



REGIONAL  
PROTECTION  
08 MAR 17 PM 3:18

March 15, 1998

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

Re: **Quarterly Monitoring Report - First Quarter 1998**  
Former Shell Service Station  
15275 Washington Avenue  
San Leandro, California  
WIC #204-6852-1008

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, San Francisco Bay Region and the Alameda County Health Care Services Agency.

### **Quarterly Monitoring & Sampling Summary**

Ground water monitoring and sampling for the first quarter of 1998 are summarized below:

- Blaine Tech Services Inc. (Blaine Tech) of San Jose, California measured ground water levels in Wells S-1, S-3, S-5, S-7 through S-10, S-13, S-16 through S-18, and SR-1 and collected ground water samples from Wells S-1, S-3, S-5, S-7 through S-10, S-16 through S18, and SR-1 on January 15, 1998. The samples were transported to Sequoia Analytical of Redwood City, California for chemical analysis.
- Ground water level measurement data were evaluated and used to prepare a ground water contour/chemical concentration map (Plate 2). Ground water flow direction and hydraulic gradients vary across the site, from northeast at an approximate gradient of 0.008, to southeast at an approximate gradient of 0.05.
- Ground water samples from Wells S-10, S-17, and S-18 were ND for TPPH, benzene, and MTBE. Ground water samples from S-1, S-3, S-5, S-7 through S-9, S-16 and SR-1 contained TPPH concentrations ranging from ND to 49,000 ppb, benzene concentrations ranging from ND to 1,000 ppb, and MTBE concentrations ranging from ND to 39 ppb. A ground water contour/chemical concentration map is presented on Plate 2.

CAMBRIA  
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## Quarterly Sampling

Monitoring Wells S-1, S-3, S-5, S-7 through S-10, S-16 through S18, and SR-1 were sampled and analyzed for Total Purgeable Petroleum Hydrocarbons quantitated 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.

Quarterly monitoring, sampling, and reporting will continue on the approved sampling 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: Mr. Scott Seery, Alameda County Health Care Services Agency, Environmental Protection Division  
Mr. Mike Bakaldin, San Leandro Fire Department  
Mr. John Verber, Larson & Burnham  
Mr. Jonathan W. Redding, Fitzgerald, Abbott & Beardsley LLP  
Mr. Richard P. Waxman, Wendell, Rosen, Black & Dean

**TABLE 1**

**WELL CONCENTRATIONS  
Shell Oil Products Company  
15275 Washington  
San Leandro, California  
WIC# 204-6852-1008**

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 casing elevation (ft): 21.55									
08-Jul-85	NA	NA	NA	520	NA	NA	NA	NA	NA	Well Inaccessible
06-Sep-88	NA	NA	NA	<50	<0.5	<1	<1	<0.3	NA	
16-Nov-88	8.01	13.54	0.00	<50	<0.5	<1	<1	<0.3	NA	
27-Feb-89	NA	NA	NA	<50	0.5	<1	<1	<0.3	NA	
04-May-89	NA	NA	NA	<50	1.0	<1	<1	<0.3	NA	
10-Aug-89	7.93	13.62	0.00	<50	0.7	<1	<1	<0.3	NA	
10-Oct-89	8.09	13.46	0.00	<50	<0.5	<1	<1	<0.3	NA	
25-Jan-90	7.73	13.82	0.00	<50	<0.5	<0.5	<0.5	<1	NA	
18-Apr-90	7.91	13.64	0.00	<50	<0.5	<0.5	<0.5	<1	NA	
23-Jul-90	7.72	13.83	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
18-Oct-90	8.55	13.00	0.00	80	5	<0.5	<0.5	3.0	NA	
28-Jan-91	8.52	13.03	0.00	<50	4.5	<0.5	<0.5	2.0	NA	
25-Apr-91	7.18	14.37	0.00	80*	3.7	<0.5	0.7	2.0	NA	
09-Jul-91	8.22	13.33	0.00	200	16	<0.5	1.3	5.8	NA	
08-Oct-91	8.70	12.85	0.00	<50	2.3	<0.5	<0.5	<0.5	NA	
05-Feb-92	8.14	13.41	0.00	160	8.9	<0.5	2.1	6.0	NA	
28-Apr-92	7.52	14.03	0.00	<50	2.4	<0.5	<0.5	0.9	NA	
27-Jul-92	8.28	13.27	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
26-Oct-92	8.74	12.81	0.00	57	3.0	1.6	1.4	1.7	NA	
14-Jan-93	5.91	15.64	0.00	490	53	1.2	20	33	NA	
16-Apr-93	6.66	14.89	0.00	240	20	<0.5	15	240	NA	
23-Jul-93	7.53	14.02	0.00	<50	0.5	<0.5	<0.5	<0.5	NA	
27-Oct-93	8.20	13.35	0.00	60	5.9	<0.5	2.5	1.7	NA	
27-Jan-94	7.26	14.29	0.00	<50	2.1	<0.5	<0.5	0.63	NA	

