

C A M B R I A

ENVIRONMENTAL
PROTECTION

September 16, 1999

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

99 SEP 20 PM 4:07

Re: **Second Quarter 1999 Monitoring Report**
Shell-branded Service Station
5251 Hopyard Road
Pleasanton, California
Incident #98995843
Cambria Project #241-0699-002



Dear Mr. Seery:

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.

SECOND QUARTER 1999 ACTIVITIES

Ground Water Monitoring: Blaine Tech Services, Inc. (Blaine) of San Jose, California gauged and sampled the site wells. 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 ACTIVITIES

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

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 Darryk Ataide at (510) 420-3339 if you have any questions or comments.

Sincerely,

Cambria Environmental Technology, Inc



Darryk Ataide, REA I
Project Manager

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

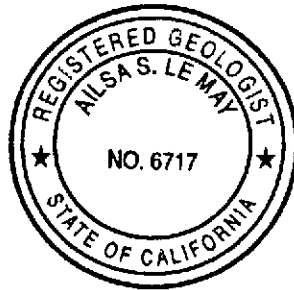


Figure: 1 - Ground Water Elevation Contour Map

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

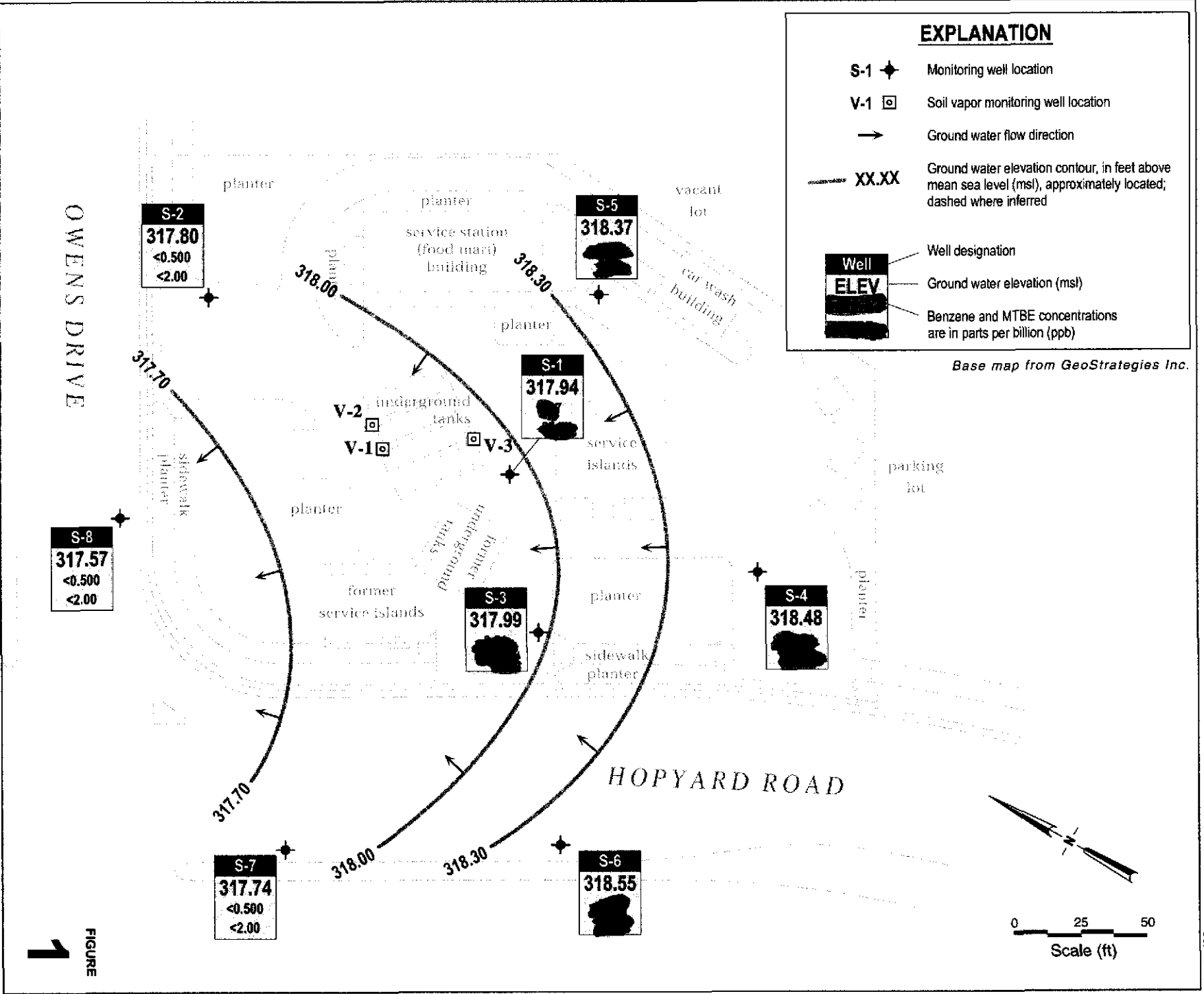
cc: Karen Petryna, Equiva Services LLC, P.O. Box 6249, Carson, California 90749-6249

