



ENVIRONMENTAL
PROTECTION
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LOP 413

June 15, 1998

Mr. Alex Perez
Shell Oil Products Company
P.O. Box 8080
Martinez, California 94553

Re: **Quarterly Monitoring Report - Second Quarter 1998**
Shell Service Station
2800 Telegraph Avenue
Oakland, California
WIC #204-5508-2303

Dear Mr. Perez:

This Quarterly Monitoring Report describes the recently completed activities associated with ground water monitoring and sampling at the referenced site (Plates 1 and 2). This report was prepared to meet quarterly reporting guidelines issued by the Regional Water Quality Control Board and the Alameda County Health Care Services Agency.

This document presents the results of activities performed in the second quarter of 1998.

Quarterly Monitoring & Sampling Summary

- Blaine Tech Services, Inc. (Blaine) of San Jose, California measured ground water levels in Wells S-1, S-4 through S-6, S-8, S-10, and SR-1 on April 2, 1998.
- Ground water samples were collected from Well S-8 on April 2, 1998 and were transported to Sequoia Analytical of Redwood City, California for chemical analysis.
- Cambria Environmental Technology, Inc. (Cambria) evaluated water-level measurement data and chemical analytical results and prepared this report, which includes Blaine's ground water monitoring report and a ground water contour/chemical concentration map.
- Ground water flows southwesterly at an approximate hydraulic gradient of 0.016. A ground water contour/chemical concentration map is presented on Plate 2.

CAMBRIA
ENVIRONMENTAL
TECHNOLOGY, INC.
270 PERKINS STREET,
P.O. Box 259
SONOMA,
CA 95476
PH: (707) 935-4850
FAX: (707) 935-6649

- The ground water sample collected from Well S-8 contained TPPH concentrations of 4500 ppb and benzene concentrations of 140 ppb. MTBE was ND at <12 ppb.

Quarterly Sampling

Monitoring Well S-8 was sampled and analyzed for Total Purgeable Petroleum Hydrocarbons quantified as gasoline (TPPH) according to EPA Method 8015 (Modified) and benzene, toluene, ethylbenzene, and xylenes (BTEX) and methyl-tertiary-butyl-ether (MTBE) according to EPA Method 8020.

Field monitoring data and chemical analytical data are summarized in Table 1. Blaine's ground water monitoring report is presented in Appendix A.

Shell Oil Products Company was recently notified that the right of entry agreement allowing access to the property located to the south of the subject site was invalid. Therefore, Wells S-7, S-9, and S-11, located on this property were not monitored this or last quarter.

Monitoring, sampling, and reporting will continue on the established schedule for the next quarter.

If you have any questions regarding the contents of this document, please call.

Sincerely,
Cambria Environmental Technology, Inc.



Thomas Magney
Project Geologist



Diane M. Lundquist, P.E.
Senior Engineer
C46725



Attachments:

Table 1. Well Concentrations

Plate 1. Vicinity Map

Plate 2. Ground Water Contour/Chemical Concentration Map

Appendix A

Blaine Tech Services Inc. - Ground Water Monitoring Report

cc: Ms. Susan L. Hugo, Alameda County Health Care Services Agency
Mr. Murray Kalender, American Real Estate Partners

TABLE 1

WELL CONCENTRATIONS
 Shell Oil Products Company
 2800 Telegraph Avenue
 Oakland, California
 WIC #204-5508-2303

Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	Comments
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S-1	Top of box elevation (ft): 35.31									
04-May-92	9.50	25.81	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
10-Aug-92	10.85	24.46	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
09-Nov-92	10.34	24.97	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
23-Feb-93	7.60	27.71	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
07-Jun-93	8.63	26.68	0.00	<50	2.8	1.3	0.7	3.0	NA	
13-Aug-93	9.20	26.11	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
18-Nov-93	10.58	24.73	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
10-Feb-94	8.41	26.90	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
03-May-94	9.09	26.22	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
01-Aug-94	8.81	26.50	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
08-Nov-94	9.32	25.99	0.00	NA	NA	NA	NA	NA	NA	
03-Feb-95	6.98	28.33	0.00	NA	NA	NA	NA	NA	NA	
02-Aug-95	9.35	25.96	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
02-Feb-96	7.45	27.86	0.00	NA	NA	NA	NA	NA	NA	
04-May-96	8.91	26.40	0.00	NA	NA	NA	NA	NA	NA	
02-Aug-96	9.33	25.98	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	
02-Oct-96	10.11	25.20	0.00	NA	NA	NA	NA	NA	NA	
08-Jan-97	7.93	27.38	0.00	NA	NA	NA	NA	NA	NA	
17-Apr-97	8.94	26.37	0.00	NA	NA	NA	NA	NA	NA	
01-Jul-97	9.55	25.76	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	
07-Oct-97	9.43	25.88	0.00	NA	NA	NA	NA	NA	NA	
07-Jan-98	8.21	27.10	0.00	NA	NA	NA	NA	NA	NA	
02-Apr-98	8.27	27.04	0.00	NA	NA	NA	NA	NA	NA	

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Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	Comments
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S-2		Top of box elevation (ft): 33.91								
04-May-92	9.44	24.47	0.00	1600	190	6.0	240	54	NA	
10-Aug-92	10.73	23.18	0.00	<50	4.1	<0.5	<0.5	<0.5	NA	
11-Sep-92	NA	NA	NA	84	19	0.7	2.2	4.3	NA	
09-Nov-92	10.29	23.62	0.00	NA	NA	NA	NA	NA	NA	
23-Feb-93	9.04	24.87	0.00	16000	1600	480	850	1800	NA	
07-Jun-93	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Destroyed 4/8/93