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Shell Oil Products Company  
15275 Washington  
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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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<b>New top casing elevation (ft): 21.27</b>										
05-May-94	7.38	13.89	0.00	57	3.9	<0.5	1.9	1.9	NA	
26-Jul-94	7.86	13.41	0.00	<50	2.2	<0.3	<0.3	<0.6	NA	
28-Oct-94	7.86	13.41	0.00	<50	0.8	<0.3	<0.3	0.8	NA	
02-Jan-95	6.85	14.42	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
14-Apr-95	6.08	15.19	0.00	NA	NA	NA	NA	NA	NA	
28-Jul-95	6.79	14.48	0.00	60	2.2	<0.5	1.3	1.2	NA	
17-Oct-95	7.04	14.23	0.00	60	2.6	<0.5	1.2	1.3	NA	
11-Jan-96	6.40	14.87	0.00	<50	2.0	<0.5	<0.5	<0.5	<2	
02-Apr-96	5.84	15.43	0.00	NA	NA	NA	NA	NA	NA	
09-Jul-96	6.50	14.77	0.00	NA	NA	NA	NA	NA	NA	
10-Oct-96	7.31	13.96	0.00	NA	NA	NA	NA	NA	NA	
09-Jan-97	5.50	15.77	0.00	<50	<0.50	<0.50	<0.50	<0.50	6.7	
08-Apr-97	7.03	14.24	0.00	NA	NA	NA	NA	NA	NA	
21-Jul-97	7.00	14.27	0.00	NA	NA	NA	NA	NA	NA	
08-Oct-97	7.51	13.76	0.00	NA	NA	NA	NA	NA	NA	
15-Jan-98	5.43	15.84	0.00	420	16	<0.50	4.6	3.9	26	

<b>S-3 Top casing elevation (ft): 21.14</b>										
06-Sep-88	NA	NA	NA	96000	3400	9500	2700	17000	NA	
16-Nov-88	7.76	13.38	0.00	70000	4600	8400	2500	13000	NA	
27-Feb-89	NA	NA	NA	32000	2400	3100	1500	6400	NA	
04-May-89	NA	NA	NA	47000	4400	300	2400	15000	NA	
10-Aug-89	7.92	13.22	0.00	110000	5700	5700	3200	19000	NA	
10-Oct-89	8.00	13.14	0.00	52000	4600	3300	2600	15000	NA	
25-Jan-90	7.54	13.60	0.00	420000	5200	4100	6700	34000	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
18-Apr-90	7.74	13.40	0.00	58000	3800	1400	2400	12000	NA	
23-Jul-90	7.55	13.59	0.00	49000	3400	1800	2300	12000	NA	
18-Oct-90	8.47	12.67	0.00	44000	3500	650	2400	11000	NA	
28-Jan-91	8.38	12.76	0.00	64000	40900	570	1940	8090	NA	
25-Apr-91	6.91	14.23	0.00	120000	3900	3600	2400	8900	NA	
09-Jul-91	8.07	13.07	0.00	50000	3600	2300	1800	10000	NA	
08-Oct-91	8.61	12.53	0.00	130000	3600	1000	2800	8400	NA	
05-Feb-92	7.80	13.34	0.00	150000	2500	670	2700	10000	NA	
28-Apr-92	7.27	13.87	0.00	120000	2200	1200	2000	5800	NA	
27-Jul-92	8.10	13.04	0.00	190000	1400	<1250	<1250	3400	NA	
26-Oct-92	8.62	12.52	0.00	950000	2000	8400	16000	36000	NA	
14-Jan-93	5.16	15.98	0.00	41000	2700	2500	1800	6900	NA	
16-Apr-93	7.18	13.96	0.00	40000	930	2800	1900	14000	NA	
23-Jul-93	7.34	13.80	0.00	87000	1600	<5	1300	4000	NA	
27-Oct-93	8.03	13.11	0.00	36000	2200	<500	1500	3200	NA	
27-Jan-94	6.79	14.35	0.00	190000	3200	3100	4100	15000	NA	
		<b>New top casing elevation (ft): 20.48</b>								
05-May-94	6.75	13.73	0.00	36000	1100	490	1600	4700	NA	
26-Jul-94	7.30	13.18	0.00	18000	1039	170.5	845.4	967.5	NA	
28-Oct-94	8.36	12.12	0.00	25869	467.9	294	546.2	343.3	NA	
02-Jan-95	6.36	14.12	0.00	23000	850	260	900	2100	NA	
14-Apr-95	5.87	14.61	0.00	33000	720	670	1600	6600	NA	
28-Jul-95	6.33	14.15	0.00	12000	540	<10	580	780	NA	
17-Oct-95	6.48	14.00	0.00	NA	NA	NA	NA	NA	NA	Well Inaccessible
11-Jan-96	5.80	14.68	0.00	16000	520	290	740	2600	<200	
02-Apr-96	5.00	15.48	0.00	NA	NA	NA	NA	NA	NA	

