CAMBRIA

ENVIRONMENTAL PROTECTION

00 JAN 24 AM 10: 09

January 13, 2000

Mr. Larry Seto
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

STID 4254

Re: **Fourth Quarter 1999 Monitoring Report**
Former Shell Service Station
461 8th Street
Oakland, California
Incident #97093399
Cambria Project #241-1501-002

Dear Mr. Seto:

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 checked for separate-phase (SPH) and gauged and sampled the site wells. No SPH was detected this quarter. Blaine calculated ground water elevations and compiled the analytical data. Cambria prepared a site location map (Figure 1) and ground water elevation contour map (Figure 2). The Blaine report, presenting the laboratory report and supporting field documents, is presented as Attachment A.

Monitoring Well Purging: Blaine purged 250 gallons of ground water from wells S-5 and S-6 this quarter. Cumulative ground water purge volume and SPH removal volumes are presented in Table 1.

ANTICIPATED FIRST QUARTER 2000 ACTIVITIES

Ground Water Monitoring: Blaine will gauge and sample all wells and tabulate the data. Cambria will prepare a monitoring report.

Monitoring Well Purging: Blaine will purge ground water from wells S-5 and S-6.

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

CLOSING

We appreciate the opportunity to work with you on this project. Please call Troy Buggle at (510) 420-3333 if you have any questions or comments.

Sincerely,

Cambria Environmental Technology, Inc

Troy A. Buggle
Senior Staff Scientist

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

Figure: 1 - Vicinity Map
2 - Ground Water Elevation Contour Map

Table: 1 - Separate-phase Hydrocarbon Recovery

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

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

Rory Campbell, Hanson, Bridgett, Marcus, Vlahos, & Rudy, 333 Market Street, Suite 2300, San Francisco, California 94105-2173

Wells Fargo Bank National Association, Tr. (Property Owners), c/o Pacific Property, 364 Bush Street, San Francisco, CA 94104-2805

R. Casteel & Co., P.O. Box 6839, Moraga, California 94570

Leroy Griffin, City of Oakland Fire Department, 1605 Martin Luther King, Jr. Way, Second Floor, Oakland, CA 94612

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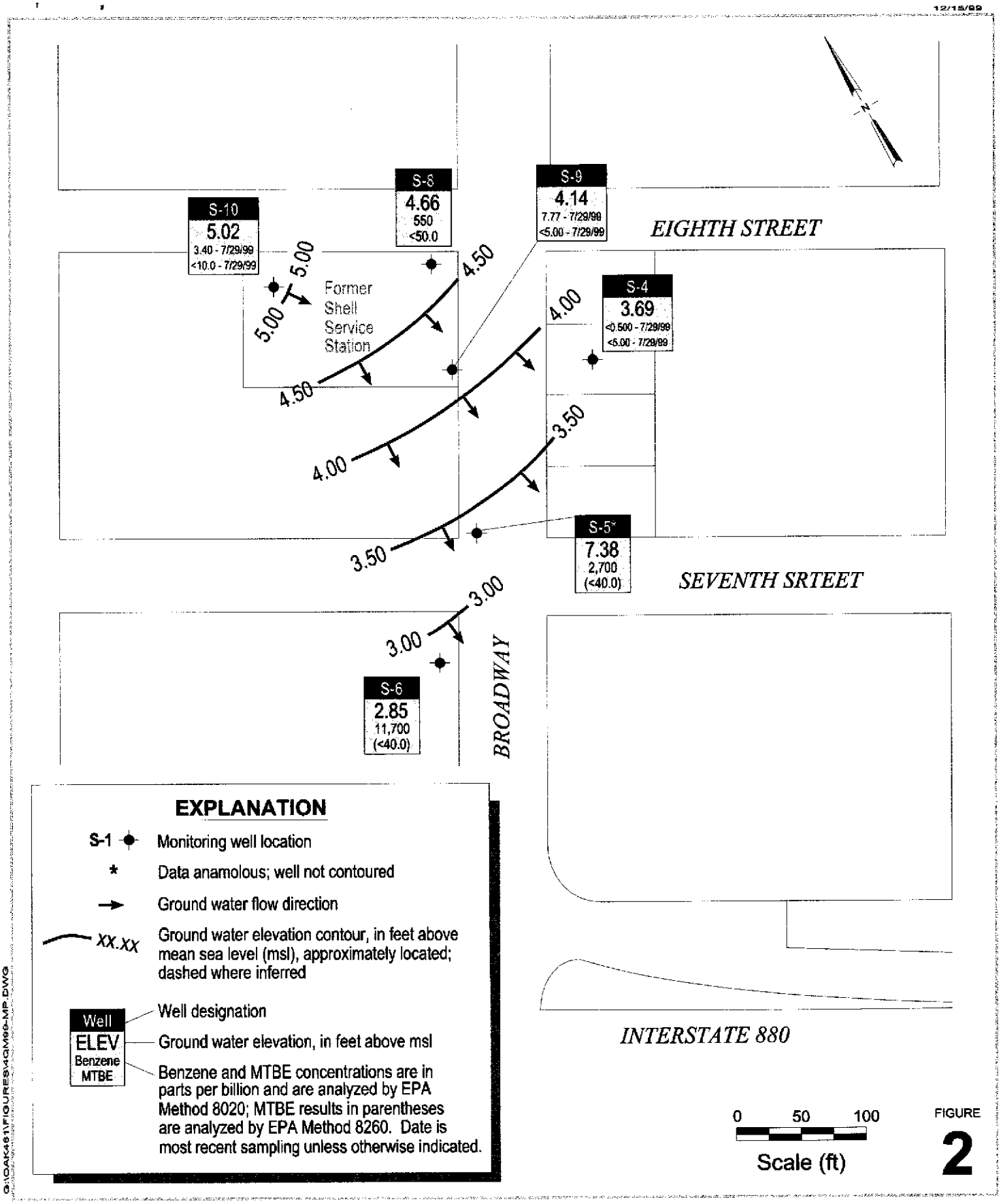

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Former Shell Service Station
461 Eighth Street
Oakland, California
Incident #97093399