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Shell-branded Service Station
 5251 Hopyard Road
 Pleasanton, California
 Incident #98995843

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Ground Water Elevation Contours
 June 27, 1999



C A M B R I A



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

July 29, 1999

Karen Petryna
Equiva Services LLC
P.O. Box 6249
Carson, CA 90749-6249

Second Quarter 1999 Groundwater Monitoring at
Shell-branded Service Station
5251 Hopyard Road
Pleasanton, CA

Monitoring performed on June 27, 1999

Groundwater Monitoring Report **990627-F-2**

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, appropriate calculated purge volume (if applicable), elapsed evacuation time (if applicable), total volume of water removed (if applicable), and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater (if applicable) is, likewise, collected and transported to the Martinez Refining Company.

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

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

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

Please call if you have any questions.

Yours truly,

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

Deidre Kerwin
Operations Manager

DK/ew

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
5251 Hopyard Road
Pleasanton, CA
Wic #204-6138-0907

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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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S-1	01/25/1991	2,500	1,500	460	<25	130	36	NA	NA	326.73	NA	NA	NA
S-1	04/06/1991	6,700	2,600a	2,600	14	580	250	NA	NA	326.73	NA	NA	NA
S-1	07/24/1991	8,800	3,800a	2,300	30	640	220	NA	NA	326.73	NA	NA	NA
S-1	10/18/1991	12,000	3,300a	3,600	380	990	580	NA	NA	326.73	8.85	317.88	NA
S-1	01/23/1992	1,600	890	450	3	120	17	NA	NA	326.73	NA	NA	NA
S-1	04/27/1992	1,100g	500a	610	<10	110	10	NA	NA	326.73	NA	NA	NA
S-1	07/21/1992	5,100	290c	1,900	54	460	140	NA	NA	326.73	NA	NA	NA
S-1	10/16/1992	13,000	390c	3,200	310	780	360	NA	NA	326.73	NA	NA	NA
S-1	01/23/1993	2,300	30d	640	<5	110	13	NA	NA	326.73	7.96	318.77	NA
S-1	04/28/1993	4,600	390	780	<0.5	250	<0.5	NA	NA	326.73	9.07	317.66	NA
S-1	09/22/1993	3,000	610a	660	28	160	17	NA	NA	326.73	8.68	318.05	NA
S-1	12/08/1993	520	280	210	<2.5	49	<2.5	NA	NA	326.73	8.23	318.50	NA
S-1	03/04/1994	640	NA	190	1.4	18	1.3	NA	NA	326.73	8.81	317.92	NA
S-1 (D)	03/04/1994	640	NA	180	1.7	17	1.3	NA	NA	326.73	8.81	317.92	NA
S-1	06/16/1994	2,500	NA	390	9.5	31	7.5	NA	NA	326.73	8.80	317.93	NA
S-1 (D)	06/16/1994	2,000	NA	410	7.8	120	20	NA	NA	326.73	8.80	317.93	NA
S-1	09/13/1994	1,400	NA	310	7.7	29	8.5	NA	NA	326.73	8.62	318.11	NA
S-1 (D)	09/13/1994	1,400	NA	240	7.9	44	6.3	NA	NA	326.73	8.62	318.11	NA
S-1	05/05/1995	800	NA	120	3.6	26	2.7	NA	NA	326.73	11.54	315.19	NA
S-1 (D)	05/05/1995	710	NA	110	3.4	19	2.7	NA	NA	326.73	11.54	315.19	NA
S-1	05/21/1996	1,500	NA	170	8.5	120	6.7	NA	NA	326.73	8.88	317.85	NA
S-1	05/12/1997	4,700	NA	200	15	210	20	2,300	NA	326.73	11.19	315.54	2.4
S-1 (D)	05/12/1997	4,800	NA	210	16	190	16	3,200	2,900	326.73	11.19	315.54	2.4
S-1	05/08/1998	500	NA	18	2.1	2.3	2	1,000	NA	326.73	8.38	318.35	2.1
S-1	06/27/1999	2970	NA	117	32.0	69.1	17.5	374	NA	326.73	8.79	317.94	2.4

S-2	01/25/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	326.59	NA	NA	NA
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WELL CONCENTRATIONS
Shell-branded Service Station
5251 Hopyard Road
Pleasanton, CA
Wic #204-6138-0907