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09-Jul-96	5.93	14.55	0.00	NA	NA	NA	NA	NA	NA	
10-Oct-96	6.73	13.75	0.00	NA	NA	NA	NA	NA	NA	
09-Jan-97	4.72	15.76	0.00	30000	420	330	1500	6300	<500	
08-Apr-97	6.63	13.85	0.00	NA	NA	NA	NA	NA	NA	
21-Jul-97	6.18	14.30	0.00	NA	NA	NA	NA	NA	NA	
08-Oct-97	6.83	13.65	0.00	NA	NA	NA	NA	NA	NA	
15-Jan-98	4.30	16.18	0.00	21000	300	51	770	2800	<100	

<b>S-3 (DUP)</b>										
15-Jan-98	NA	NA	NA	14000	330	63	920	3400	<250	

<b>S-5</b>										
Top casing elevation (ft): 21.41										
08-Jan-87	NA	NA	NA	7800	380	510	NA	1000	NA	
06-Sep-88	NA	NA	NA	7000	2600	60	400	700	NA	
16-Nov-88	NA	NA	NA	3000	660	60	120	220	NA	
27-Feb-89	NA	NA	NA	5700	2000	220	260	320	NA	
04-May-89	NA	NA	NA	9000	3000	600	630	1700	NA	
10-Aug-89	8.28	13.13	0.00	5100	1100	<50	270	400	NA	
10-Oct-89	8.32	13.09	0.00	15000	3300	160	830	2200	NA	
25-Jan-90	8.20	13.21	0.00	12000	2400	360	570	1400	NA	
18-Apr-90	8.32	13.09	0.00	5200	1100	40	300	460	NA	
23-Jul-90	8.03	13.38	0.00	5500	1300	140	320	730	NA	
18-Oct-90	9.03	12.38	0.00	12000	3200	40	720	900	NA	
28-Jan-91	8.80	12.61	0.00	2550	410	15	110	60	NA	
25-Apr-91	7.40	14.01	0.00	67000	5100	3100	2800	11000	NA	
09-Jul-91	8.52	12.89	0.00	4900	480	36	360	1000	NA	

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08-Oct-91	9.00	12.41	0.00	6600	370	7.0	190	380	NA	
05-Feb-92	8.11	13.30	0.00	44000	4800	850	2700	8400	NA	
28-Apr-92	7.70	13.71	0.00	33000	1400	320	1600	5200	NA	
27-Jul-92	8.52	12.89	0.00	20000	2400	<25	1800	2300	NA	
26-Oct-92	9.02	12.39	0.00	21000	1600	140	1500	2800	NA	
14-Jan-93	5.22	16.19	0.00	54000	1900	1000	2700	16000	NA	
16-Apr-93	7.04	14.37	0.00	42000	2000	1300	4300	18000	NA	
23-Jul-93	7.75	13.66	0.00	46000	2500	2200	3400	11000	NA	
27-Oct-93	8.49	12.92	0.00	6500	990	31	1100	1000	NA	
27-Jan-94	7.04	14.37	0.00	34000	1800	580	2900	9700	NA	
		<b>New top casing elevation (ft): 21.03</b>								
05-May-94	7.20	13.83	0.00	24000	670	70	1400	2700	NA	
27-Jul-94	7.72	13.31	0.00	4700	193.6	33.1	332.3	281.2	NA	
28-Oct-94	7.82	13.21	0.00	3200	167.3	18	238.7	104.5	NA	
02-Jan-95	6.65	14.38	0.00	18000	1300	220	3400	10000	NA	
14-Apr-95	5.99	15.04	0.00	NA	NA	NA	NA	NA	NA	
28-Jul-95	6.77	14.26	0.00	25000	440	74	1700	4500	NA	
17-Oct-95	7.00	14.03	0.00	18000	360	24	1300	2200	NA	
11-Jan-96	6.22	14.81	0.00	41000	420	180	1600	9500	<200	
02-Apr-96	5.44	15.59	0.00	NA	NA	NA	NA	NA	NA	
09-Jul-96	6.41	14.62	0.00	NA	NA	NA	NA	NA	NA	
10-Oct-96	7.19	13.84	0.00	NA	NA	NA	NA	NA	NA	
09-Jan-97	5.03	16.00	0.00	38000	130	43	160	6200	<125	
08-Apr-97	7.20	13.83	0.00	NA	NA	NA	NA	NA	NA	
21-Jul-97	6.82	14.21	0.00	NA	NA	NA	NA	NA	NA	