CAMBRIA

Ground Water Elevation Contour Map

November 1, 1999

Table 1. **Separate-phase Hydrocarbon Recovery** - Former Shell Station - Incident #97093399 - 461 Eighth Street, Oakland, California

Well	Monitoring Date	Product Thickness (feet)	Volume Removed (gal)	Recovery To Date (gal)
S-5	05/13/93	0.27	0	0
	07/22/93	0.25	200	200
	10/20/93	0.23	200	400
	01/25/94	0.18	150	550
	04/25/94	0.35	36	586
	05/26/94	0.35	130	716
	06/16/94	0.32	50	766
	07/21/94	0.47	50	816
	08/25/94	0.44	80	896
	09/22/94	0.15	45	941
	10/24/94	0.56	40	981
	11/29/94	1.13	85	1066
	12/22/94	0.99	0	1066
	01/03/95	1.21	40	1,106
	02/22/95	0.60	60	1,166
	03/31/95	0.02	40	1,206
	04/20/95	0.33	60	1,266
	05/26/95	0.28	50	1,316
	06/30/95	0.02	60	1,376
	10/04/95	0.00	0	1,376
	01/03/96	0.83	0	1,376
	04/11/96	0.67	0	1,376
	07/11/96	0.90	0	1,376
	10/02/96	0.64	0	1,376
	01/22/97	0.16	0	1,376
	07/21/97	0.05	75	1,451
	10/29/97	0.03	60	1,511
	01/22/98	0.04	60	1,571
	05/01/98	0.06	50	1,621
	07/08/98	0.00	100	1,721
	10/26/98	0.00	100	1,821
	01/28/99	0.00	100	1,921
	04/23/99	0.00	100	2,021
	07/22/99	0.00	0	2,021
	11/01/99	**0.00**	**100**	**2,121**
S-6	05/13/93	0.27	0	0
	07/22/93	0.25	0	0
	10/20/93	0.23	0	0
	01/25/94	0.18	0	0
	04/25/94	0.35	0	0
	05/26/94	0.35	na	0
	06/16/94	0.32	na	0
	07/21/94	0.47	0	0

Table 1. **Separate-phase Hydrocarbon Recovery** - Former Shell Station - Incident #97093399 - 461 Eighth Street, Oakland, California

Well	Monitoring Date	Product Thickness (feet)	Volume Removed (gal)	Recovery To Date (gal)
S-6	08/25/94	0.44	na	0
	09/22/94	0.15	na	0
	10/24/94	0.56	0	0
	11/29/94	1.13	na	0
	12/22/94	0.99	0	0
	01/03/95	1.21	na	0
	02/22/95	0.60	na	0
	03/31/95	0.02	na	0
	04/20/95	0.33	0	0
	05/26/95	0.28	na	0
	06/30/95	0.02	na	0
	10/04/95	0.00	0	0
	01/03/96	0.83	0	0
	04/11/96	0.67	0	0
	07/11/96	0.90	0	0
	10/02/96	0.64	0	0
	01/22/97	0.16	0	0
	07/21/97	0.00	0	0
	10/29/97	0.00	40	40
	01/22/98	0.00	60	100
	05/01/98	0.00	200	300
	07/08/98	0.00	150	450
	10/26/98	0.00	100	550
	01/28/99	0.00	150	700
	04/23/99	0.00	150	850
	07/22/99	0.00	0	850
	11/01/99	**0.00**	**150**	**1,000**
			Total	**3,121**

Notes:

1. "Volume Removed" and "Recovery to Date" refer to the volume of liquid removed by a vacuum truck or submersible pump. This includes ground water and separate-phase hydrocarbons, if present.
2. Product recovery booms were installed from 3Q95 to 4Q96.

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

December 3, 1999

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

Fourth Quarter 1999 Groundwater Monitoring at
Shell-branded Service Station
461 8th Street
Oakland, CA

Monitoring performed on November 1, 1999

Groundwater Monitoring Report **991101-R-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 Martinez Refining Company.

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

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

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

Please call if you have any questions.

Yours truly,

Deidre Kerwin
Operations Manager

DK/ek

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

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

WELL CONCENTRATIONS
Shell-branded Service Station
461 8th Street
Oakland, CA
Wic #204-5508-6200

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOB (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
S-4	10/26/1988	130	3.8	13	4.0	30	NA	NA	93.51 (TOC)	NA	NA	NA
S-4	02/14/1989	<50	0.5	<1	<1	3.0	NA	NA	93.51 (TOC)	12.82	80.69	NA
S-4	05/01/1989	Well dry	NA	NA	NA	NA	NA	NA	93.51 (TOC)	16.48	77.03	NA
S-4	07/27/1989	Well dry	NA	NA	NA	NA	NA	NA	93.51 (TOC)	15.84	77.67	NA
S-4	10/05/1989	Well dry	NA	NA	NA	NA	NA	NA	93.51 (TOC)	15.98	77.53	NA
S-4	01/09/1990	Well dry	NA	NA	NA	NA	NA	NA	93.51 (TOC)	15.86	77.65	NA
S-4	04/30/1990	<50	<0.5	<0.5	<0.5	<1	NA	NA	93.51 (TOC)	14.48	79.03	NA
S-4	07/31/1990	Well dry	NA	NA	NA	NA	NA	NA	93.51 (TOC)	NA	NA	NA
S-4	10/30/1990	Well dry	NA	NA	NA	NA	NA	NA	93.51 (TOC)	NA	NA	NA
S-4	05/06/1991	Well dry	NA	NA	NA	NA	NA	NA	93.51 (TOC)	15.23	78.28	NA
S-4	06/27/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	93.51 (TOC)	13.54	79.97	NA
S-4	09/24/1991	Well dry	NA	NA	NA	NA	NA	NA	93.51 (TOC)	15.85	77.66	NA
S-4	11/07/1991	Well dry	NA	NA	NA	NA	NA	NA	93.51 (TOC)	15.60	77.91	NA
S-4	02/13/1992	<50	<0.5	<0.5	<0.5	3.0	NA	NA	93.51 (TOC)	14.27	79.24	NA
S-4	05/11/1992	Well dry	NA	NA	NA	NA	NA	NA	93.51 (TOC)	NA	NA	NA
S-4	12/03/1992	Well inaccessible		NA	NA	NA	NA	NA	93.51 (TOC)	NA	NA	NA
S-4	05/13/1993	Well inaccessible		NA	NA	NA	NA	NA	93.51 (TOC)	14.81	78.70	NA
S-4	07/22/1993	Well inaccessible		NA	NA	NA	NA	NA	93.51 (TOC)	14.42	79.09	NA
S-4	10/20/1993	Well inaccessible		NA	NA	NA	NA	NA	93.51 (TOC)	NA	NA	NA
S-4	01/25/1994	Well inaccessible		NA	NA	NA	NA	NA	93.51 (TOC)	14.60	78.91	NA
S-4	04/25/1994	Well inaccessible		NA	NA	NA	NA	NA	93.51 (TOC)	14.39	79.12	NA
S-4	07/21/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	93.51 (TOC)	22.29	71.22	NA
S-4	10/24/1994	<500	<0.3	<0.3	<0.3	<0.6	NA	NA	93.51 (TOC)	22.72	70.79	NA
S-4	12/22/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	25.77*	22.25	3.52	NA
S-4	04/20/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	25.77	21.16	4.61	NA