S-3		Top of box elevation (ft): 33.56								
04-May-92	9.22	24.34	0.00	NA	NA	NA	NA	NA	NA	
10-Aug-92	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Paved Over - Inaccessible

S-4		Top of box elevation (ft): 34.08								
04-May-92	9.96	24.12	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
10-Aug-92	11.32	22.76	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
09-Nov-92	11.29	22.79	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
23-Feb-93	9.82	24.26	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
07-Jun-93	10.51	23.57	0.00	50	9.2	5.5	3.3	14	NA	
13-Aug-93	11.05	23.03	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
18-Nov-93	11.34	22.74	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
10-Feb-94	9.93	24.15	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
03-May-94	10.40	23.68	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
01-Aug-94	10.68	23.40	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
08-Nov-94	9.44	24.64	NA	NA	NA	NA	NA	NA	NA	

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Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	Comments
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03-Feb-95	9.18	24.90	NA	NA	NA	NA	NA	NA	NA	
02-Aug-95	10.62	23.46	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
02-Feb-96	9.23	24.85	0.00	NA	NA	NA	NA	NA	NA	
04-May-96	10.37	23.71	0.00	NA	NA	NA	NA	NA	NA	
02-Aug-96	10.69	23.39	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	
02-Oct-96	10.96	23.12	0.00	NA	NA	NA	NA	NA	NA	
08-Jan-97	9.37	24.71	0.00	NA	NA	NA	NA	NA	NA	
17-Apr-97	10.25	23.83	0.00	NA	NA	NA	NA	NA	NA	
01-Jul-97	10.60	23.48	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	
07-Oct-97	10.52	23.56	0.00	NA	NA	NA	NA	NA	NA	
07-Jan-98	9.79	24.29	0.00	NA	NA	NA	NA	NA	NA	
02-Apr-98	9.56	24.52	0.00	NA	NA	NA	NA	NA	NA	

S-5	Top of box elevation (ft): 33.42									
04-May-92	10.27	23.15	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	NA
10-Aug-92	10.68	22.74	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	NA
09-Nov-92	10.69	22.73	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	NA
23-Feb-93	9.45	23.97	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	NA
07-Jun-93	10.23	23.19	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	NA
13-Aug-93	10.58	22.84	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	NA
18-Nov-93	10.70	22.72	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	NA
10-Feb-94	9.75	23.67	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	NA
03-May-94	10.19	23.23	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	NA
01-Aug-94	10.30	23.12	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	NA

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Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	Comments
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08-Nov-94	9.64	23.78	NA	NA	NA	NA	NA	NA	NA	
03-Feb-95	9.59	23.83	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
02-Aug-95	10.23	23.90	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
02-Feb-96	9.51	23.91	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
04-May-96	10.15	23.27	0.00	NA	NA	NA	NA	NA	NA	
02-Aug-96	10.30	23.12	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	
02-Oct-96	10.54	22.88	0.00	NA	NA	NA	NA	NA	NA	
08-Jan-97	9.56	23.86	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	
17-Apr-97	10.03	23.39	0.00	NA	NA	NA	NA	NA	NA	
01-Jul-97	10.23	23.19	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	
07-Oct-97	10.25	23.17	0.00	NA	NA	NA	NA	NA	NA	
07-Jan-98	9.83	23.59	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	
02-Apr-98	9.73	23.69	0.00	NA	NA	NA	NA	NA	NA	

S-6	Top of box elevation (ft): 32.59									
04-May-92	9.42	23.17	0.00	3100	640	22	23	97	NA	
10-Aug-92	10.40	22.19	0.00	3400	430	27	26	120	NA	
09-Nov-92	10.16	22.43	0.00	2000	320	15	15	100	NA	
23-Feb-93	7.60	24.99	0.00	14000	780	180	380	1300	NA	
07-Jun-93	8.90	23.69	0.00	3900	1400	56	83	210	NA	
13-Aug-93	9.39	23.20	0.00	4000 (a)	890	16	<0.5	41	NA	
18-Nov-93	10.32	22.27	0.00	80	5.0	<0.5	<0.5	<0.5	NA	
10-Feb-94	8.68	23.91	0.00	4100	370	23	21	90	NA	
03-May-94	9.20	23.39	0.00	4700	550	28	85	340	NA	

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01-Aug-94	8.90	23.69	0.00	2900	370	11	11	43	NA	
08-Nov-94	8.32	23.69	0.00	NA	NA	NA	NA	NA	NA	
03-Feb-95	8.04	23.69	0.00	NA	NA	NA	NA	NA	NA	
02-Aug-95	9.26	23.19	0.00	1400	160	<5	<5	<5	NA	
02-Feb-96	7.90	24.69	0.00	NA	NA	NA	NA	NA	NA	
04-May-96	8.98	23.61	0.00	NA	NA	NA	NA	NA	NA	
02-Aug-96	9.34	23.25	0.00	1600	150	9.2	13	23	17	
02-Oct-96	9.96	22.63	0.00	NA	NA	NA	NA	NA	NA	
08-Jan-97	7.38	25.21	0.00	NA	NA	NA	NA	NA	NA	
17-Apr-97	9.16	23.43	0.00	NA	NA	NA	NA	NA	NA	
01-Jul-97	9.60	22.99	0.00	<50	1.5	<0.50	<0.50	<0.50	<2.5	
07-Oct-97	9.64	22.95	0.00	NA	NA	NA	NA	NA	NA	
07-Jan-98	8.34	24.25	0.00	NA	NA	NA	NA	NA	NA	
02-Apr-98	7.93	24.66	0.00	NA	NA	NA	NA	NA	NA	