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08-Oct-97	7.31	13.72	0.00	NA	NA	NA	NA	NA	NA	
15-Jan-98	4.58	16.45	0.00	49000	62	<50	93	4100	<250	

<b>S-5 DUP</b>										
28-Jul-95	NA	NA	NA	25000	450	<50	1700	4600	NA	
09-Jan-97	NA	NA	NA	36000	130	<50	160	5600	<250	

<b>S-6</b>	<b>Top casing elevation (ft): 22.02</b>									
16-Nov-88	8.58	13.44	0.00	50	0.7	<1	<1	<3	NA	
27-Feb-89	NA	NA	NA	<50	<0.5	<1	<1	<3	NA	
04-May-89	NA	NA	NA	<50	<0.5	<1	<1	<3	NA	
10-Aug-89	8.54	13.48	0.00	<50	<0.5	<1	<1	<3	NA	
10-Oct-89	8.58	13.44	0.00	<50	<0.5	<1	<1	<3	NA	
25-Jan-90	8.31	13.71	0.00	<50	<0.5	<0.5	<0.5	<1	NA	
18-Apr-90	8.43	13.59	0.00	<50	<0.5	0.6	<0.5	1.0	NA	
23-Jul-90	8.24	13.78	0.00	<50	<0.5	0.9	<0.5	1.8	NA	
18-Oct-90	9.20	12.82	0.00	<50	<0.5	0.7	<0.5	0.8	NA	
28-Jan-91	9.10	12.92	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
25-Apr-91	7.74	14.28	0.00	<50	<0.5	<0.5	<0.5	0.7	NA	
09-Jul-91	8.81	13.21	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
08-Oct-91	9.26	12.76	0.00	<50	0.7	<0.5	<0.5	<0.5	NA	
02-Feb-92	8.47	13.55	0.00	NA	NA	NA	NA	NA	NA	
28-Apr-92	7.91	14.11	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
27-Jul-92	8.83	13.19	0.00	NA	NA	NA	NA	NA	NA	
26-Oct-92	9.29	12.73	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
13-Jan-94	9.43	12.59	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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16-Apr-93	7.12	14.90	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
23-Jul-93	8.14	13.88	0.00	NA	NA	NA	NA	NA	NA	
27-Oct-93	8.75	13.27	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
27-Jan-94	7.87	14.15	0.00	NA	NA	NA	NA	NA	NA	
<b>New top casing elevation (ft): 21.40</b>										
05-May-94	7.71	13.69	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
26-Jul-94	8.10	13.30	0.00	NA	NA	NA	NA	NA	NA	
28-Oct-94	8.04	13.36	0.00	<50	<0.3	<0.3	<0.3	<0.6	NA	
02-Jan-95	7.07	14.33	0.00	NA	NA	NA	NA	NA	NA	
14-Apr-95	6.29	15.11	0.00	<50	<0.5	1.3	<0.5	<0.5	NA	
28-Jul-95	6.91	14.49	0.00	NA	NA	NA	NA	NA	NA	
17-Oct-95	7.20	14.20	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
11-Jan-96	6.60	14.80	0.00	NA	NA	NA	NA	NA	NA	

<b>S-7</b>	<b>Top casing elevation (ft): 21.47</b>									
16-Nov-88	8.24	13.23	0.00	100	5.1	15	2.0	13	NA	
27-Feb-89	NA	NA	NA	50	0.5	3.0	1.0	11	NA	
04-May-89	NA	NA	NA	<50	<0.5	<1	<1	<3	NA	
10-Aug-89	8.18	13.29	0.00	<50	<0.5	<1	<1	<3	NA	
10-Oct-89	8.35	13.12	0.00	<50	<0.5	<1	<1	<3	NA	
25-Jan-90	7.95	13.52	0.00	<50	<0.5	<0.5	<0.5	<1	NA	
18-Apr-90	8.06	13.41	0.00	<50	<0.5	<0.5	<0.5	<1	NA	
23-Jul-90	7.89	13.58	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
18-Oct-90	8.83	12.64	0.00	<50	<0.5	0.5	0.5	4.1	NA	
28-Jan-91	8.77	12.70	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
25-Apr-91	7.25	14.22	0.00	60	<0.5	<0.5	<0.5	<0.5	NA	

TABLE 1

**WELL CONCENTRATIONS**  
**Shell Oil Products Company**  
**15275 Washington**  
**San Leandro, California**  
**WIC# 204-6852-1008**