WELL CONCENTRATIONS
Shell-branded Service Station
461 8th Street
Oakland, CA
Wic #204-5508-6200

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOB (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
S-4	10/04/1995	<50	1.2	0.7	<0.5	<0.5	NA	NA	25.77	22.25	3.52	NA
S-4	01/03/1996	<50	0.6	<0.5	<0.5	1.7	NA	NA	25.77	23.28	2.49	NA
S-4	04/11/1996	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	25.77	21.58	4.19	NA
S-4	07/11/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	25.77	21.60	4.17	NA
S-4	10/02/1996	<50	<0.50	<0.50	<0.50	<0.50	2.6	NA	25.77	22.46	3.31	NA
S-4	01/22/1997	<50	0.73	<0.50	<0.50	0.63	<2.5	NA	25.77	20.06	5.71	NA
S-4	07/21/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	25.77	22.10	3.67	NA
S-4	01/22/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	25.77	20.50	5.27	NA
S-4	07/08/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	25.77	20.86	4.91	NA
S-4	10/26/1998	NA	NA	NA	NA	NA	NA	NA	25.77	21.41	4.36	NA
S-4	01/28/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	25.77	22.34	3.43	NA
S-4	04/23/1999	NA	NA	NA	NA	NA	NA	NA	25.77	21.43	4.34	NA
S-4	07/29/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	25.77	21.45	4.32	NA
S-4	11/01/1999	NA	NA	NA	NA	NA	NA	NA	25.77	22.08	3.69	NA
S-5	04/16/1987	130000	15000	16000	NA	14000a	NA	NA	99.36 (TOC)	NA	NA	NA
S-5	10/26/1988	110000	20000	25000	2300	10000	NA	NA	99.36 (TOC)	NA	NA	NA
S-5	02/14/1989	94000	16000	21000	1800	10000	NA	NA	99.36 (TOC)	19.87	79.49	NA
S-5	05/01/1989	120000	29000	35000	3100	15000	NA	NA	99.36 (TOC)	21.23	78.13	NA
S-5	07/27/1989	110000	20000	29000	2400	14000	NA	NA	99.36 (TOC)	20.41	78.95	NA
S-5	10/05/1989	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	20.43	78.94	0.01
S-5	01/09/1990	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.16	78.21	0.01
S-5	04/30/1990	100000	13000	22000	2100	11000	NA	NA	99.36 (TOC)	20.96	78.40	NA
S-5	07/31/1990	53000	8300	14000	1200	7400	NA	NA	99.36 (TOC)	20.88	78.48	NA
S-5	10/30/1990	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.96	77.42	0.03
S-5	05/06/1991	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	23.00	76.46	0.13

WELL CONCENTRATIONS
Shell-branded Service Station
461 8th Street
Oakland, CA
Wic #204-5508-6200

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOB (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
S-5	06/27/1991	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	20.53	78.85	0.03
S-5	09/24/1991	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.40	78.01	0.06
S-5	11/07/1991	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.33	78.23	0.25
S-5	02/13/1992	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.52	77.09	0.31
S-5	05/11/1992	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.46	77.36	0.58
S-5	12/03/1992	Well inaccessible		NA	NA	NA	NA	NA	99.36 (TOC)	NA	NA	NA
S-5	05/13/1993	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.22	77.36	0.27
S-5	07/22/1993	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.68	77.88	0.25
S-5	10/20/1993	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	20.51	79.03	0.23
S-5	01/25/1994	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.93	77.57	0.18
S-5	04/25/1994	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.97	77.67	0.35
S-5	05/26/1994	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	20.84	78.80	0.35
S-5	06/10/1994	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.01	78.61	0.32
S-5	07/21/1994	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.18	77.56	0.47
S-5	08/25/1994	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.01	77.70	0.44
S-5	09/22/1994	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.00	77.48	0.15
S-5	10/24/1994	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.28	77.53	0.56
S-5	12/22/1994	NA	NA	NA	NA	NA	NA	NA	22.94*	22.88	0.85	0.99
S-5	04/20/1995	NA	NA	NA	NA	NA	NA	NA	22.94	21.66	1.54	0.33
S-5	10/04/1995	NA	NA	NA	NA	NA	NA	NA	22.94	22.18	0.76	NA
S-5	01/03/1996	NA	NA	NA	NA	NA	NA	NA	22.94	22.80	0.80	0.83
S-5	04/11/1996	NA	NA	NA	NA	NA	NA	NA	22.94	21.15	2.33	0.67
S-5	07/11/1996	NA	NA	NA	NA	NA	NA	NA	22.94	22.62	1.04	0.90
S-5	10/02/1996	NA	NA	NA	NA	NA	NA	NA	22.94	23.07	0.38	0.64
S-5	01/22/1997	NA	NA	NA	NA	NA	NA	NA	22.94	20.83	2.24	0.16
S-5	07/21/1997	NA	NA	NA	NA	NA	NA	NA	22.94	21.16	1.82	0.05