S-6 (DUP)										
01-Aug-94	NA	NA	NA	2600	340	8.8	7.7	33	NA	
02-Aug-95	NA	NA	NA	1400	170	<5	<5	<5	NA	

S-7										
Top of box elevation (ft): 33.33										
04-May-92	11.21	22.12	0.00	180	1.6	<0.5	1.5	3.0	NA	
10-Aug-92	12.28	21.05	0.00	190	8.0	1.4	4.7	8.5	NA	
09-Nov-92	11.77	21.56	0.00	280	16	4.0	7.8	21	NA	
23-Feb-93	8.86	24.47	0.00	210	13	2.2	5.4	12	NA	

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07-Jun-93	10.58	22.75	0.00	90	1.2	2.5	1.0	<0.5	NA	
13-Aug-93	11.34	21.99	0.00	140	4.0	0.8	<0.5	0.5	NA	
18-Nov-93	12.00	21.33	0.00	440	43	4.9	0.9	4.2	NA	
10-Feb-94	9.88	23.45	0.00	250 (a)	<0.5	<0.5	1.8	<0.5	NA	
03-May-94	10.75	22.58	0.00	130	<0.5	<0.5	<0.5	<0.5	NA	
01-Aug-94	11.05	22.28	0.00	250	4.8	<0.5	<0.5	<0.5	NA	
08-Nov-94	9.64	23.69	NA	NA	NA	NA	NA	NA	NA	
03-Feb-95	8.53	24.80	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
02-Aug-95	11.10	22.23	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
02-Feb-96	8.58	24.75	0.00	480	2.2	2.4	7.9	25	NA	
04-May-96	10.41	22.92	0.00	NA	NA	NA	NA	NA	NA	
02-Aug-96	11.18	22.15	0.00	300	20	2.2	3.8	7.9	21	MTBE by EPA Method 8260: 11 ppb
02-Oct-96	12.12	21.21	0.00	NA	NA	NA	NA	NA	NA	
08-Jan-97	8.23	25.10	0.00	850	16	6.3	20	59	<25	
17-Apr-97	10.75	22.58	0.00	NA	NA	NA	NA	NA	NA	
01-Jul-97	11.40	21.93	0.00	120	2.4	<0.50	2.9	2.6	3.5	
07-Oct-97	11.50	21.83	0.00	NA	NA	NA	NA	NA	NA	
S-7 (DUP)										
02-Aug-96	NA	NA	NA	340	22	2.2	4.4	8.9	20	
08-Jan-97	NA	NA	NA	840	15	<5.0	21	63	25	
01-Jul-97	NA	NA	NA	120	2.4	<0.50	2.9	2.6	<2.5	

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S-8		Top of box elevation (ft): 31.97								
04-May-92	10.29	21.68	0.00	1600	20	420	96	330	NA	
10-Aug-92	11.12	20.85	0.00	1500	19	37	60	250	NA	
09-Nov-92	10.71	21.26	0.00	710	5.7	24	28	120	NA	
23-Feb-93	6.04	25.93	0.00	3800	40	54	68	260	NA	
07-Jun-93	10.06	21.91	0.00	1200	13	19	65	150	NA	
13-Aug-93	10.56	21.41	0.00	1300	21	23	49	250	NA	
18-Nov-93	10.90	21.07	0.00	870	16	5.3	59	230	NA	
10-Feb-94	9.53	22.44	0.00	2400	11	55	120	530	NA	
03-May-94	10.06	21.91	0.00	3100	12	27	130	370	NA	
01-Aug-94	10.32	21.65	0.00	1500	20	18	39	190	NA	
08-Nov-94	9.25	22.72	0.00	2100	22	38	73	390	NA	
03-Feb-95	8.99	22.98	0.00	4800	67	39	130	300	NA	
04-May-95	9.22	22.75	0.00	2600	31	23	71	310	NA	
02-Aug-95	10.36	21.61	0.00	1700	10	9.1	48	210	NA	
02-Nov-95	10.72	21.25	0.00	1200	16	13	72	130	NA	
02-Feb-96	8.92	23.05	0.00	7100	29	140	360	1300	NA	
04-May-96	9.86	22.11	0.00	3500	13	27	110	400	<25	
02-Aug-96	10.30	21.67	0.00	850	9.6	7.4	30	160	11	
02-Oct-96	10.71	21.26	0.00	980	<5.0	11	13	92	<25	
08-Jan-97	8.88	23.09	0.00	6400	88	48	190	500	<100	
17-Apr-97	10.00	21.97	0.00	1700	23	7.4	34	50	74	
01-Jul-97	10.40	21.57	0.00	140	2.8	<0.50	<0.50	0.58	<2.5	
07-Oct-97	10.50	21.47	0.00	300	2.7	0.63	4.6	8.4	<2.5	

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07-Jan-98	9.27	22.70	0.00	110	1.2	<0.50	<0.50	1.6	<2.5	
02-Apr-98	9.31	22.66	0.00	4500	140	77	140	380	<12	