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
09-Jul-91	8.41	13.06	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
08-Oct-91	8.95	12.52	0.00	NA	NA	NA	NA	NA	NA	
05-Feb-92	8.04	13.43	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
08-Oct-91	8.95	12.52	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
28-Apr-92	7.45	14.02	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
27-Jul-92	8.48	12.99	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
26-Oct-92	9.95	11.52	0.00	570	<0.5	<0.5	<0.5	<0.5	NA	
14-Jan-93	5.84	15.63	0.00	56	<0.5	<0.5	<0.5	<0.5	NA	
16-Apr-93	6.38	15.09	0.00	110	28	<0.5	<0.5	1.8	NA	
23-Jul-93	7.72	13.75	0.00	80	0.48	<0.5	<0.5	0.8	NA	
27-Oct-93	7.79	13.68	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
27-Jan-94	7.85	13.62	0.00	70**	<0.5	<0.5	<0.5	<0.5	NA	
		<b>New top casing elevation (ft): 20.85</b>								
05-May-94	9.45	11.40	0.00	92	2.1	<0.5	<0.5	<0.5	NA	
26-Jul-94	7.64	13.21	0.00	88	<0.3	<0.3	<0.3	<0.6	NA	
28-Oct-94	7.68	13.17	0.00	60	<0.3	0.5	<0.3	<0.6	NA	
02-Jan-95	6.95	13.90	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
14-Apr-95	5.82	15.03	0.00	NA	NA	NA	NA	NA	NA	
28-Jul-95	6.32	14.53	0.00	170	1.7	<0.5	<0.5	2.2	NA	
17-Oct-95	7.07	13.78	0.00	100	<0.5	0.6	<0.5	<0.5	NA	
11-Jan-96	6.10	14.75	0.00	80	0.6	<0.5	<0.5	<0.5	54	
02-Apr-96	6.14	14.71	0.00	NA	NA	NA	NA	NA	NA	
09-Jul-96	6.40	14.45	0.00	NA	NA	NA	NA	NA	NA	
10-Oct-96	6.70	14.15	0.00	NA	NA	NA	NA	NA	NA	
09-Jan-97	5.25	15.60	0.00	130	1.4	<0.50	<0.50	0.56	70	
08-Apr-97	7.15	13.70	0.00	NA	NA	NA	NA	NA	NA	

**TABLE 1**

**WELL CONCENTRATIONS  
Shell Oil Products Company  
15275 Washington  
San Leandro, California  
WIC# 204-6852-1008**

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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21-Jul-97	6.67	14.18	0.00	NA	NA	NA	NA	NA	NA	
08-Oct-97	7.26	13.59	0.00	NA	NA	NA	NA	NA	NA	
15-Jan-98	5.51	15.34	0.00	<50	<0.50	<0.50	<0.50	<0.50	39	

<b>S-8</b>	<b>Top casing elevation (ft): 20.72</b>									
16-Nov-88	7.76	12.96	0.00	210	5.0	<1	1.0	5.0	NA	
27-Feb-89	NA	NA	NA	<50	2.4	<1	<1	<3	NA	
04-May-89	NA	NA	NA	<50	7.5	<1	2.0	<3	NA	
10-Aug-89	7.79	12.93	0.00	<50	0.6	<1	<1	<3	NA	
10-Oct-89	7.84	12.88	0.00	<50	<0.5	<1	<1	<3	NA	
25-Jan-90	7.47	13.25	0.00	<50	<0.5	<0.5	<0.5	<1	NA	
18-Apr-90	7.59	13.13	0.00	<50	<0.5	<0.5	<0.5	<1	NA	
23-Jul-90	7.49	13.23	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
18-Oct-90	8.44	12.28	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
28-Jan-91	8.28	12.44	0.00	<50	55	0.5	<0.5	1.4	NA	
25-Apr-91	6.72	14.00	0.00	130*	19	<0.5	1.3	1.1	NA	
09-Jul-91	7.98	12.74	0.00	200	33	<0.5	1.8	2.8	NA	
08-Oct-91	8.55	12.17	0.00	580	95	2.2	4.9	6.5	NA	
05-Feb-92	7.50	13.22	0.00	90*	18	<0.5	6.2	1.8	NA	
28-Apr-92	7.14	13.58	0.00	<50	5.9	<0.5	2.5	<0.5	NA	
27-Jul-92	8.06	12.66	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
26-Oct-92	8.58	12.14	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
14-Jan-93	5.32	15.40	0.00	270	74	0.9	25	5.5	NA	
16-Apr-93	5.76	14.96	0.00	1100	420	<0.5	200	20	NA	
23-Jul-93	7.29	13.43	0.00	160	23	<0.5	1.2	1.5	NA	
27-Oct-93	7.93	12.79	0.00	420	650	0.7	11	1.7	NA	