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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-2	04/16/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	326.59	NA	NA	NA
S-2	07/24/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	326.59	NA	NA	NA
S-2	10/18/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	326.59	8.83	317.76	NA
S-2	01/23/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	326.59	NA	NA	NA
S-2	04/27/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	326.59	NA	NA	NA
S-2	07/17/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	326.59	NA	NA	NA
S-2	10/16/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	326.59	NA	NA	NA
S-2	01/23/1993	<50	140b	<0.5	<0.5	<0.5	<0.5	NA	NA	326.59	8.10	318.49	NA
S-2	04/28/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	326.59	9.06	317.53	NA
S-2	09/22/1993	NA	NA	NA	NA	NA	NA	NA	NA	326.59	8.91	317.68	NA
S-2	12/08/1993	NA	NA	NA	NA	NA	NA	NA	NA	326.59	9.07	317.52	NA
S-2	03/04/1994	NA	NA	NA	NA	NA	NA	NA	NA	326.59	8.90	317.69	NA
S-2	06/16/1994	NA	NA	NA	NA	NA	NA	NA	NA	326.59	8.98	317.61	NA
S-2	09/13/1994	<50	NA	<0.5	2.5	<0.5	<0.5	NA	NA	326.59	8.78	317.81	NA
S-2	05/05/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	326.59	8.60	317.99	NA
S-2	05/21/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	326.59	8.75	317.84	NA
S-2	05/12/1997	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	326.59	8.72	317.87	3.4
S-2	05/08/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	326.59	8.63	317.96	3.1
S-2	06/27/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.00	NA	326.59	8.79	317.80	2.6
S-3	01/25/1991	870	330	230	<2.5	130	<2.5	NA	NA	327.38	NA	NA	NA
S-3	04/16/1991	190	140a	12	0.8	6.2	1.5	NA	NA	327.38	NA	NA	NA
S-3	07/24/1991	1,700	1,200a	450	4.4	150	2.9	NA	NA	327.38	NA	NA	NA
S-3	10/18/1991	1,900	500	370	3.1	120	220	NA	NA	327.38	9.64	317.74	NA
S-3	01/23/1992	2,000	650a	580	3	200	<0.5	NA	NA	327.38	NA	NA	NA
S-3	04/27/1992	1,100	230a	150	<3	76	14	NA	NA	327.38	NA	NA	NA
S-3	07/17/1992	810	58	200	<2.5	57	3.8	NA	NA	327.38	NA	NA	NA
S-3	10/16/1992	440	190c	79	1.8	18	4.6	NA	NA	327.38	NA	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
5251 Hopyard Road
Pleasanton, CA
Wic #204-6138-0907

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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-3	01/23/1993	670	170d	79	1.5	46	15	NA	NA	327.38	8.81	318.57	NA
S-3	04/28/1993	2,000	<50	300	3.4	210	38	NA	NA	327.38	9.87	317.51	NA
S-3	09/22/1993	4,800	670a	2,000	34	150	51	NA	NA	327.38	9.65	317.73	NA
S-3	12/08/1993	1,200	11	440	<5.0	120	29	NA	NA	327.38	9.26	318.12	NA
S-3	03/04/1994	630	NA	130	<0.5	17	0.8	NA	NA	327.38	9.64	317.74	NA
S-3	06/16/1994	1,800	NA	430	19	35	21	NA	NA	327.38	9.78	317.60	NA
S-3	05/05/1995	160	NA	50	0.9	7.2	4.1	NA	NA	327.38	9.38	318.00	NA
S-3	05/21/1996	270	NA	45	<0.5	1.4	<0.5	NA	NA	327.38	9.41	317.97	NA
S-3 (D)	05/21/1996	210	NA	<0.5	<0.5	0.95	<0.5	NA	NA	327.38	9.41	317.97	NA
S-3	05/12/1997	420	NA	<1.0	<1.0	<1.0	<1.0	57	NA	327.38	9.30	318.08	2.5
S-3	05/08/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	327.38	9.12	318.26	2.2
S-3	06/27/1999	106	NA	8.5	<0.500	<0.500	<0.500	31.0	NA	327.38	9.39	317.99	2.1
S-4	01/25/1991	<50	<50	<0.5	1.5	<0.5	2.8	NA	NA	327.38	NA	NA	NA
S-4	04/16/1991	<50	0.7	<0.5	<0.5	<0.5	<0.5	NA	NA	327.38	NA	NA	NA
S-4	07/24/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	327.38	NA	NA	NA
S-4	10/18/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	327.38	8.82	318.56	NA
S-4	01/23/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	327.38	NA	NA	NA
S-4	04/27/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	327.38	NA	NA	NA
S-4	07/17/1992	<500	74	<0.5	<0.5	<0.5	<0.5	NA	NA	327.38	NA	NA	NA
S-4	10/16/1992	<500	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	327.38	NA	NA	NA
S-4	01/23/1993	<500	94b	<0.5	<0.5	<0.5	<0.5	NA	NA	327.38	8.32	319.06	NA
S-4	04/28/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	327.38	9.76	317.62	NA
S-4	09/22/1993	NA	NA	NA	NA	NA	NA	NA	NA	327.38	9.30	318.08	NA
S-4	12/08/1993	NA	NA	NA	NA	NA	NA	NA	NA	327.38	9.74	317.64	NA
S-4	03/04/1994	NA	NA	NA	NA	NA	NA	NA	NA	327.38	9.60	317.78	NA
S-4	06/16/1994	NA	NA	NA	NA	NA	NA	NA	NA	327.38	9.42	317.96	NA
S-4	05/05/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.38	9.02	318.36	NA