WELL CONCENTRATIONS
Shell-branded Service Station
461 8th Street
Oakland, CA
Wic #204-5508-6200

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOB (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
S-5	01/22/1998	NA	NA	NA	NA	NA	NA	NA	22.94	20.04	2.93	0.04
S-5	07/08/1998	220	14	40	5.8	34	3.3	NA	22.94	18.61	4.33	NA
S-5	10/26/1998	NA	NA	NA	NA	NA	NA	NA	22.94	17.31	5.63	NA
S-5	01/28/1999	51000	13000	1200	1200	2400	2400	NA	22.94	20.11	2.83	NA
S-5	04/23/1999	65600	2540	7300	1790	9840	<1000	NA	22.94	19.21	3.73	NA
S-5	07/29/1999	61400	3320	6980	1520	7700	<1000	NA	22.94	14.77	8.17	NA
S-5	11/01/1999	48200	2700	5740	1290	7850	<500	<40.0	22.94	15.56	7.38	NA
S-6	04/16/1987	81000	16000	9000	NA	6400a	NA	NA	100.58 (TOC)	NA	NA	NA
S-6	10/26/1988	110000	29000	18000	2500	8200	NA	NA	100.58 (TOC)	NA	NA	NA
S-6	02/14/1989	54000	18000	4500	1400	4000	NA	NA	100.58 (TOC)	20.87	79.71	NA
S-6	05/01/1989	93000	43000	9900	3000	8000	NA	NA	100.58 (TOC)	20.49	80.09	NA
S-6	07/27/1989	52000	20000	3200	1700	5500	NA	NA	100.58 (TOC)	21.01	79.57	NA
S-6	10/05/1989	55000	20000	2900	1600	5500	NA	NA	100.58 (TOC)	21.24	79.34	NA
S-6	01/09/1990	76000	35000	9100	2300	8600	NA	NA	100.58 (TOC)	22.62	77.96	SHEEN
S-6	04/30/1990	39000	13000	2300	900	2800	NA	NA	100.58 (TOC)	22.10	78.48	NA
S-6	07/31/1990	48000	20000	4600	1500	4900	NA	NA	100.58 (TOC)	22.00	78.58	NA
S-6	10/30/1990	27000	7400	900	600	1400	NA	NA	100.58 (TOC)	22.14	78.44	NA
S-6	05/06/1991	35000	3900	2700	2300	3500	NA	NA	100.58 (TOC)	22.40	78.18	NA
S-6	06/27/1991	51000	19000	5600	1700	6300	NA	NA	100.58 (TOC)	21.21	79.37	NA
S-6	09/24/1991	42000	14000	4300	1200	4000	NA	NA	100.58 (TOC)	22.26	78.32	NA
S-6	11/07/1991	39000	11000	2000	800	2300	NA	NA	100.58 (TOC)	22.35	78.23	NA
S-6	02/13/1992	64000	21000	6200	1600	5100	NA	NA	100.58 (TOC)	22.28	78.30	NA
S-6	05/11/1992	57000	22000	7600	2200	7700	NA	NA	100.58 (TOC)	22.10	78.48	NA
S-6	12/03/1992	110000	26000	9400	2100	8700	NA	NA	100.58 (TOC)	22.14	78.44	NA
S-6	05/13/1993	58000	21000	6800	2500	9800	NA	NA	100.58 (TOC)	22.16	78.42	NA

WELL CONCENTRATIONS
Shell-branded Service Station
461 8th Street
Oakland, CA
Wic #204-5508-6200

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOB (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
S-6	07/22/1993	70000	31000	14000	3000	13000	NA	NA	100.58 (TOC)	21.64	78.94	NA
S-6	10/20/1993	48000	28000	9800	3200	12000	NA	NA	100.58 (TOC)	21.62	78.96	NA
S-6	01/25/1994	70000	23000	7500	2500	8000	NA	NA	100.58 (TOC)	21.80	78.78	NA
S-6	04/25/1994	61000	16000	4000	1800	5100	NA	NA	100.58 (TOC)	21.68	78.90	NA
S-6	07/21/1994	44000	8200	3600	1400	3900	NA	NA	100.58 (TOC)	21.78	78.80	NA
S-6 (D)	07/21/1994	32000	7800	3400	1300	3700	NA	NA	22.08	NA	NA	NA
S-6	10/24/1994	2936	1184	440.6	163	648.4	NA	NA	100.58 (TOC)	22.06	78.52	NA
S-6 (D)	10/24/1994	2968	770.8	325.3	144	622	NA	NA	22.08	NA	NA	NA
S-6	12/22/1994	32000	7000	2900	790	2400	NA	NA	22.08*	21.91	0.17	NA
S-6 (D)	12/22/1994	32000	8000	3800	1100	3400	NA	NA	22.08	NA	NA	NA
S-6	04/20/1995	56000	15000	3800	1900	4900	NA	NA	22.08	21.38	0.70	NA
S-6 (D)	04/20/1995	49000	13000	3500	1800	4700	NA	NA	22.08	NA	NA	NA
S-6	10/04/1995	49000	8400	4700	1800	4800	NA	NA	22.08	21.80	0.28	NA
S-6 (D)	10/04/1995	41000	8400	4100	1400	4400	NA	NA	22.08	NA	NA	NA
S-6	01/03/1996	52000	9100	7100	1800	5800	NA	NA	22.08	21.70	0.38	NA
S-6	04/11/1996	59000	11000	7100	2100	6400	<500	NA	22.08	21.62	0.46	NA
S-6 (D)	04/11/1996	59000	11000	6800	1900	6400	<500	NA	22.08	NA	NA	NA
S-6	07/11/1996	72000	18000	6600	2500	8400	<1000	NA	22.08	21.65	2.78	NA
S-6	10/02/1996	57000	11000	6500	1500	5100	<500	NA	22.08	21.80	2.63	NA
S-6	01/22/1997	67000	15000	5000	1800	5400	<1000	NA	22.08	19.95	2.13	NA
S-6 (D)	01/22/1997	63000	15000	4800	1800	5200	<1000	NA	22.08	NA	NA	NA
S-6	07/21/1997	61000	15000	2100	1100	3500	1900	NA	22.08	20.61	1.47	NA
S-6	01/22/1998	46000	14000	3200	1300	3400	<500	NA	22.08	19.82	2.26	NA
S-6	07/08/1998	74000	26000	7500	2200	6200	<1000	NA	22.08	18.20	3.88	NA
S-6	10/26/1998	NA	NA	NA	NA	NA	NA	NA	22.08	18.81	3.27	NA
S-6	01/28/1999	120000	9000	14000	2700	14000	3700	NA	22.08	19.73	2.35	NA