S-8 (DUP)										
10-Feb-94	NA	NA	NA	2400	11	46	100	440	NA	
03-May-94	NA	NA	NA	3000	21	25	120	340	NA	
08-Nov-94	NA	NA	NA	2100	20	31	75	390	NA	
03-Feb-95	NA	NA	NA	3700	53	30	100	240	NA	
04-May-95	NA	NA	NA	3300	38	26	89	390	NA	
02-Aug-95	NA	NA	NA	1200	15	13	70	120	NA	
02-Feb-96	NA	NA	NA	7800	33	160	400	1500	NA	
04-May-96	NA	NA	NA	5100	19	37	190	690	<25	
02-Oct-96	NA	NA	NA	1300	<5.0	10	28	180	<25	
17-Apr-97	NA	NA	NA	1600	25	7.4	30	43	34	
07-Jan-98	NA	NA	NA	150	1.8	0.57	<0.50	2.2	<2.5	

S-9										
Top of box elevation (ft): 31.86										
04-May-92	10.45	21.41	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
10-Aug-92	11.52	20.34	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
09-Nov-92	11.02	20.84	0.00	<50	<0.5	<0.5	<0.5	0.7	NA	
23-Feb-93	8.00	23.86	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
07-Jun-93	10.07	21.79	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
13-Aug-93	10.92	20.94	0.00	140 (b)	<0.5	<0.5	<0.5	<0.5	NA	
18-Nov-93	11.19	20.67	0.00	170	<0.5	<0.5	<0.5	<0.5	NA	

TABLE 1

WELL CONCENTRATIONS
 Shell Oil Products Company
 2800 Telegraph Avenue
 Oakland, California
 WIC #204-5508-2303

Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	Comments
----------------	------------------------------	------------------------------	------------	----------------	-------------	-------------	-------------	-------------	----------------	----------

10-Feb-94	9.16	22.70	0.00	140 (b)	<0.5	<0.5	<0.5	<0.5	NA	
03-May-94	10.03	21.83	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
01-Aug-94	10.52	21.34	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
08-Nov-94	9.08	22.78	0.00	NA	NA	NA	NA	NA	NA	
03-Feb-95	8.37	23.49	0.00	NA	NA	NA	NA	NA	NA	
02-Aug-95	9.35	22.51	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
02-Feb-96	7.53	24.33	0.00	NA	NA	NA	NA	NA	NA	
04-May-96	9.60	22.26	0.00	NA	NA	NA	NA	NA	NA	
02-Aug-96	10.46	21.40	0.00	<50	<0.50	<0.50	<0.50	<0.50	12	
02-Oct-96	10.66	21.20	0.00	NA	NA	NA	NA	NA	NA	
08-Jan-97	7.20	24.66	0.00	NA	NA	NA	NA	NA	NA	
17-Apr-97	9.96	21.90	0.00	NA	NA	NA	NA	NA	NA	
01-Jul-97	10.64	21.22	0.00	<50	<0.50	<0.50	<0.50	<0.50	3.9	
07-Oct-97	10.63	21.23	0.00	NA	NA	NA	NA	NA	NA	

S-10	Top of box elevation (ft): 32.95									
04-May-92	8.54	24.41	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
10-Aug-92	10.43	22.52	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
09-Nov-92	9.14	23.81	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
23-Feb-93	6.72	26.23	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
07-Jun-93	8.08	24.87	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
13-Aug-93	8.83	24.12	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
18-Nov-93	9.46	23.49	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
10-Feb-94	7.41	25.54	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	

TABLE 1

WELL CONCENTRATIONS
Shell Oil Products Company
2800 Telegraph Avenue
Oakland, California
WIC #204-5508-2303

Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	Comments
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03-May-94	8.16	24.79	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
01-Aug-94	8.29	24.66	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
08-Nov-94	7.02	25.93	0.00	NA	NA	NA	NA	NA	NA	
03-Feb-95	6.79	26.16	0.00	NA	NA	NA	NA	NA	NA	
02-Aug-95	8.30	24.65	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
02-Feb-96	6.49	26.46	0.00	NA	NA	NA	NA	NA	NA	
04-May-96	7.55	25.40	0.00	NA	NA	NA	NA	NA	NA	
02-Aug-96	9.25	23.70	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	
02-Oct-96	10.54	22.41	0.00	NA	NA	NA	NA	NA	NA	
08-Jan-97	6.47	26.48	0.00	NA	NA	NA	NA	NA	NA	
17-Apr-97	7.78	25.17	0.00	NA	NA	NA	NA	NA	NA	
01-Jul-97	8.83	24.12	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	
07-Oct-97	8.89	24.06	0.00	NA	NA	NA	NA	NA	NA	
07-Jan-98	6.97	25.98	0.00	NA	NA	NA	NA	NA	NA	
02-Apr-98	6.96	25.99	0.00	NA	NA	NA	NA	NA	NA	

S-11	Top of box elevation (ft): 30.78									
04-May-92	9.99	20.79	0.00	1500	55	32	57	190	NA	
10-Aug-92	10.92	19.86	0.00	750	29	13	43	120	NA	
09-Nov-92	10.44	20.34	0.00	4100	32	62	120	1100	NA	
23-Feb-93	7.30	23.48	0.00	760	15	13	37	140	NA	
07-Jun-93	9.51	21.27	0.00	1700	40	16	100	360	NA	
13-Aug-93	10.39	20.39	0.00	60	0.9	<0.5	0.8	1.2	NA	
18-Nov-93	10.64	20.14	0.00	150	7.8	1.0	9.0	12	NA	