WELL CONCENTRATIONS
Shell-branded Service Station
5251 Hopyard Road
Pleasanton, CA
Wic #204-6138-0907

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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-4	05/21/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.38	9.29	318.09	NA
S-4	05/12/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	140	NA	327.38	7.95	319.43	2.5
S-4	05/08/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	250	NA	327.38	8.96	318.42	2.0
S-4	06/27/1999	303	NA	35.8	24.8	12.4	69.8	106	NA	327.38	8.90	318.48	2.6
S-5	01/25/1991	<50	<50	<0.5	<0.5	<0.5	0.7	NA	NA	327.76	NA	NA	NA
S-5	04/16/1991	<50	<50	<0.5	<0.5	<0.5	0.8	NA	NA	327.76	NA	NA	NA
S-5	07/24/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	327.76	NA	NA	NA
S-5	10/18/1991	120e	<50	4.3	<0.5	1	0.7	NA	NA	327.76	10.00	317.76	NA
S-5	01/23/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	327.76	NA	NA	NA
S-5	04/27/1992	50	<50	<0.5	<0.5	<0.5	0.6	NA	NA	327.76	NA	NA	NA
S-5	07/17/1992	<50	70	<0.5	<0.5	<0.5	<0.5	NA	NA	327.76	NA	NA	NA
S-5	10/16/1992	230	57	13	<0.5	4.9	4.3	NA	NA	327.76	NA	NA	NA
S-5	01/23/1993	<50	150b	<0.5	<0.5	<0.5	<0.5	NA	NA	327.76	8.88	318.88	NA
S-5	04/28/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	327.76	10.20	317.56	NA
S-5	09/22/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	327.76	9.92	317.84	NA
S-5	12/08/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	327.76	10.19	317.57	NA
S-5	03/04/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.76	9.95	317.81	NA
S-5	06/16/1994	<50	NA	0.9	<0.5	<0.5	<0.5	NA	NA	327.76	10.02	317.74	NA
S-5	05/05/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.76	9.58	318.18	NA
S-5	05/21/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.76	9.84	317.92	NA
S-5	05/12/1997	360	NA	3.3	<0.50	17	9.8	130	NA	327.76	9.16	318.60	4.2
S-5	05/08/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	92	NA	327.76	9.25	318.51	3.8
S-5 (D)	05/08/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	100	NA	327.76	9.25	318.51	3.8
S-5	06/27/1999	223	NA	19.7	12.9	8.20	45.8	106	NA	327.76	9.39	318.67	3.0
S-6	01/25/1991	<50	<50	<0.5	1.7	<0.5	2.8	NA	NA	326.56	NA	NA	NA
S-6	04/16/1991	<50	<50	<0.5	<0.5	<0.5	0.6	NA	NA	326.56	NA	NA	NA

WELL CONCENTRATIONS
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5251 Hopyard Road
Pleasanton, CA
Wic #204-6138-0907

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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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S-6	07/24/1991	<50	<50	<0.5	<0.5	<0.5	0.5	NA	NA	326.56	NA	NA	NA
S-6	10/18/1991	<50	<50	<0.5	<0.5	<0.5	0.5	NA	NA	326.56	8.84	317.22	NA
S-6	01/23/1992	<50	<50	<0.5	<0.5	<0.5	0.5	NA	NA	326.56	NA	NA	NA
S-6	04/27/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	326.56	NA	NA	NA
S-6	07/17/1992	400	130	<0.5	<0.5	<0.5	<0.5	NA	NA	326.56	NA	NA	NA
S-6	10/16/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	326.56	NA	NA	NA
S-6	01/23/1993	<50	230b	<0.5	<0.5	<0.5	<0.5	NA	NA	326.56	7.82	318.74	NA
S-6	04/28/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	326.56	9.00	317.56	NA
S-6	09/22/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	326.56	8.61	317.96	NA
S-6	12/08/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	326.56	10.02	316.54	NA
S-6	03/04/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	326.56	8.88	317.68	NA
S-6	06/16/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	326.56	9.04	317.52	NA
S-6	05/05/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	326.56	8.54	318.02	NA
S-6	05/21/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	326.56	8.62	317.94	NA
S-6	05/12/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	326.56	8.60	317.96	2.6
S-6	05/08/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	326.56	7.90	318.66	2.2
S-6	06/27/1999	430	NA	50.1	30.5	15.2	83.5	8.05	NA	326.56	8.01	318.55	2.3

