (Sequoia) Crosby
Analyzed for: (TPH-G) (BTEX) (MTBE) TPH-D	Other:
Equipment Blank I.D.: @ Time	Duplicate I.D.:
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:
D.O. (if req'd): Pre-purge: ____ mg/L	Post-purge: ____ mg/L

SHELL WELL MONITORING DATA SHEET

Project #: 99120723	WIC #: 204-2495-0101
Sampler: MATT	Date: 12/7/99
Well I.D.: S-9	Well Diameter: 2 3 4 6 8 ____
Total Well Depth:	Depth to Water:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius^2 * 0.163

Purge Method: Bailer / Middleburg / Electric Submersible / Extraction Pump / Other: _____

Sampling Method: Bailer / Extraction Port / Other: _____

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
		Tar	filled	well		

Did well dewater? Yes No	Gallons actually evacuated:
Sampling Time:	Sampling Date:
Sample I.D.:	Laboratory: Sequoia Crosby
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:
Equipment Blank I.D.: @ Time	Duplicate I.D.:
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:
D.O. (if req'd): Pre-purge: ____ mg/L	Post-purge: ____ mg/L

SHELL WELL MONITORING DATA SHEET

Project #: 991207-KS	WIC #: 204-2495-0101
Sampler: MAT	Date: 12/7/99
Well I.D.: S-10	Well Diameter: 2 3 4 (6) 8 ____
Total Well Depth: 19.71	Depth to Water: 7.95
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius^2 * 0.163

Purge Method: Bailer / Middleburg / (Electric Submersible) Extraction Pump / Other: ____

Sampling Method: (Bailer) / Extraction Port / Other: ____

17.3 / 5.7 / 51.9

17.3 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 51.9 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1415	68.3	6.28	716	~18	17.5	odor
1417	69.2	6.21	726	13	35	
1420	69.3	6.24	726	11	52	

Did well dewater? Yes (No) Gallons actually evacuated: 52

Sampling Time: 1423 Sampling Date: 12/7/99

Sample I.D.: S-10 Laboratory: (Sequoia) Crosby

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

Equipment Blank I.D.: @ Time Duplicate I.D.:

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

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

SHELL WELL MONITORING DATA SHEET

Project #: 991207-K3	WIC #: 204-2495-0101
Sampler: MATT	Date: 12/7/99
Well I.D.: S-12	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth: 24.40	Depth to Water: 8.32
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius^2 * 0.163

Purge Method: Bailer / Middleburg / (Electric Submersible) Extraction Pump / Other: _____

Sampling Method: (Bailer) / Extraction Port / Other: _____

6 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 18 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1440	68.7	6.56	3966	25	6	odor
1441	70.8	6.50	3101	17	12	↓
1442	69.9	6.54	3623	14	18	↓

Did well dewater? Yes (No)	Gallons actually evacuated: 18
Sampling Time: 1445	Sampling Date: 12/7/99
Sample I.D.: S-12	Laboratory: (Sequoia) Crosby
Analyzed for: (TPH-G) (BTEX) (MTBE) (TPH-D)	Other:
Equipment Blank I.D.: @ Time	Duplicate I.D.:
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:
D.O. (if req'd): Pre-purge: ___ mg/L	Post-purge: ___ mg/L

SHELL WELL MONITORING DATA SHEET

Project #: 991207-K3	WIC #: 204-2495-0101
Sampler: MATT	Date: 12/7/99
Well I.D.: S-13	Well Diameter: 2 (3) 4 6 8 ____
Total Well Depth: 20.21	Depth to Water: 9.72
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius^2 * 0.163

Purge Method: Bailer / Middleburg / (Electric) Submersible / Extraction Pump / Other: _____

Sampling Method: (Bailer) / Extraction Port / Other: _____

3.9 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 11.7 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1510	68.2	6.72	11390	>200	4	odor
1511	69.8	6.66	6515	>200	8	foamy
1512	70.1	6.78	10280	>200	12	↓
1513	70.9	681	10410	>200	16	↓

Did well dewater? Yes (No)	Gallons actually evacuated: 16
Sampling Time: 1516	Sampling Date: 12/7/99
Sample I.D.: S-13	Laboratory: (Sequoia) Crosby
Analyzed for: (TPH-G) ~~BTEX~~ ~~MTBE~~ (TPH-D)	Other:
Equipment Blank I.D.: @ Time	Duplicate I.D.:
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:
D.O. (if req'd): Pre-purge: ____ mg/L	Post-purge: ____ mg/L

SHELL WELL MONITORING DATA SHEET

Project #: 991207-K3	WIC #: 204-2495-0101
Sampler: MATT	Date: 12/7/99
Well I.D.: S-14	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth: 23.78	Depth to Water: 9.73
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius^2 * 0.163

Purge Method: Bailer / Middleburg / (Electric Submersible) Extraction Pump / Other: ___

Sampling Method: (Bailer) / Extraction Port / Other: ___

5.2 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 15.6 Gals. (Calculated Volume)

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1535	66.8	6.68	7754	76	5.5	odor
1536	68.3	6.68	5708	34	11	↓
1537	68.7	6.70	5939	38	16	↓

Did well dewater? Yes (No)	Gallons actually evacuated: 16
Sampling Time: 1540	Sampling Date: 12/7/99
Sample I.D.: S-14	Laboratory: (Sequoia) Crosby
Analyzed for: (TPH-G) (BTEX) (MTBE) (TPH-D)	Other:
Equipment Blank I.D.: @ Time	Duplicate I.D.:
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:
D.O. (if req'd): Pre-purge: ___ mg/L	Post-purge: ___ mg/L