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March 15, 1998

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

Re: **Quarterly Monitoring Report - First 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 first 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 January 7, 1998.
- Ground water samples were collected from Wells S-5 and S-8 on January 7, 1998 and were transported to Sequoia Analytical of Redwood City, California for chemical analysis. A duplicate sample was prepared and analyzed for quality control purposes.
- 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 0.018. 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

- Ground water samples collected from Wells S-5 and S-8 contained TPPH concentrations of ND and 150 ppb, benzene concentrations of ND and 1.8 ppb, respectively. MTBE was ND in both wells.

Quarterly Sampling

Monitoring Wells S-5 and S-8 were 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. Additionally, a duplicate sample was prepared and analyzed for quality control purposes.

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 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 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.

Michael R. Murphy
Michael R. Murphy
Project Scientist

Diane M. Lundquist
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	

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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	

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
08-Nov-94	9.64	23.78	NA	NA	NA	NA	NA	NA	NA	

TABLE 1

WELL CONCENTRATIONS
 Shell Oil Products Company
 2800 Telegraph Avenue
 Oakland, California
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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	9.59	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	

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	
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	

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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	

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	
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	

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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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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	

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	

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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	
07-Jan-98	9.27	22.70	0.00	110	1.2	<0.50	<0.50	1.6	<2.5	

S-8 (DUP)										
10-Feb-94	NA	NA	NA	2400	11	46	100	440	NA	

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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	
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	

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
-------------	------------------------	------------------------	---------	-------------	----------	----------	----------	----------	-------------	----------

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	
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	

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
-------------	------------------------	------------------------	---------	-------------	----------	----------	----------	----------	-------------	----------

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	

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	
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	

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
-------------	------------------------	------------------------	---------	-------------	----------	----------	----------	----------	-------------	----------

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	
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	

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	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	
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)

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
----------------	------------------------------	------------------------------	------------	----------------	-------------	-------------	-------------	-------------	----------------	----------

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

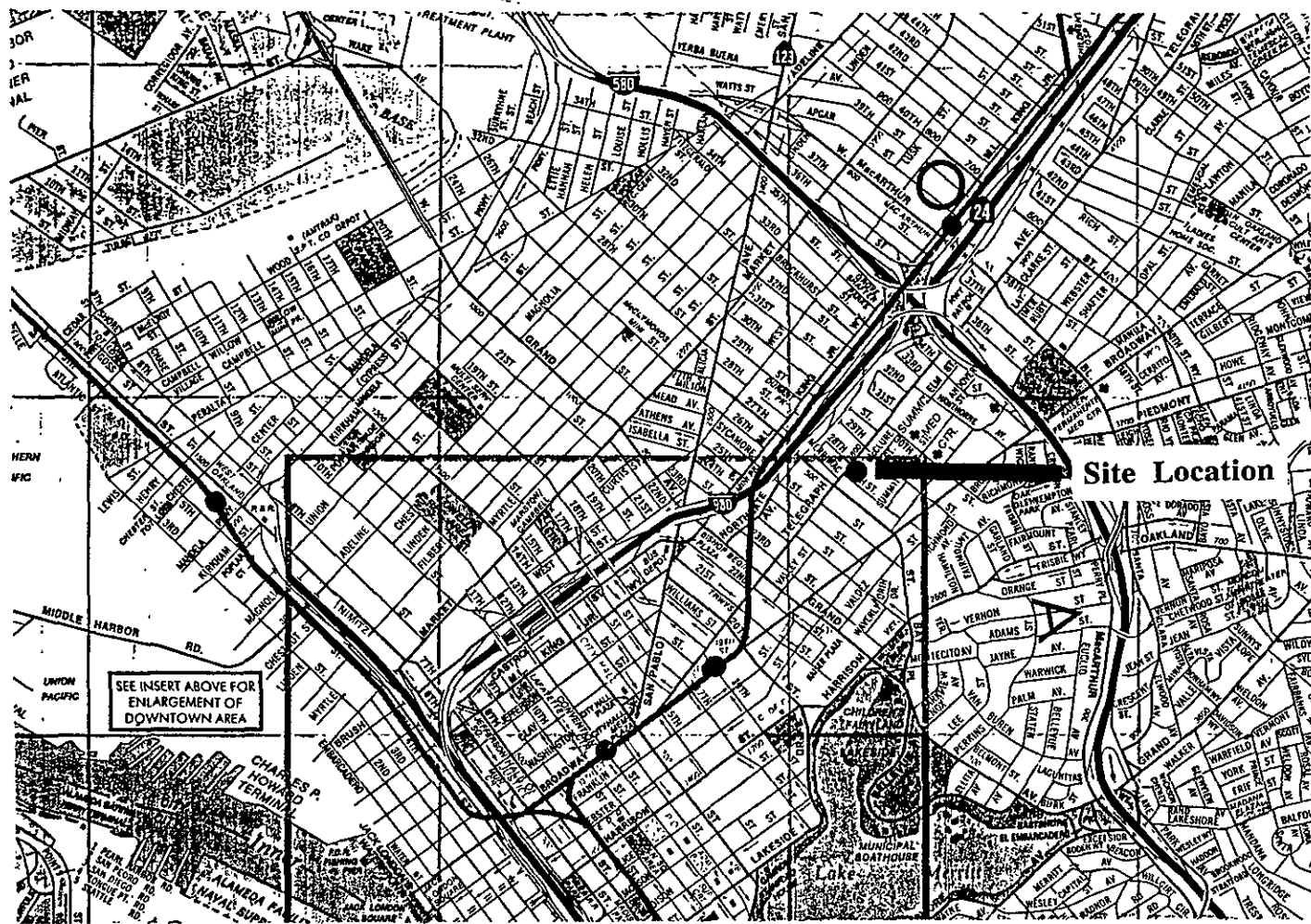
Notes:

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

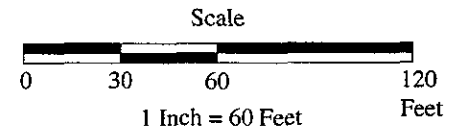
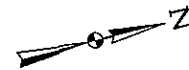
Date: 5-15-95

Approved By: *rh* Date: 3-12-98

EXPLANATION

- ◆ Ground Water Monitoring Well
- ⊙ Recovery Well
- Ground water elevation contour in feet referenced to mean sea level (MSL). Arrows indicate approximate ground water flow direction.
- 22.70 Ground water elevation in feet above MSL
- (1.2) Benzene concentration in ppb
- (ND) MTBE concentration in ppb
- NM Not Monitored

Notes: Monitoring and sampling performed on 7-Jan-98 unless otherwise indicated.
 ND = Not Detected
 <X = Not detected at detection limit X
 Approximate hydraulic gradient = 0.018
 Well SR-1 not used in contouring.



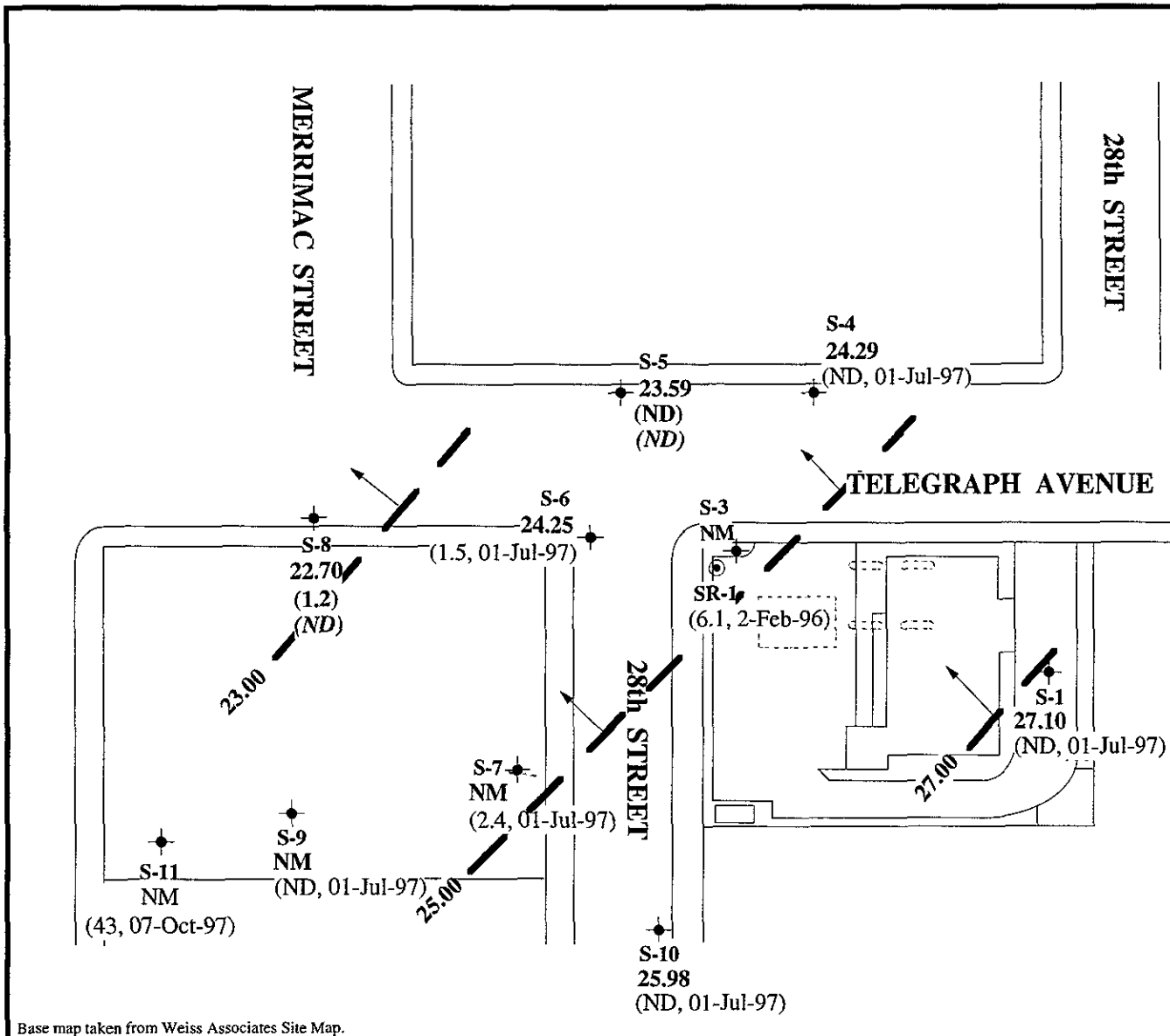
Base map taken from Weiss Associates Site Map.