S-7	01/25/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	326.49	NA	NA	NA
S-7	04/16/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	326.49	NA	NA	NA
S-7	07/24/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	326.49	NA	NA	NA
S-7	10/18/1991	<50	140f	<0.5	<0.5	<0.5	<0.5	NA	NA	326.49	8.92	317.57	NA
S-7	01/23/1992	<50	140f	<0.5	<0.5	<0.5	<0.5	NA	NA	326.49	NA	NA	NA
S-7	04/27/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	326.49	NA	NA	NA
S-7	07/17/1992	<50	<50	<0.5	1.8	0.6	4.1	NA	NA	326.49	NA	NA	NA
S-7	10/16/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	326.49	NA	NA	NA
S-7	01/23/1993	<50	110b	<0.5	<0.5	<0.5	<0.5	NA	NA	326.49	8.06	318.43	NA
S-7	04/28/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	326.49	8.94	317.55	NA

WELL CONCENTRATIONS
Shell-branded Service Station
5251 Hopyard Road
Pleasanton, CA
Wic #204-6138-0907

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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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S-7	09/22/1993	NA	NA	NA	NA	NA	NA	NA	NA	326.49	8.57	317.92	NA
S-7	12/08/1993	NA	NA	NA	NA	NA	NA	NA	NA	326.49	9.00	317.49	NA
S-7	03/04/1994	NA	NA	NA	NA	NA	NA	NA	NA	326.49	8.96	317.53	NA
S-7	06/16/1994	NA	NA	NA	NA	NA	NA	NA	NA	326.49	9.12	317.37	NA
S-7	05/05/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	326.49	8.58	317.91	NA
S-7	05/21/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	326.49	8.64	317.85	NA
S-7	05/12/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	326.49	8.74	317.75	2.3
S-7	05/08/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	326.49	8.00	318.49	2.5
S-7	06/27/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.00	NA	326.49	8.75	317.74	2.9

S-8	01/25/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	325.32	NA	NA	NA
S-8	04/16/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	325.32	NA	NA	NA
S-8	07/24/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	325.32	NA	NA	NA
S-8	10/18/1991	<50	360f	<0.5	<0.5	<0.5	<0.5	NA	NA	325.32	7.62	317.70	NA
S-8	01/23/1992	<50	90	<0.5	<0.5	<0.5	<0.5	NA	NA	325.32	NA	NA	NA
S-8	04/27/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	325.32	NA	NA	NA
S-8	07/17/1992	53	<50	<0.5	1	<0.5	1.8	NA	NA	325.32	NA	NA	NA
S-8	10/16/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	325.32	NA	NA	NA
S-8	01/23/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	325.32	7.00	318.32	NA
S-8	04/28/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	325.32	7.77	317.55	NA
S-8	09/22/1993	<50	160	<0.5	<0.5	<0.5	<0.5	NA	NA	325.32	7.67	317.65	NA
S-8	12/08/1993	<50	210	<0.5	<0.5	<0.5	<0.5	NA	NA	325.32	7.76	317.56	NA
S-8	03/04/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	325.32	7.66	317.66	NA
S-8	06/16/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	325.32	7.78	317.54	NA
S-8	05/05/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	325.32	7.42	317.90	NA
S-8	05/21/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	325.32	7.50	317.82	NA
S-8	05/12/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	325.32	7.56	317.76	1.6
S-8	05/08/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	325.32	7.64	317.68	2.0

WELL CONCENTRATIONS
Shell-branded Service Station
5251 Hopyard Road
Pleasanton, CA
Wic #204-6138-0907

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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-8	06/27/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.00	NA	325.32	7.75	317.57	2.3

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

TOC = Top of Wellbox Elevation

SPH = Separate-Phase Hydrocarbons

GW = Groundwater

DO = Dissolved Oxygen

ug/L = parts per billion

msl = Mean sea level

ft = Feet

<n = Below detection limit

D = Duplicate sample

Notes:

a = Compounds detected as TEPH appear to be the less volatile constituents of gasoline.

b = The concentration reported as TEPH primarily due to the presence of a heavier petroleum product.

c = The concentration reported as TEPH due to the presence of a lighter petroleum product.

d = Concentrations reported as diesel includes a heavier petroleum product.

e = Compounds detected within the chromatographic range of TEPH but not characteristic of the standard gasoline pattern.

g = Compounds detected within the chromatographic range of TEPH but not characteristic of the standard diesel pattern.

h = The chromatographic pattern of the purgeable hydrocarbons found in the sample is similar to the pattern of weathered gasoline.



July 12, 1999

Ann Pember
Blaine Tech Services, Inc.
1680 Rogers Ave.
San Jose, CA 95112

RE: Shell Oil Co./P907005

Dear Ann Pember

Enclosed are the results of analyses for sample(s) received by the laboratory on June 28, 1999. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Scott Forbes
Project Manager

CA ELAP Certificate Number I-2374





Blaine Tech Services, Inc. 1680 Rogers Ave. San Jose, CA 95112	Project: Shell Oil Co. Project Number: 5251 Hopyard Rd. Pleasanton Project Manager: Ann Pember	Sampled: 6/27/99 Received: 6/28/99 Reported: 7/12/99
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ANALYTICAL REPORT FOR P907005

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
S-1	P907005-01	Water	6/27/99
S-2	P907005-02	Water	6/27/99
S-3	P907005-03	Water	6/27/99
S-4	P907005-04	Water	6/27/99
S-5	P907005-05	Water	6/27/99
S-6	P907005-06	Water	6/27/99
S-7	P907005-07	Water	6/27/99
S-8	P907005-08	Water	6/27/99





Blaine Tech Services, Inc. 1680 Rogers Ave. San Jose, CA 95112	Project: Shell Oil Co. Project Number: 5251 Hopyard Rd. Pleasanton Project Manager: Ann Pember	Sampled: 6/27/99 Received: 6/28/99 Reported: 7/12/99
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**Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M
 Sequoia Analytical - Petaluma**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
S-1				P907005-01		Water		
Gasoline	9070077	7/6/99	7/6/99		500	2970	ug/l	
Benzene	"	"	"		5.00	117	"	
Toluene	"	"	"		5.00	32.0	"	
Ethylbenzene	"	"	"		5.00	69.1	"	
Xylenes (total)	"	"	"		5.00	17.5	"	
Methyl tert-butyl ether	"	"	"		20.0	374	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	65.0-135		103	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		93.0	"	
S-2				P907005-02		Water		
Gasoline	9070077	7/6/99	7/6/99		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		2.00	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	65.0-135		105	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		94.0	"	
S-3				P907005-03		Water		
Gasoline	9070077	7/6/99	7/6/99		50.0	106	ug/l	
Benzene	"	"	"		0.500	8.51	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		2.00	31.0	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	65.0-135		105	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		94.3	"	
S-4				P907005-04		Water		
Gasoline	9070077	7/6/99	7/6/99		50.0	303	ug/l	
Benzene	"	"	"		0.500	35.8	"	
Toluene	"	"	"		0.500	24.8	"	
Ethylbenzene	"	"	"		0.500	12.4	"	
Xylenes (total)	"	"	"		0.500	69.8	"	
Methyl tert-butyl ether	"	"	"		2.00	106	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	65.0-135		100	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		88.3	"	
S-5				P907005-05		Water		
Gasoline	9070077	7/6/99	7/6/99		50.0	223	ug/l	





Blaine Tech Services, Inc. 1680 Rogers Ave. San Jose, CA 95112	Project: Shell Oil Co. Project Number: 5251 Hopyard Rd. Pleasanton Project Manager: Ann Pember	Sampled: 6/27/99 Received: 6/28/99 Reported: 7/12/99
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**Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M
Sequoia Analytical - Petaluma**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
S-5 (continued)				P907005-05			Water	
Benzene	9070077	7/6/99	7/6/99		0.500	13.7	ug/l	
Toluene	"	"	"		0.500	12.9	"	
Ethylbenzene	"	"	"		0.500	8.20	"	
Xylenes (total)	"	"	"		0.500	45.8	"	
Methyl tert-butyl ether	"	"	"		2.00	106	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	65.0-135		109	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		98.3	"	
S-6				P907005-06			Water	
Gasoline	9070077	7/6/99	7/6/99		50.0	430	ug/l	
Benzene	"	"	"		0.500	50.1	"	
Toluene	"	"	"		0.500	30.5	"	
Ethylbenzene	"	"	"		0.500	15.2	"	
Xylenes (total)	"	"	"		0.500	83.5	"	
Methyl tert-butyl ether	"	"	"		2.00	8.05	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	65.0-135		109	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		100	"	
S-7				P907005-07			Water	
Gasoline	9070077	7/6/99	7/6/99		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		2.00	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	65.0-135		114	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		98.7	"	
S-8				P907005-08			Water	
Gasoline	9070077	7/6/99	7/6/99		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		2.00	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	65.0-135		110	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		98.3	"	