TABLE 1

WELL CONCENTRATIONS
 Shell Oil Products Company
 2800 Telegraph Avenue
 Oakland, California
 WIC #204-5508-2303

Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	Comments
-------------	------------------------	------------------------	---------	-------------	----------	----------	----------	----------	-------------	----------

10-Feb-94	8.50	22.28	0.00	4400	53	19	160	390	NA	
03-May-94	9.42	21.36	0.00	65	1.5	<0.5	0.53	0.59	NA	
01-Aug-94	10.12	20.66	0.00	240	18	6.7	6.9	18	NA	
08-Nov-94	8.84	21.94	0.00	490	14	5.2	15	47	NA	
03-Feb-95	7.12	23.66	0.00	380	4.1	0.9	1.4	5.1	NA	
04-May-95	7.96	22.82	0.00	110	1.3	<0.5	1.1	1.8	NA	
02-Aug-95	9.88	20.90	0.00	230	22	11	13	35	NA	
02-Nov-95	10.10	20.68	0.00	200	26	10	10	30	NA	
02-Feb-96	7.33	23.45	0.00	110	2.9	1.0	2.6	6.5	NA	
04-May-96	8.62	22.16	0.00	<50	0.70	0.54	0.82	2.6	7.5	
02-Aug-96	9.85	20.93	0.00	200	11	4.6	12	38	10	
02-Oct-96	11.00	19.78	0.00	290	20	6.2	16	48	8.4	
08-Jan-97	6.20	24.58	0.00	56	2.0	<0.50	1.0	5.8	5.2	
17-Apr-97	8.81	21.97	0.00	<50	0.88	<0.50	<0.50	<0.50	3.2	
01-Jul-97	10.47	20.31	0.00	610	50	5.9	24	110	3.1	
07-Oct-97	10.32	20.46	0.00	440	43	3.0	13	110	4.9	

S-11 (DUP)										
07-Jun-93	NA	NA	NA	1600	51	16	83	300	NA	
13-Aug-93	NA	NA	NA	70	2.1	<0.5	0.9	2.1	NA	
07-Oct-97	NA	NA	NA	360	39	2.0	7.2	74	4.9	

SR-1										
Top of box elevation (ft): not surveyed										
04-May-92	9.02	NA	0.00	NA	NA	NA	NA	NA	NA	

TABLE 1

WELL CONCENTRATIONS
Shell Oil Products Company
2800 Telegraph Avenue
Oakland, California
WIC #204-5508-2303

Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	Comments
10-Aug-92	10.29	NA	0.00	NA	NA	NA	NA	NA	NA	
09-Nov-92	10.92	NA	0.00	NA	NA	NA	NA	NA	NA	
22-Feb-93	6.64	NA	0.00	NA	NA	NA	NA	NA	NA	
07-Jun-93	7.36	NA	0.00	NA	NA	NA	NA	NA	NA	
13-Aug-93	7.96	NA	0.00	NA	NA	NA	NA	NA	NA	
18-Nov-93	10.02	NA	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
10-Feb-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	
03-May-94	8.28	NA	0.00	NA	NA	NA	NA	NA	NA	
01-Aug-94	7.98	NA	0.00	NA	NA	NA	NA	NA	NA	
08-Nov-94	7.75	NA	0.00	NA	NA	NA	NA	NA	NA	
03-Feb-95	7.20	NA	0.00	NA	NA	NA	NA	NA	NA	
04-May-95	4.10	NA	0.00	NA	NA	NA	NA	NA	NA	
02-Aug-95	5.31	NA	0.00	NA	NA	NA	NA	NA	NA	
02-Nov-95	10.62	NA	0.00	NA	NA	NA	NA	NA	NA	
02-Feb-96	7.30	NA	0.00	90 (d)	6.1	6.7	2.8	8.5	NA	
04-May-96	8.10	NA	0.00	NA	NA	NA	NA	NA	NA	
02-Aug-96	8.10	NA	0.00	NA	NA	NA	NA	NA	NA	
02-Oct-96	9.25	NA	0.00	NA	NA	NA	NA	NA	NA	
08-Jan-97	7.18	NA	0.00	NA	NA	NA	NA	NA	NA	
17-Apr-97	6.01	NA	0.00	NA	NA	NA	NA	NA	NA	
01-Jul-97	8.36	NA	0.00	NA	NA	NA	NA	NA	NA	
07-Oct-97	9.22	NA	0.00	NA	NA	NA	NA	NA	NA	
07-Jan-98	7.45	NA	0.00	NA	NA	NA	NA	NA	NA	
02-Apr-98	7.43	NA	0.00	NA	NA	NA	NA	NA	NA	

TABLE 1

**WELL CONCENTRATIONS
Shell Oil Products Company
2800 Telegraph Avenue
Oakland, California
WIC #204-5508-2303**

Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	Comments
----------------	------------------------------	------------------------------	------------	----------------	-------------	-------------	-------------	-------------	----------------	----------

SR-1 (DUP)										
18-Nov-93	NA	NA	NA	<50	<0.5	<0.5	<0.5	<0.5	NA	

Abbreviations:

TPPH = Total Purgeable Petroleum Hydrocarbons carbon range C6 to C12 by Modified EPA Method 8015
(previously reported as Total Petroleum Hydrocarbons as Gasoline)