PLATE
2
GROUND WATER CONTOUR/CHEMICAL CONCENTRATION MAP
 Former Shell Service Station
 2800 Telegraph Avenue
 Oakland, California

CAMBRIA
 290

Drawn By: MRM Date: 09-Mar-98

Approved By: *[Signature]* Date: 3-12-98



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

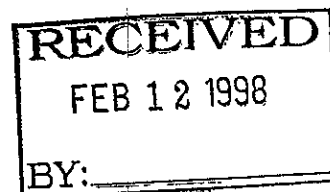
February 6, 1998

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

Attn: Alex Perez

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

1st Quarter 1998

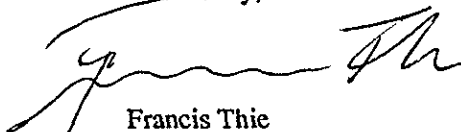


Groundwater Monitoring Report 980107-K-1

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	01/07/98	TOB	--	NONE	--	--	8.21	27.53
S-4	01/07/98	TOB	--	NONE	--	--	9.79	30.17
S-5	01/07/98	TOB	--	NONE	--	--	9.83	30.52
S-6	01/07/98	TOB	--	NONE	--	--	8.34	22.11
S-8*	01/07/98	TOB	--	NONE	--	--	9.27	19.17
S-10	01/07/98	TOB	--	NONE	--	--	6.97	24.18
SR-1	01/07/98	TOB	--	NONE	--	--	7.45	34.13

* Sample DUP was a duplicate sample taken from well S-8.

9801297



SHELL OIL COMPANY
RETAIL ENVIRONMENTAL ENGINEERING - WEST

CHAIN OF CUSTODY RECORD

Serial No: 9801297-K1

Date: _____
 Page 1 of 1

Site Address: 2800 Telegraph Ave., Oakland, CA

WIC#: 204-5508-2303

Shell Engineer: Alex Perez
 Phone No.: (510) 675-6168
 Fax #: 675-6172

Consultant Name & Address:
 Blaine Tech Services, Inc.
 1680 Rogers Ave., San Jose, CA 95112

Consultant Contact: Fran Thie
 Phone No.: (408) 573-0555
 Fax #: 573-7771

Comments:

Sampled by: *[Signature]*

Printed Name: Mark Spandler

Analysis Required

TPH (EPA 8015 Mod. Gas)	TPH (EPA 8015 Mod. Diesel)	BTEX (EPA 8020/602)	Volatile Organics (EPA 8240)	Test for Disposal	Combination TPH 8015 & BTEX 8020 <u>WIBC</u>	Asbestos	Container Size	Preparation Used	Composite Y/N
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LAB: Sagevia

CHECK ONE (1) BOX ONLY	CT/DT	TURN AROUND TIME
G.W. Monitoring <input checked="" type="checkbox"/>	4441	24 hours <input type="checkbox"/>
Site Investigation <input type="checkbox"/>	4441	48 hours <input type="checkbox"/>
Soil Classify/Disposal <input type="checkbox"/>	4442	15 days <input checked="" type="checkbox"/> (Normal)
Water Classify/Disposal <input type="checkbox"/>	4443	Other <input type="checkbox"/>
Soil/Air Rem. or Sys. O & M <input type="checkbox"/>	4452	
Water Rem. or Sys. O & M <input type="checkbox"/>	4453	
Other <input type="checkbox"/>		

NOTE: Notify Lab as soon as possible of 24/48 hrs. TAT.