Blaine Tech Services, Inc. 1680 Rogers Ave. San Jose, CA 95112	Project: Shell Oil Co. Project Number: 5251 Hopyard Rd. Pleasanton Project Manager: Ann Pember	Sampled: 6/27/99 Received: 6/28/99 Reported: 7/12/99
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**Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M/Quality Control
 Sequoia Analytical - Petaluma**

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
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Batch: 9070077	Date Prepared: 7/6/99	Extraction Method: EPA 5030 waters								
Blank	9070077-BLK1									
Gasoline	7/6/99			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	"	2.00				
Surrogate: a,a,a-Trifluorotoluene	"	300		319	"	65.0-135	106			
Surrogate: 4-Bromofluorobenzene	"	300		292	"	65.0-135	97.3			

Blank	9070077-BLK2									
Gasoline	7/8/99			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	"	2.00				
Surrogate: a,a,a-Trifluorotoluene	"	300		326	"	65.0-135	109			
Surrogate: 4-Bromofluorobenzene	"	300		286	"	65.0-135	95.3			

LCS	9070077-BS1									
Benzene	7/6/99	100		102	ug/l	65.0-135	102			
Toluene	"	100		100	"	65.0-135	100			
Ethylbenzene	"	100		97.2	"	65.0-135	97.2			
Xylenes (total)	"	300		322	"	65.0-135	107			
Surrogate: a,a,a-Trifluorotoluene	"	300		309	"	65.0-135	103			

LCS	9070077-BS2									
Gasoline	7/8/99	1000		854	ug/l	65.0-135	85.4			
Surrogate: 4-Bromofluorobenzene	"	300		251	"	65.0-135	83.7			

Matrix Spike	9070077-MS1	P906746-01								
Benzene	7/6/99	100	ND	101	ug/l	65.0-135	101			
Toluene	"	100	ND	98.8	"	65.0-135	98.8			
Ethylbenzene	"	100	ND	95.0	"	65.0-135	95.0			
Xylenes (total)	"	300	ND	308	"	65.0-135	103			
Surrogate: a,a,a-Trifluorotoluene	"	300		311	"	65.0-135	104			

Matrix Spike Dup	9070077-MSD1	P906746-01								
Benzene	7/6/99	100	ND	104	ug/l	65.0-135	104	20.0	2.93	
Toluene	"	100	ND	102	"	65.0-135	102	20.0	3.19	





Blaine Tech Services, Inc. 1680 Rogers Ave. San Jose, CA 95112	Project: Shell Oil Co. Project Number: 5251 Hopyard Rd. Pleasanton Project Manager: Ann Pember	Sampled: 6/27/99 Received: 6/28/99 Reported: 7/12/99
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**Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M/Quality Control
Sequoia Analytical - Petaluma**

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
<u>Matrix Spike Dup (continued)</u>	<u>9070077-MSD1</u>	<u>P906746-01</u>								
Ethylbenzene	7/6/99	100	ND	97.7	ug/l	65.0-135	97.7	20.0	2.80	
Xylenes (total)	"	300	ND	316	"	65.0-135	105	20.0	1.92	
Surrogate: a,a,a-Trifluorotoluene	"	300		317	"	65.0-135	106			





Blaine Tech Services, Inc. 1680 Rogers Ave. San Jose, CA 95112	Project: Shell Oil Co. Project Number: 5251 Hopyard Rd. Pleasanton Project Manager: Ann Pember	Sampled: 6/27/99 Received: 6/28/99 Reported: 7/12/99
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Notes and Definitions

#	Note
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.

1880 ROGERS AVENUE
 SAN JOSE, CALIFORNIA 95112-1105
 FAX (408) 573-7771
 PHONE (408) 573-0555

~~P90627~~ P907005

CONDUCT ANALYSIS TO DETECT

CHAIN OF CUSTODY

990627 F2

CLIENT
Equiva - Karen Petryna

SITE
5251 Hopyard Rd.
Pleasanton, CA

SAMPLE I.D.	Date	MATRIX	CONTAINERS	
		S - SOIL W - H ₂ O	TOTAL	VOA'S
S-1	6-27-99	W	3	
S-2	1830			
S-3	1655			
S-4	1722			
S-5	1742			
S-6	1545			
S-7	1602			
S-8	1627			

C - COMPOSITE ALL CONTAINERS	TPH - gas, BTEX & MTBE	MTBE by 8020	MTBE by 8260	TPH-diesel	Oxygenates by 8260	1,2-DCA & EDB by 8010
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LAB SEQUOIA DHS # _____