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

MTBE = methyl-tertiary-butyl-ether by EPA Method 8020

<x = Not detected at detection limit of x

NA = Not analyzed or not available

(DUP) = Duplicate sample

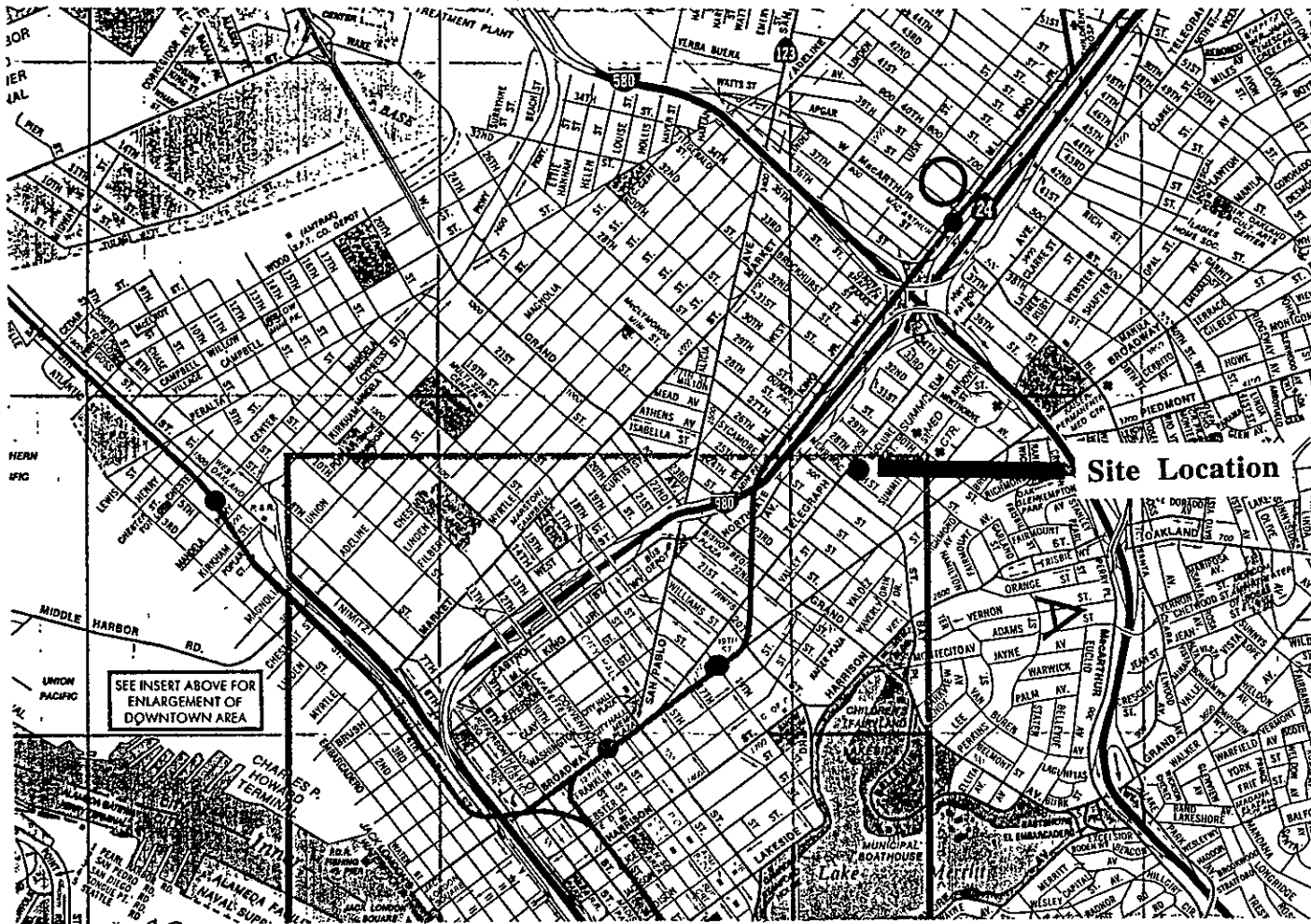
Notes:

a = The concentration reported as gasoline is primarily due to the presence of a combination of gasoline and a discrete peak not indicative of gasoline.

b = Well inaccessible since August 1992

c = The concentration reported as gasoline is primarily due to the presence of a discrete peak not indicative of gasoline.

Elevations referenced to Mean Sea Level



Note: Vicinity Map taken from California State-AAA map.

PLATE

1

SITE VICINITY MAP
 Former Shell Service Station
 2800 Telegraph Avenue
 Oakland, California