UST AGENCY: _____

Sample ID	Date	Sludge	Soil	Water	Air	No. of conts.	TPH (EPA 8015 Mod. Gas)	TPH (EPA 8015 Mod. Diesel)	BTEX (EPA 8020/602)	Volatile Organics (EPA 8240)	Test for Disposal	Combination TPH 8015 & BTEX 8020	Asbestos	Container Size	Preparation Used	Composite Y/N	MATERIAL DESCRIPTION	SAMPLE CONDITION/ COMMENTS	
3-5	11/1/98			✓		✓						X							
3-8	↓			✓		✓						X							
QUP	↓			✓		✓						X							

Relinquished By (signature): <i>[Signature]</i>	Printed Name: <u>Mark Spandler</u>	Date: <u>1-8-98</u>	Received (signature): <i>[Signature]</i>	Printed Name: <u>Damon Adams</u>	Date: <u>1-8-98</u>
Relinquished By (signature): <i>[Signature]</i>	Printed Name: <u>Damon Adams</u>	Date: <u>1-9-98</u>	Received (signature): <i>[Signature]</i>	Printed Name: _____	Date: _____
Relinquished By (signature): _____	Printed Name: _____	Date: _____	Received (signature): <u>Jill Dennis</u>	Printed Name: <u>TERRI DOWNS</u>	Date: <u>1-29-98</u>

THE LABORATORY MUST PROVIDE A COPY OF THIS CHAIN-OF-CUSTODY WITH INVOICE AND RESULTS



Sequoia Analytical

680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite 8

Redwood City, CA 94063
Walnut Creek, CA 94598
Sacramento, CA 95834

(650) 364-9600
(510) 988-9600
(916) 921-9600

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

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

Project: Shell Oakland/980107-K1

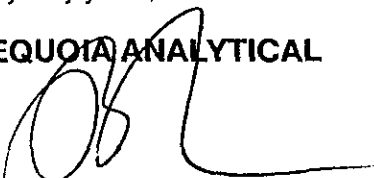
Enclosed are the results from samples received at Sequoia Analytical on January 8, 1998.
The requested analyses are listed below:

<u>SAMPLE #</u>	<u>SAMPLE DESCRIPTION</u>	<u>DATE COLLECTED</u>	<u>TEST METHOD</u>
9801297 -01	LIQUID, S-5	01/07/98	TPGM2W Purgeable TPH/BTEX
9801297 -02	LIQUID, S-8	01/07/98	TPGM2W Purgeable TPH/BTEX
9801297 -03	LIQUID, Dup	01/07/98	TPGM2W Purgeable TPH/BTEX

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





Blaine Tech Services	Client Proj. ID: Shell Oakland/980107-K1	Sampled: 01/07/98
1680 Rogers Avenue	Sample Descript: S-5	Received: 01/08/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 01/15/98
Attention: Fran Thie	Lab Number: 9801297-01	Reported: 01/29/98

QC Batch Number: GC011598BTEX01A
Instrument ID: GCHP01

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	75

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

SEQUOIA ANALYTICAL - ELAP #1210


Peggy Penner
Project Manager





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Client Proj. ID: Shell Oakland/980107-K1 Sample Descript: S-8 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9801297-02	Sampled: 01/07/98 Received: 01/08/98 Analyzed: 01/19/98 Reported: 01/29/98
--	---	---

QC Batch Number: GC011998BTEX06A
Instrument ID: GCHP06

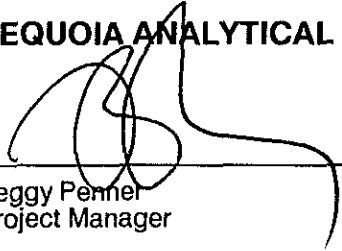
Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	110
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	1.2
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	1.6
Chromatogram Pattern:		C6-C12

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	75

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

SEQUOIA ANALYTICAL - ELAP #1210


Peggy Penner
Project Manager





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Client Proj. ID: Shell Oakland/980107-K1 Sample Descript: Dup Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9801297-03	Sampled: 01/07/98 Received: 01/08/98 Analyzed: 01/20/98 Reported: 01/29/98
Attention: Fran Thie		

QC Batch Number: GC012098BTEX06A
Instrument ID: GCHP06

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	150
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	1.8
Toluene	0.50	0.57
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	2.2
Chromatogram Pattern:		C6-C12
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	81

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