WELL CONCENTRATIONS
Shell-branded Service Station
461 8th Street
Oakland, CA
Wic #204-5508-6200

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOB (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
S-6	04/23/1999	58500	15900	1360	1640	3030	<2500	NA	22.08	17.58	4.50	NA
S-6	07/29/1999	36200	10300	760	930	1360	<1000	NA	22.08	21.35	0.73	NA
S-6	11/01/1999	36000	11700	767	865	1670	<1250	<40.0	22.08	19.23	2.85	NA
S-8	12/22/1994	600	120	32	5.2	34	NA	NA	27.21	24.87	2.34	NA
S-8	04/20/1995	460	180	23	5.2	21	NA	NA	27.21	23.90	3.31	NA
S-8	10/04/1995	830	210	38	11	42	NA	NA	27.21	24.48	2.73	NA
S-8	01/03/1996	350	61	12	2.5	12	NA	NA	27.21	24.62	2.59	NA
S-8 (D)	01/03/1996	340	54	12	2.4	12	NA	NA	27.21	NA	NA	NA
S-8	04/11/1996	570	140	37	12	47	<6.2	NA	27.21	24.32	2.89	NA
S-8	07/11/1996	980	98	32	9.1	160	<12	NA	27.21	24.10	3.11	NA
S-8	10/02/1996	280	62	13	3.3	25	15	NA	27.21	25.38	1.83	NA
S-8 (D)	10/02/1996	490	110	24	7.0	45	22	<2.0	27.21	NA	NA	NA
S-8	01/22/1997	400	90	13	4.9	25	12	NA	27.21	23.91	3.30	NA
S-8	07/21/1997	2900	380	110	26	260	85	NA	27.21	23.62	3.59	NA
S-8 (D)	07/21/1997	3200	420	120	32	300	130	NA	27.21	NA	NA	NA
S-8	01/22/1998	3800	790	140	42	330	160	NA	27.21	23.52	3.69	NA
S-8 (D)	01/22/1998	3500	780	120	33	300	160	NA	27.21	NA	NA	NA
S-8	07/08/1998	3600	1800	<25	<25	<25	<125	NA	27.21	21.52	5.69	NA
S-8 (D)	07/08/1998	4000	1800	<25	<25	31	<125	NA	27.21	NA	NA	NA
S-8	10/26/1998	NA	NA	NA	NA	NA	NA	NA	27.21	22.01	5.20	NA
S-8	01/28/1999	2000	630	6.2	24	51	43	NA	27.21	23.03	4.18	NA
S-8	04/23/1999	1050	408	<5.00	<5.00	6.65	<50.0	NA	27.21	22.15	5.06	NA
S-8	07/29/1999	955	344	<2.50	6.90	16.2	<25.0	NA	27.21	21.95	5.26	NA
S-8	11/01/1999	1800	550	6.45	15.0	40.4	<50.0	NA	27.21	22.55	4.66	NA

WELL CONCENTRATIONS
Shell-branded Service Station
461 8th Street
Oakland, CA
Wic #204-5508-6200

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOB (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
S-9	12/22/1994	2600	400	150	42	310	NA	NA	26.06	24.37	1.69	NA
S-9	04/20/1995	1900	400	130	51	200	NA	NA	26.06	23.49	2.57	NA
S-9	10/04/1995	3200	590	260	68	280	NA	NA	26.06	24.01	2.05	NA
S-9	01/03/1996	Well inaccessible		NA	NA	NA	NA	NA	26.06	NA	NA	NA
S-9	04/11/1996	2100	440	1500	42	210	<25	NA	26.06	23.61	2.45	NA
S-9	07/11/1996	5200	940	450	120	520	<50	NA	26.06	23.78	2.28	NA
S-9 (D)	07/11/1996	4800	890	430	110	500	<50	NA	26.06	NA	NA	NA
S-9	10/02/1996	3000	680	220	56	270	<62	NA	26.06	24.31	1.75	NA
S-9	01/22/1997	1500	230	71	36	130	<12	NA	26.06	23.08	2.98	NA
S-9	07/21/1997	3400	590	57	19	210	96	NA	26.06	22.83	3.23	NA
S-9	01/22/1998	2600	300	46	<10	270	62	NA	26.06	21.96	4.10	NA
S-9	07/08/1998	820	150	6.2	8	57	<10	NA	26.06	20.85	5.21	NA
S-9	10/26/1998	NA	NA	NA	NA	NA	NA	NA	26.06	21.39	4.67	NA
S-9	01/28/1999	<50	1.0	<0.50	<0.50	<0.50	<2.5	NA	26.06	22.32	3.74	NA
S-9	04/23/1999	NA	NA	NA	NA	NA	NA	NA	26.06	21.41	4.65	NA
S-9	07/29/1999	117	7.77	0.817	0.683	5.05	<5.00	NA	26.06	21.25	4.81	NA
S-9	11/01/1999	NA	NA	NA	NA	NA	NA	NA	26.06	21.92	4.14	NA
S-10	12/22/1994	420	27	8.0	18	45	NA	NA	28.04	25.84	2.20	NA
S-10	04/20/1995	820	49	3.7	97	52	NA	NA	28.04	24.92	3.12	NA
S-10	10/04/1995	240	6.5	1.1	16	12	NA	NA	28.04	25.47	2.57	NA
S-10	01/03/1996	1100	27	4.9	110	70	NA	NA	28.04	25.60	2.44	NA
S-10	04/11/1996	530	19	1.6	82	52	<5.0	NA	28.04	25.27	2.77	NA
S-10	07/11/1996	570	16	3.2	53	53	<2.5	NA	28.04	25.46	2.58	NA
S-10	10/02/1996	270	8.2	0.77	24	23	3.3	NA	28.04	25.81	2.23	NA
S-10	01/22/1997	160	4.8	0.73	16	11	<2.5	NA	28.04	24.74	3.30	NA