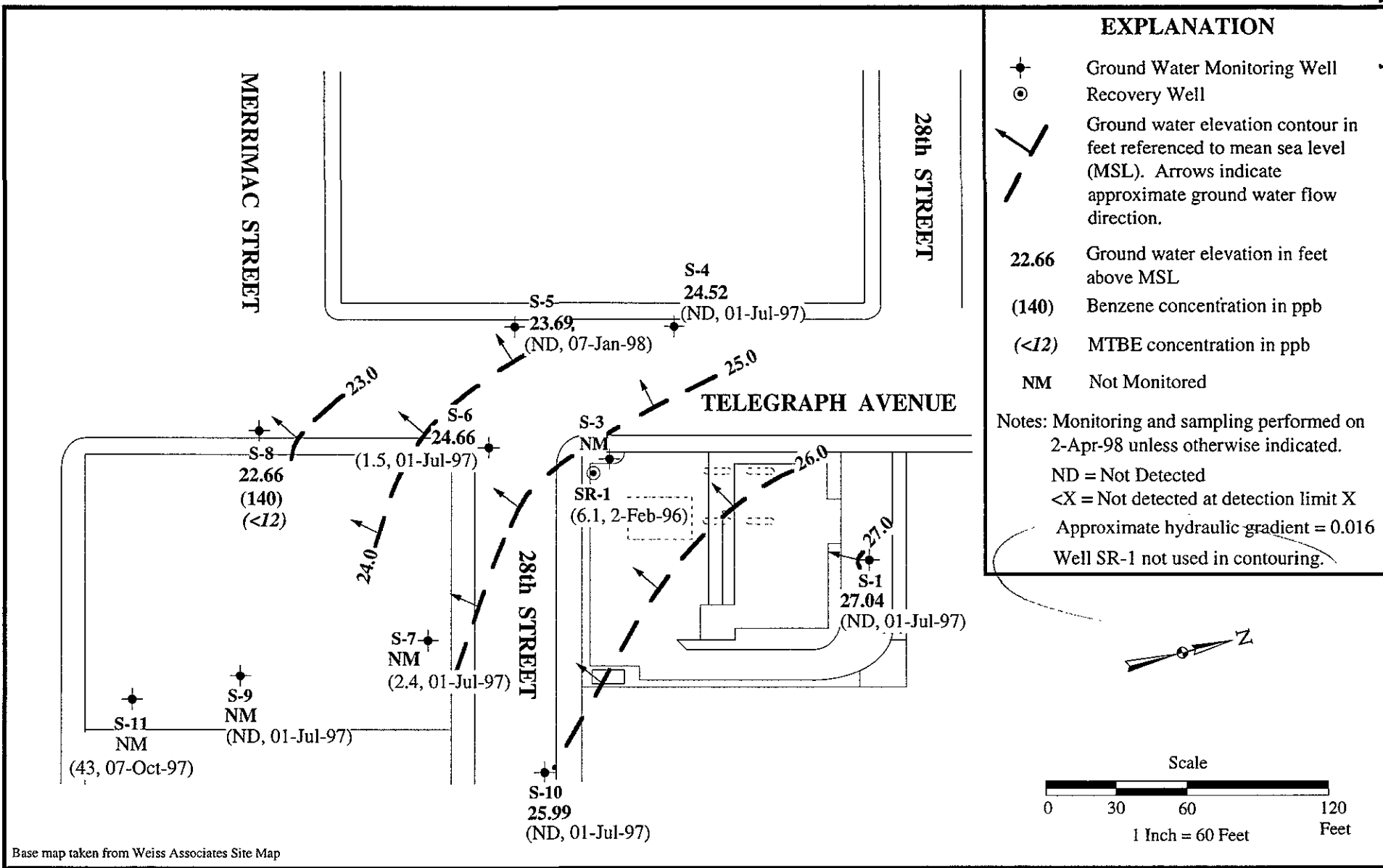
CAMBRIA
 290

Drawn By: JLP

Date: 5-15-95

Approved By: *[Signature]*

Date: 6-16-98



Base map taken from Weiss Associates Site Map

PLATE

2

GROUND WATER CONTOUR/CHEMICAL CONCENTRATION MAP

Former Shell Service Station
 2800 Telegraph Avenue
 Oakland, California

CAMBRIA

290

Drawn By: TNM

Date: 12-Jun-98

Approved By: *[Signature]*

Date: 6-15-98

Appendix A

**Blaine Tech Services Inc.
Ground Water Monitoring Report**

BLAINE
TECH SERVICES INC.

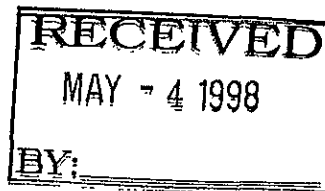
1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112
(408) 573-7771 FAX
(408) 573-0555 PHONE



Shell Oil Company
P.O. Box 8080
Martinez, CA 94553

Attn: Alex Perez

April 30, 1998



Shell WIC #204-5508-2303
2800 Telegraph Avenue
Oakland, California

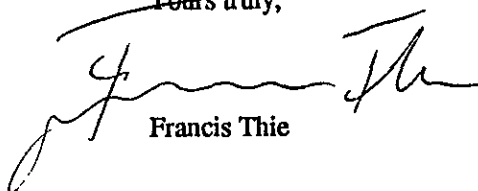
2nd Quarter 1998

Groundwater Monitoring Report 980402-K-3

Blaine Tech Services, Inc. performs environmental sampling and documentation as an independent third party. Copies of our Sampling Report along with the laboratory's Certified Analytical Report are forwarded to the consultant overseeing work at this site. Submission of the assembled documents to interested regulatory agencies will be made by the designated consultant.

Groundwater monitoring at this site was performed in accordance with Standard Operating Procedures provided to the interested regulatory agencies. If you have any questions about the work performed at this site please call me at (408) 573-0555 ext. 201.

Yours truly,



Francis Thie

attachments: Table of Well Gauging Data
Chain of Custody
Field Data Sheets
Certified Analytical Report

cc: Cambria Environmental Technology, Inc.
P.O. Box 259
Sonoma, CA 95476-0259
Attn: Joe Neely

(Any professional evaluations or recommendations will be made by the consultant under separate cover.)