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND

EPA RWQCB REGION _____

LIA

OTHER

SPECIAL INSTRUCTIONS

Send invoice to Equiva

Incident # 98995842

Send report to Blaine Tech Services

Attn: Ann Pember

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN	
	6-27-99	1830	MIKE STEWART		
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
<i>[Signature]</i>	6-28-99	1340	<i>[Signature]</i>	6/28/99	907
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
<i>[Signature]</i>	6/28/99	1130	<i>[Signature]</i>	6/28/99	1130
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
<i>[Signature]</i>	6/29/99		<i>[Signature]</i>	6-29	1300
SHIPPED VIA	DATE SENT	TIME SENT	COOLER #		
<i>[Signature]</i>	6-29	1300			

COOLER CUSTODY SEALS INTACT NOT INTACT

COOLER TEMPERATURE 0 °C

SHELL WELL MONITORING DATA SHEET

Project #: 990627 FA	WIC #: 204-6138-0907
Sampler: MIKE S.	Date: 6-27-99
Well I.D.: S-1	Well Diameter: 2 (3) 4 6 8
Total Well Depth: 29.79	Depth to Water: 8.79
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC <u>Grade</u>	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: _____

7.7	x	3	=	23.3	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1759	77.9	7.6	1151	189	7.7	ODOR
1801	74.5	7.6	1250	175	16	
1803	73.9	7.6	1207	170	24	

Did well dewater? Yes No Gallons actually evacuated: 24

Sampling Time: 1807 Sampling Date: 6-27-99

Sample I.D.: S-1 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: 2.4 mg/L

SHELL WELL MONITORING DATA SHEET

Project #: 990627 FA	WIC #: 204-6138-0907
Sampler: MIKE S.	Date: 6-27-99
Well I.D.: 5-3	Well Diameter: 2 <u>3</u> 4 6 8
Total Well Depth: 25.01	Depth to Water: 9.39
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC <u>Grade</u>	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: _____

5.7	x	3	=	17.3	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1647	78.2	7.6	2418	7200	5.7	
1648	78.7	7.6	2420	189	11.4	
1649	78.7	7.5	2421	190	18	

Did well dewater? Yes No Gallons actually evacuated: 18

Sampling Time: 1655 Sampling Date: 6-27-99

Sample I.D.: 5-3 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:	2.1	mg/L
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SHELL WELL MONITORING DATA SHEET

Project #: 990627 FA	WIC #: 204-6138-09.07
Sampler: MIKE S.	Date: 6-27-99
Well I.D.: S-4	Well Diameter: 2 ③ 4 6 8
Total Well Depth: 24.37	Depth to Water: 8.90
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC <u>Grade</u>	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: _____

<u>5.7</u>	x	<u>3</u>	=	<u>17.1</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1715	78.4	7.8	1263	83	6	ODM
1716	78.3	7.7	1255	77	12	
1717	78.6	7.7	1257	75	18	

Did well dewater? Yes No Gallons actually evacuated: 18

Sampling Time: 17:22 Sampling Date: 6-27-99

Sample I.D.: S-4 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: 2.6 mg/L

SHELL WELL MONITORING DATA SHEET

Project #: 990527 FA	WIC #: 204-6138-0907
Sampler: MIKE S.	Date: 6-27-99
Well I.D.: S-5	Well Diameter: 2 <u>3</u> 4 6 8
Total Well Depth: 24.67	Depth to Water: 9.39
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC <u>Grade</u>	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: _____

5.6	x	3	=	16.8	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
17:35	76.2	7.5	1012	149	5.6	ODOR
17:36	74.2	7.6	1115	151	12	
17:37	74.9	7.6	1101	150	17	

Did well dewater? Yes No Gallons actually evacuated: 17

Sampling Time: 17:42 Sampling Date: 6-27-99

Sample I.D.: S-5 Laboratory: Sequoia Crosby

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

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

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

D.O. (if req'd): Pre-purge: _____ mg/L Post-purge: 3.0 mg/L

SHELL WELL MONITORING DATA SHEET

Project #: 990627 F2	WIC #: 204-6138-0907
Sampler: MIKE S.	Date: 6-27-99
Well I.D.: 5-6	Well Diameter: 2 (3) 4 6 8
Total Well Depth: 26.25	Depth to Water: 8.01
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: Baile Extraction Port Other: _____

6.7	x	3	=	20.2	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1535	81.4	7.2	1541	7200	6.7	0002
1537	81.2	7.3	1535	7200	13.4	
1538	80.1	7.2	1557	7200	21	

Did well dewater? Yes No Gallons actually evacuated: 21

Sampling Time: 1545 Sampling Date: 6-27-99

Sample I.D.: 5-6 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): 2.3 mg/L