WELL CONCENTRATIONS
Shell-branded Service Station
461 8th Street
Oakland, CA
Wic #204-5508-6200

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOB (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
S-10	07/21/1997	530	5.7	0.70	29	69	<2.5	NA	28.04	24.50	3.54	NA
S-10	01/22/1998	1500	15	<5.0	88	130	<25	NA	28.04	24.44	3.60	NA
S-10	07/08/1998	530	4.8	1.1	47	51	<2.5	NA	28.04	22.36	5.68	NA
S-10	10/26/1998	NA	NA	NA	NA	NA	NA	NA	28.04	22.81	5.23	NA
S-10	01/28/1999	630	4.6	0.98	<0.50	59	<2.5	NA	28.04	23.82	4.22	NA
S-10	04/23/1999	NA	NA	NA	NA	NA	NA	NA	28.04	22.96	5.08	NA
S-10	07/29/1999	728	3.40	<1.00	41.8	38.0	<10.0	NA	28.04	22.63	5.41	NA
S-10	11/01/1999	NA	NA	NA	NA	NA	NA	NA	28.04	23.02	5.02	NA

WELL CONCENTRATIONS
Shell-branded Service Station
461 8th Street
Oakland, CA
Wic #204-5508-6200

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOB (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)

Abbreviations:

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

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

MTBE = methyl-tertiary-butyl ether

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:

* = Prior to December 22, 1994, well elevations taken from Top of Casing.

a = Ethylbenzene and xylenes combined

Sequoia Analytical

1551 Industrial Road
San Carlos, CA 94070-4111
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FAX (650) 232-9612

November 16, 1999

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

RE: Equiva(2)/L911085

Dear Leah Davis:

Enclosed are the results of analyses for sample(s) received by the laboratory on November 2, 1999. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

for Wayne Stevenson
Project Manager

CA ELAP Certificate Number I-2360

Sequoia Analytical

1551 Industrial Road
San Carlos, CA 94070-4111
(650) 232-9600
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Blaine Tech Services	Project:	Equiva(2)	Sampled: 11/1/99
1680 Rogers Avenue	Project Number:	461 8th St., Oakland/991101-R3	Received: 11/2/99
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 11/16/99

ANALYTICAL REPORT FOR L911085

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
S-5	L911085-01	Water	11/1/99
S-6	L911085-02	Water	11/1/99
S-8	L911085-03	Water	11/1/99

Sequoia Analytical

1551 Industrial Road
San Carlos, CA 94070-4111
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Blaine Tech Services	Project:	Equiva(2)	Sampled: 11/1/99
1680 Rogers Avenue	Project Number:	461 8th St., Oakland/991101-R3	Received: 11/2/99
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 11/16/99

Sample Description: **S-5**
Laboratory Sample Number: **L911085-01**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
Sequoia Analytical - San Carlos								
Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT								
Purgeable Hydrocarbons as Gasoline	9110066	11/11/99	11/11/99		5000	**48200**	ug/l	1
Benzene	"	"	"		50.0	**2700**	"	
Toluene	"	"	"		50.0	**5740**	"	
Ethylbenzene	"	"	"		50.0	**1290**	"	
Xylenes (total)	"	"	"		50.0	**7850**	"	
Methyl tert-butyl ether	"	"	"		500	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*98.2*	%	
MTBE by EPA Method 8260A								
Methyl tert-butyl ether	9110049	11/8/99	11/9/99		40.0	ND	ug/l	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	*76.0-114*		*87.0*	%	

Sequoia Analytical

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San Carlos, CA 94070-4111
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Blaine Tech Services	Project:	Equiva(2)	Sampled: 11/1/99
1680 Rogers Avenue	Project Number:	461 8th St., Oakland/991101-R3	Received: 11/2/99
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 11/16/99

Sample Description: **S-6**
Laboratory Sample Number: **L911085-02**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
Sequoia Analytical - San Carlos								
Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT								
Purgeable Hydrocarbons as Gasoline	9110071	11/12/99	11/12/99		12500	**36000**	ug/l	1
Benzene	"	"	"		125	**11700**	"	
Toluene	"	"	"		125	**767**	"	
Ethylbenzene	"	"	"		125	**865**	"	
Xylenes (total)	"	"	"		125	**1670**	"	
Methyl tert-butyl ether	"	"	"		1250	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*78.0*	%	
MTBE by EPA Method 8260A								
Methyl tert-butyl ether	9110049	11/8/99	11/9/99		40.0	ND	ug/l	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	*76.0-114*		*84.4*	%	

Sequoia Analytical

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Blaine Tech Services	Project:	Equiva(2)	Sampled: 11/1/99
1680 Rogers Avenue	Project Number:	461 8th St., Oakland/991101-R3	Received: 11/2/99
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 11/16/99

Sample Description: **S-8**
Laboratory Sample Number: **L911085-03**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
Sequoia Analytical - San Carlos								
Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT								
Purgeable Hydrocarbons as Gasoline	9110079	11/13/99	11/13/99		500	**1800**	ug/l	1
Benzene	"	"	"		5.00	**550**	"	
Toluene	"	"	"		5.00	**6.45**	"	
Ethylbenzene	"	"	"		5.00	**15.0**	"	
Xylenes (total)	"	"	"		5.00	**40.4**	"	
Methyl tert-butyl ether	"	"	"		50.0	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*90.4*	%	

Sequoia Analytical

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Blaine Tech Services	Project:	Equiva(2)	Sampled: 11/1/99
1680 Rogers Avenue	Project Number:	461 8th St., Oakland/991101-R3	Received: 11/2/99
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 11/16/99