TABLE OF WELL GAUGING DATA

WELL I.D.	DATA COLLECTION DATE	MEASUREMENT REFERENCED TO	QUALITATIVE OBSERVATIONS (sheen)	DEPTH TO FIRST IMMISCIBLES LIQUID (FPZ) (feet)	THICKNESS OF IMMISCIBLES LIQUID ZONE (feet)	VOLUME OF IMMISCIBLES REMOVED (ml)	DEPTH TO WATER (feet)	DEPTH TO WELL BOTTOM (feet)
S-1	04/02/98	TOB	—	NONE	--	--	8.27	27.55
S-4	04/02/98	TOB	—	NONE	—	—	9.56	30.19
S-5	04/02/98	TOB	—	NONE	—	—	9.73	30.51
S-6	04/02/98	TOB	—	NONE	—	—	7.93	22.13
S-8	04/02/98	TOB	—	NONE	—	—	9.31	19.15
S-10	04/02/98	TOB	—	NONE	—	—	6.96	24.19
SR-1	04/02/98	TOB	—	NONE	--	--	7.43	34.14



Sequoia Analytical

6 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite 8
1455 McDowell Blvd. North, Ste. D

Redwood City, CA 94
Walnut Creek, CA 94596
Sacramento, CA 95834
Petaluma, CA 94954

(650) 364-9600
(510) 988-9600
(916) 921-9600
(707) 792-1865

FAX (650) 364-9233
FAX (510) 988-9673
FAX (916) 921-0100
FAX (707) 792-0342

Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Client Proj. ID: Shell 2800 Telegraph, Oakland
Sample Descript: S-8
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9804223-01

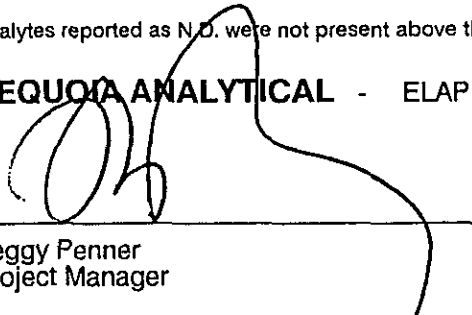
Sampled: 04/02/98
Received: 04/03/98
Analyzed: 04/10/98
Reported: 04/15/98

Attention: Fran Thie

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	250	4500
Methyl t-Butyl Ether	12	N.D.
Benzene	2.5	140
Toluene	2.5	77
Ethyl Benzene	2.5	140
Xylenes (Total)	2.5	380
Chromatogram Pattern:		C6-C12
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	111

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210


Peggy Penner
Project Manager





Sequoia Analytical

6 Resapeake Drive
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(650) 364-9600 FAX (650) 364-9233
(510) 988-9600 FAX (510) 988-9673
(916) 921-9600 FAX (916) 921-8100
(707) 792-1865 FAX (707) 792-0342

Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112
Attention: Fran Thie

Project: Shell 2800 Telegraph, Oakland

Enclosed are the results from samples received at Sequoia Analytical on April 3, 1998.
The requested analyses are listed below:

<u>SAMPLE #</u>	<u>SAMPLE DESCRIPTION</u>	<u>DATE COLLECTED</u>	<u>TEST METHOD</u>
9804223 -01	LIQUID, S-8	04/02/98	Purgeable TPH/BTEX/MTBE

Please contact me if you have any questions. In the meantime, thank you for the opportunity to work with you on this project.

Very truly yours,

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager





**Sequoia
Analytical**

6 Chesapeake Drive
404 N. Wilget Lane
819 Striker Avenue, Suite 8
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(650) 364-9600 FAX (650) 364-9233
(510) 988-9600 FAX (510) 988-9673
(916) 921-9600 FAX (916) 921-0100
(707) 792-1865 FAX (707) 792-0342

Blaine Tech Services, Inc.
1680 Rogers Ave.
San Jose, CA 95112
Attention: Fran Thie

Client Project ID: Shell 2800 Telegraph, Oakland
Matrix: Liquid

Work Order #: 9804223 -01

Reported: Apr 24, 1998

QUALITY CONTROL DATA REPORT

Analyte:	Gasoline
QC Batch#:	701310443
Analy. Method:	EPA 8015M
Prep. Method:	N.A.

Analyst: -
MS/MSD #: BLK041098
Sample Conc.: N.D.
Prepared Date: 4/10/98
Analyzed Date: 4/10/98
Instrument I.D.#: -
Conc. Spiked: 1000 µg/L

Result: 932
MS % Recovery: 91

Dup. Result: 907
MSD % Recov.: 88

RPD: 2.7
RPD Limit: 0-25

LCS #: LCS041098
Prepared Date: 4/10/98
Analyzed Date: 4/10/98
Instrument I.D.#: -
Conc. Spiked: 1000 µg/L
LCS Result: 893
LCS % Recov.: 89

MS/MSD	50-150
LCS	60-140
Control Limits	

Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

9804223.BLA <1>

SEQUOIA ANALYTICAL
EAP 2245

Peggy Penner
Project Manager





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112 Attention: Fran Thie	Client Proj. ID: Shell 2800 Telegraph, Oakland Lab Proj. ID: 9804223	Received: 04/03/98 Reported: 04/15/98
--	---	--

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 4 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager