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

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 9110066	**Date Prepared: 11/11/99**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**9110066-BLK1**									
Purgeable Hydrocarbons as Gasoline	11/11/99			**ND**	ug/l	**50.0**				
Benzene	"			**ND**	"	**0.500**				
Toluene	"			**ND**	"	**0.500**				
Ethylbenzene	"			**ND**	"	**0.500**				
Xylenes (total)	"			**ND**	"	**0.500**				
Methyl tert-butyl ether	"			**ND**	"	**5.00**				
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.72*	"	*70.0-130*	*97.2*			
LCS	**9110066-BS1**									
Benzene	11/11/99	10.0		9.39	ug/l	70.0-130	93.9			
Toluene	"	10.0		9.48	"	70.0-130	94.8			
Ethylbenzene	"	10.0		9.86	"	70.0-130	98.6			
Xylenes (total)	"	30.0		29.5	"	70.0-130	98.3			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*8.83*	"	*70.0-130*	*88.3*			
LCS	**9110066-BS2**									
Purgeable Hydrocarbons as Gasoline	11/11/99	250		246	ug/l	70.0-130	98.4			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*8.15*	"	*70.0-130*	*81.5*			
Matrix Spike	**9110066-MS1**		**L910239-06**							
Purgeable Hydrocarbons as Gasoline	11/11/99	250	ND	263	ug/l	60.0-140	**105**			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.47*	"	*70.0-130*	*94.7*			
Matrix Spike Dup	**9110066-MSD1**		**L910239-06**							
Purgeable Hydrocarbons as Gasoline	11/11/99	250	ND	254	ug/l	60.0-140	**102**	25.0	**2.90**	
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*8.93*	"	*70.0-130*	*89.3*			
Batch: 9110071	**Date Prepared: 11/12/99**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**9110071-BLK1**									
Purgeable Hydrocarbons as Gasoline	11/12/99			**ND**	ug/l	**50.0**				
Benzene	"			**ND**	"	**0.500**				
Toluene	"			**ND**	"	**0.500**				
Ethylbenzene	"			**ND**	"	**0.500**				
Xylenes (total)	"			**ND**	"	**0.500**				
Methyl tert-butyl ether	"			**ND**	"	**5.00**				
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*8.73*	"	*70.0-130*	*87.3*			
LCS	**9110071-BS1**									
Benzene	11/12/99	10.0		8.79	ug/l	70.0-130	87.9			
Toluene	"	10.0		8.94	"	70.0-130	89.4			

Sequoia Analytical

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Blaine Tech Services	Project:	Equiva(2)	Sampled: 11/1/99
1680 Rogers Avenue	Project Number:	461 8th St., Oakland/991101-R3	Received: 11/2/99
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 11/16/99

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

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
LCS (continued)	**9110071-BS1**									
Ethylbenzene	11/12/99	10.0		9.22	ug/l	70.0-130	92.2			
Xylenes (total)	"	30.0		27.6	"	70.0-130	92.0			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*8.29*	"	*70.0-130*	*82.9*			
LCS	**9110071-BS2**									
Purgeable Hydrocarbons as Gasoline	11/12/99	250		247	ug/l	70.0-130	98.8			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*7.36*	"	*70.0-130*	*73.6*			
Matrix Spike	**9110071-MS1**		**L911086-13**							
Benzene	11/12/99	10.0	ND	9.60	ug/l	60.0-140	**96.0**			
Toluene	"	10.0	ND	9.86	"	60.0-140	**98.6**			
Ethylbenzene	"	10.0	ND	10.1	"	60.0-140	**101**			
Xylenes (total)	"	30.0	ND	30.0	"	60.0-140	**100**			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.4*	"	*70.0-130*	*104*			
Matrix Spike Dup	**9110071-MSD1**		**L911086-13**							
Benzene	11/12/99	10.0	ND	10.7	ug/l	60.0-140	**107**	25.0	**10.8**	
Toluene	"	10.0	ND	11.3	"	60.0-140	**113**	25.0	**13.6**	
Ethylbenzene	"	10.0	ND	12.4	"	60.0-140	**124**	25.0	**20.4**	
Xylenes (total)	"	30.0	ND	37.5	"	60.0-140	**125**	25.0	**22.2**	
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.63*	"	*70.0-130*	*96.3*			
Batch: 9110079	**Date Prepared: 11/13/99**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**9110079-BLK1**									
Purgeable Hydrocarbons as Gasoline	11/13/99			**ND**	ug/l	**50.0**				
Benzene	"			**ND**	"	**0.500**				
Toluene	"			**ND**	"	**0.500**				
Ethylbenzene	"			**ND**	"	**0.500**				
Xylenes (total)	"			**ND**	"	**0.500**				
Methyl tert-butyl ether	"			**ND**	"	**5.00**				
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.44*	"	*70.0-130*	*94.4*			
LCS	**9110079-BS1**									
Benzene	11/13/99	10.0		8.92	ug/l	70.0-130	89.2			
Toluene	"	10.0		8.99	"	70.0-130	89.9			
Ethylbenzene	"	10.0		9.38	"	70.0-130	93.8			
Xylenes (total)	"	30.0		28.1	"	70.0-130	93.7			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.50*	"	*70.0-130*	*95.0*			
LCS	**9110079-BS2**									
Purgeable Hydrocarbons as Gasoline	11/13/99	250		237	ug/l	70.0-130	94.8			

Sequoia Analytical

1551 Industrial Road
San Carlos, CA 94070-4111
(650) 232-9600
FAX (650) 232-9612

Blaine Tech Services	Project:	Equiva(2)	Sampled: 11/1/99
1680 Rogers Avenue	Project Number:	461 8th St., Oakland/991101-R3	Received: 11/2/99
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 11/16/99

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

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
LCS (continued)	**9110079-BS2**									
Surrogate: a,a,a-Trifluorotoluene	*11/13/99*	*10.0*		*9.04*	*ug/l*	*70.0-130*	*90.4*			
Matrix Spike	**9110079-MS1**		**L911151-10**							
Purgeable Hydrocarbons as Gasoline	11/13/99	250	ND	264	ug/l	60.0-140	**106**			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*8.43*	"	*70.0-130*	*84.3*			
Matrix Spike Dup	**9110079-MSD1**		**L911151-10**							
Purgeable Hydrocarbons as Gasoline	11/13/99	250	ND	266	ug/l	60.0-140	**106**	25.0	**0**	
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.02*	"	*70.0-130*	*90.2*			

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Blaine Tech Services	Project:	Equiva(2)	Sampled: 11/1/99
1680 Rogers Avenue	Project Number:	461 8th St., Oakland/991101-R3	Received: 11/2/99
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 11/16/99

MTBE by EPA Method 8260A/Quality Control
Sequoia Analytical - San Carlos

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 9110049	**Date Prepared: 11/8/99**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**9110049-BLK1**									
Methyl tert-butyl ether	11/8/99			**ND**	ug/l	**2.00**				
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*43.8*	"	*76.0-114*	*87.6*			
Blank	**9110049-BLK2**									
Methyl tert-butyl ether	11/9/99			**ND**	ug/l	**2.00**				
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*43.8*	"	*76.0-114*	*87.6*			
LCS	**9110049-BS1**									
Methyl tert-butyl ether	11/8/99	50.0		43.8	ug/l	70.0-130	87.6			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*44.0*	"	*76.0-114*	*88.0*			
LCS	**9110049-BS2**									
Methyl tert-butyl ether	11/9/99	10.0		41.0	ug/l	70.0-130	82.0			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*45.0*	"	*76.0-114*	*90.0*			
Matrix Spike	**9110049-MS1**		**L911084-02**							
Methyl tert-butyl ether	11/8/99	100	44.7	138	ug/l	60.0-140	**93.3**			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*43.0*	"	*76.0-114*	*86.0*			
Matrix Spike Dup	**9110049-MSD1**		**L911084-02**							
Methyl tert-butyl ether	11/8/99	100	44.7	135	ug/l	60.0-140	**90.3**	25.0	**3.27**	
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*44.2*	"	*76.0-114*	*88.4*			

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Blaine Tech Services	Project:	Equiva(2)	Sampled: 11/1/99
1680 Rogers Avenue	Project Number:	461 8th St., Oakland/991101-R3	Received: 11/2/99
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 11/16/99

Notes and Definitions

#	Note
1	Chromatogram Pattern: Gasoline C6-C12
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
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 991101R-3

CLIENT Equiva - Karen Petryna

SITE 461 8th Street
Oakland, CA
991085

CONDUCT ANALYSIS TO DETECT

LAB Sequoia | DHS #

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

SPECIAL INSTRUCTIONS

Send invoice to Equiva

Incident # 97093399

Sent 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	Highest Hit MTBE		ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
S-5	11/1	14:42	W	3		X	X	X			X					
S-6	11/1	14:19	↓	↓				X			X					
S-8	11/1	14:02	↓	↓		↓	↓				X					

SC

SAMPLING COMPLETED DATE 11/1 TIME

SAMPLING PERFORMED BY

RESULTS NEEDED NO LATER THAN

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
				11-2	10:58
			NTH	11/2/99	12:14
NTH	11/2/99			11/3/99	0900

SHIPPED VIA DATE SENT TIME SENT COOLER #

WELL GAUGING DATA

Project # 99101R-3 Date 11-1-99 Client Shell

Site 461 8th Street 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-4	4					22.08	29.05		
S-5	4	odor				15.56	41.20		
S-6	4	odor				19.23	36.64		
S-8	4	odor				22.55	29.36		
S-9	4					21.92	30.20		
S-10	4					23.02	36.65		

EQUIVA WELL MONITORING DATA SHEET

Project #: 99101R-3	Job # 204-5508-6200
Sampler: G,M	Date: 11-1-99
Well I.D.: S-5	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 41.20	Depth to Water: 15.56
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: ___

Grab Sample

1 Case Volume (Gals.) | Specified Volumes | ___ Gals. Calculated Volume

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
14:40	69.7	6.5	636	94.5	-	cloudy
14:48	70.1	6.6	708	112.6	40	Odor
Dewatered	let	sit for 60 minutes			40	
15:06	68.4	6.6	723	87.2	20	Began purge
15:14	68.1	6.6	707	92.6	Dewatered	

Did well dewater? (Yes) No — Gallons actually evacuated: Approx 100

Sampling Time: 14:42 — Sampling Date: 11-1-99

Sample I.D.: S-5 — Laboratory: (Sequoia) BC Other ___

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

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

EQUIVA WELL MONITORING DATA SHEET

Project #: 99101R-3	Job # 204-5508-6200
Sampler: S, M	Date: 11-1-99
Well I.D.: S-6	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 36.64	Depth to Water: 19.23
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	radius² * 0.163

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

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

Grab Sample = ___ Gals.
1 Case Volume (Gals.) | Specified Volumes | Calculated Volume

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
14:17	70.1	6.6	915	27.3	[redacted]	odor
14:28	70.0	6.5	1008	36.4	50	clear
14:35	68.9	6.5	1100	56.2	50	/
	Dewatered at Approx. →				150	/
					↘	

Did well dewater? Yes (No)	Gallons actually evacuated: 150
Sampling Time: 14:19	Sampling Date: 11-1-99
Sample I.D.: S-6	Laboratory: (Sequoia) BC Other ___
Analyzed for: (TPH-G BTEX MTBE) TPH-D	Other:

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

EQUIVA WELL MONITORING DATA SHEET

Project #: 99101R-3	Job # 204-5508-6200
Sampler: Sim	Date: 11-1-99
Well I.D.: S-8	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 29.35	Depth to Water: 22.55
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.)	Specified Volumes	Calculated Volume
	X Grab Sample	Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
14:00	71.4	6.6	731	31.2	—	Clear
						Mild odor

Did well dewater? Yes No	Gallons actually evacuated: —		
Sampling Time: 14:02	Sampling Date: 11-1-99		
Sample I.D.: S-6	Laboratory: (Sequoia) BC Other___		
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