TABLE 1

**WELL CONCENTRATIONS**  
**Shell Oil Products Company**  
**15275 Washington**  
**San Leandro, California**  
**WIC# 204-6852-1008**

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
27-Jan-94	6.31	14.41	0.00	290	65	<1	6.9	2.4	NA	
		<b>New top casing elevation (ft): 20.32</b>								
05-May-94	6.84	13.48	0.00	120	13	<0.5	<0.5	<0.5	NA	
26-Jul-94	7.42	12.90	0.00	115	12.2	1.3	<0.3	2.7	NA	
28-Oct-94	7.56	12.76	0.00	733	75.9	3.2	4.9	4.2	NA	
02-Jan-95	6.19	14.13	0.00	290	54	<0.5	10	<0.5	NA	
14-Apr-95	5.54	14.78	0.00	230	68	<0.5	10	2.4	NA	
28-Jul-95	6.28	14.04	0.00	290	44	<0.5	8.0	<0.5	NA	
17-Oct-95	6.64	13.68	0.00	190	24	<0.5	1.0	0.9	NA	
11-Jan-96	5.96	14.36	0.00	400	85	1.1	13	3.4	2.3	
02-Apr-96	5.21	15.11	0.00	300	110	0.7	4.9	0.9	<2	
09-Jul-96	6.05	14.27	0.00	<50	5.4	<0.50	0.63	<0.50	<2.5	
10-Oct-96	6.83	13.49	0.00	150	0.53	0.66	2.3	1.0	8.9	
09-Jan-97	4.51	15.81	0.00	240	27	<0.50	2.4	<0.50	5.8	
08-Apr-97	6.50	13.82	0.00	220	27	0.62	1.9	0.71	5.7	
21-Jul-97	6.36	13.96	0.00	1200	140	2.8	21	5.0	27	
08-Oct-97	6.83	13.49	0.00	690	92	1.4	25	2.0	<2.5	
15-Jan-98	4.30	16.02	0.00	460	110	1.0	3.4	1.7	<5.0	
<b>S-8 (DUP)</b>										
21-Jul-97	NA	NA	NA	1200	120	<2.0	19	3.9	25	
08-Oct-97	NA	NA	NA	700	95	1.3	26	1.9	<2.5	
<b>S-9</b>										
		<b>Top casing elevation (ft): 20.96</b>								
16-Nov-88	7.78	13.18	0.00	1400	69	3.0	52	180	NA	
27-Feb-89	NA	NA	NA	1600	240	4.0	130	180	NA	

TABLE 1

**WELL CONCENTRATIONS**  
**Shell Oil Products Company**  
**15275 Washington**  
**San Leandro, California**  
**WIC# 204-6852-1008**

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
04-May-89	NA	NA	NA	2600	470	10	240	480	NA	
10-Aug-89	7.82	13.14	0.00	520	73	<10	40	<30	NA	
10-Oct-89	7.87	13.09	0.00	380	82	<1	46	13	NA	
25-Jan-90	7.41	13.55	0.00	750	140	1.2	69	75	NA	
18-Apr-90	7.65	13.31	0.00	680	150	1.7	50	37	NA	
23-Jul-90	7.58	13.38	0.00	490	94	1.2	32	24	NA	
18-Oct-90	8.46	12.50	0.00	390	140	0.7	3.3	24	NA	
28-Jan-91	8.29	12.67	0.00	1040	450	4.6	85	97	NA	
25-Apr-91	6.09	14.87	0.00	5800	880	9.0	360	500	NA	
09-Jul-91	7.82	13.14	0.00	1400	220	2.8	82	100	NA	
08-Oct-91	8.55	12.41	0.00	890	960	<2.5	16	29	NA	
05-Feb-92	6.96	14.00	0.00	950	240	<2.5	28	55	NA	
28-Apr-92	6.76	14.20	0.00	1400*	290	3.0	100	81	NA	
27-Jul-92	8.10	12.86	0.00	890	190	<2.5	66	68	NA	
26-Oct-92	8.53	12.43	0.00	650	160	<2.5	63	89	NA	
13-Jan-93	6.80	14.16	0.00	19000	2400	38	1700	2200	NA	
16-Apr-93	6.28	14.68	0.00	10000	1500	<5	1100	990	NA	
23-Jul-93	7.26	13.70	0.00	1100	400	<5	260	160	NA	
27-Oct-93	8.00	12.96	0.00	2500	400	<5	190	110	NA	
27-Jan-94	5.96	15.00	0.00	4800	990	16	630	490	NA	
		<b>New top casing elevation (ft): 20.68</b>								
05-May-94	6.99	13.69	0.00	3700	480	<5	21	120	NA	
26-Jul-94	7.56	13.12	0.00	1000	124.6	<0.3	35.8	28.6	NA	
28-Oct-94	7.78	12.90	0.00	979	80.3	7.0	21.7	29.2	NA	
02-Jan-95	6.29	14.39	0.00	3900	540	2.4	350	150	NA	
14-Apr-95	5.69	14.99	0.00	5100	1000	<10	380	230	NA	

**TABLE 1**

**WELL CONCENTRATIONS  
Shell Oil Products Company  
15275 Washington  
San Leandro, California  
WIC# 204-6852-1008**

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
28-Jul-95	6.61	14.07	0.00	4600	680	<10	120	47	NA	
17-Oct-95	7.00	13.68	0.00	1600	150	<0.5	42	15	NA	
11-Jan-96	6.20	14.48	0.00	6800	1100	12	720	95	24	
02-Apr-96	5.19	15.49	0.00	6000	1300	8.3	430	99	49	
09-Jul-96	6.43	14.25	0.00	3400	680	6.7	54	31	<25	
10-Oct-96	7.08	13.60	0.00	6600	1200	<10	160	<10	70	
09-Jan-97	5.03	15.65	0.00	12000	1400	<25	1000	39	<125	
08-Apr-97	6.78	13.90	0.00	6600	920	10	230	26	150	
21-Jul-97	6.77	13.91	0.00	7800	860	13	260	14	87	
08-Oct-97	6.92	13.76	0.00	4600	320	<10	61	<10	28	
15-Jan-98	4.50	16.18	0.00	9300	1000	<10	730	24	<50	
<b>S-9 (DUP)</b>										
02-Apr-96	NA	NA	NA	6500	1200	8.3	410	90	<20	
09-Jul-96	NA	NA	NA	3300	730	<5.0	58	28	<25	
10-Oct-96	NA	NA	NA	6100	1000	<10	200	15	65	
<b>S-10</b>										
		<b>Top casing elevation (ft): 20.86</b>								
16-Nov-88	7.91	12.95	0.00	330	0.5	<1	1.0	11	NA	
27-Feb-89	NA	NA	NA	140	<0.5	<3	2.0	6.0	NA	
03-May-89	NA	NA	NA	220	<0.5	1.0	2.0	7.0	NA	
10-Aug-89	7.94	12.92	0.00	<50	<0.5	<1	<1	<3	NA	
09-Oct-89	7.99	12.87	0.00	170	<0.5	<1	<1	<3	NA	
25-Jan-90	7.56	13.30	0.00	<50	<0.5	<0.5	1.1	4.0	NA	
18-Apr-90	7.71	13.15	0.00	<50	<0.5	0.9	<0.5	2.0	NA	
23-Jul-90	7.64	13.22	0.00	590	<0.5	<0.5	1.9	19	NA	

TABLE 1

**WELL CONCENTRATIONS**  
**Shell Oil Products Company**  
**15275 Washington**  
**San Leandro, California**  
**WIC# 204-6852-1008**

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
18-Oct-90	8.58	12.28	0.00	140	<0.5	0.7	<0.5	7.0	NA	
28-Jan-91	8.35	12.51	0.00	<50	<0.5	<0.5	<0.5	0.5	NA	
		<b>New top casing elevation (ft): 20.69</b>								
25-Apr-91	6.91	13.78	0.00	<50	<0.5	<0.5	1.1	0.8	NA	
09-Jul-91	8.14	12.55	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
08-Oct-91	8.70	11.99	0.00	140	<0.5	<0.5	<0.5	<0.5	NA	
05-Feb-92	7.57	13.12	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
28-Apr-92	7.20	13.49	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
27-Jul-92	8.17	12.52	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
26-Oct-92	8.68	12.01	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
13-Jan-93	3.78	16.91	0.00	88	<0.5	0.6	0.6	<0.5	NA	
16-Apr-93	6.46	14.23	0.00	80	<0.5	<0.5	<0.5	<0.5	NA	
23-Jul-93	7.38	13.31	0.00	<50	1.5	<0.5	0.7	2.7	NA	
27-Oct-93	8.09	12.60	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
27-Jan-94	5.81	14.88	0.00	270	1.1	1.3	2.0	7.4	NA	
		<b>New top casing elevation (ft): 20.15</b>								
05-May-94	6.82	13.33	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
26-Jul-94	7.40	12.75	0.00	<50	<0.3	<0.3	<0.3	<0.6	NA	
28-Oct-94	7.62	12.53	0.00	<50	2.4	<0.3	0.5	0.8	NA	
02-Jan-95	6.13	14.02	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
14-Apr-95	5.60	14.55	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
28-Jul-95	6.44	13.71	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
17-Oct-95	6.85	13.30	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
11-Jan-96	6.08	14.07	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2	
02-Apr-96	5.21	14.94	0.00	NA	NA	NA	NA	NA	NA	
09-Jul-96	6.20	13.95	0.00	NA	NA	NA	NA	NA	NA	

**TABLE 1**

**WELL CONCENTRATIONS  
Shell Oil Products Company  
15275 Washington  
San Leandro, California  
WIC# 204-6852-1008**

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-Oct-96	6.92	13.23	0.00	NA	NA	NA	NA	NA	NA	
09-Jan-97	4.64	15.51	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	
08-Apr-97	5.82	14.33	0.00	NA	NA	NA	NA	NA	NA	
21-Jul-97	6.48	13.67	0.00	NA	NA	NA	NA	NA	NA	
08-Oct-97	5.48	14.67	0.00	NA	NA	NA	NA	NA	NA	
15-Jan-98	3.01	17.14	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	

S-11	Top casing elevation (ft): 21.26									
16-Nov-88	8.62	12.64	0.00	<50	<0.5	<1	<1	<3	NA	
27-Feb-89	NA	NA	NA	<50	<0.5	<1	<1	<3	NA	
03-May-89	NA	NA	NA	<50	<0.5	<1	<1	<3	NA	
10-Aug-89	8.65	12.61	0.00	<50	<0.5	<1	<1	<3	NA	
09-Oct-89	8.64	12.62	0.00	<50	<0.5	<1	<1	<3	NA	
25-Jan-90	8.43	12.83	0.00	<50	<0.5	<0.5	<0.5	<1	NA	
18-Apr-90	8.42	12.84	0.00	<50	<0.5	<0.5	<0.5	<1	NA	
23-Jul-90	8.23	13.03	0.00	<50	<0.5	0.6	<0.5	1.1	NA	
18-Oct-90	9.20	12.06	0.00	<50	<0.5	<0.5	<0.5	0.5	NA	
28-Jan-91	9.13	12.13	0.00	63	<0.5	3.3	0.9	7.0	NA	
25-Apr-91	7.53	13.73	0.00	<50	<0.5	<0.5	0.8	<0.5	NA	
09-Jul-91	8.85	12.41	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
08-Oct-91	9.34	11.92	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
05-Feb-91	8.50	12.76	0.00	NA	NA	NA	NA	NA	NA	
28-Apr-92	7.80	13.46	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
27-Jul-92	8.80	12.46	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
26-Oct-92	9.42	11.84	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
13-Jan-93	6.52	14.74	0.00	NA	NA	NA	NA	NA	NA	



TABLE 1

**WELL CONCENTRATIONS**  
**Shell Oil Products Company**  
**15275 Washington**  
**San Leandro, California**  
**WIC# 204-6852-1008**

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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16-Apr-93	6.86	14.40	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
23-Jul-93	8.07	13.19	0.00	NA	NA	NA	NA	NA	NA	
27-Oct-93	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
27-Jan-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	
		<b>New top casing elevation (ft): 21.24</b>								
05-May-94	7.73	13.51	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
26-Jul-94	8.30	12.94	0.00	NA	NA	NA	NA	NA	NA	
28-Oct-94	8.30	12.94	0.00	<50	<0.3	<0.3	<0.3	<0.6	NA	
02-Jan-95	7.25	13.99	0.00	NA	NA	NA	NA	NA	NA	
14-Apr-95	6.99	14.25	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
28-Jul-95	7.21	14.03	0.00	NA	NA	NA	NA	NA	NA	
17-Oct-95	7.41	13.83	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
11-Jan-96	6.80	14.44	0.00	NA	NA	NA	NA	NA	NA	
21-Jul-97	7.28	13.96	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	

<b>S-12</b>	<b>Top casing elevation (ft): 21.05</b>									
16-Nov-88	NA	NA	NA	50	3.5	<1	<1	<3	NA	
27-Feb-89	NA	NA	NA	<50	0.8	<1	<1	<3	NA	
03-May-89	NA	NA	NA	<50	<0.5	<1	<1	<3	NA	
10-Aug-89	8.32	12.73	0.00	<50	<0.5	<1	<1	<3	NA	
09-Oct-89	8.32	12.73	0.00	<50	<0.5	<1	<1	<1	NA	
25-Jan-90	8.18	12.87	0.00	<50	<0.5	<0.5	<0.5	<1	NA	
18-Apr-90	8.05	13.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
23-Jul-90	7.92	13.13	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
18-Oct-90	8.90	12.15	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
28-Jan-91	8.54	12.51	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	

**TABLE 1**

**WELL CONCENTRATIONS  
Shell Oil Products Company  
15275 Washington  
San Leandro, California  
WIC# 204-6852-1008**

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
25-Apr-91	7.08	13.97	0.00	90	5.4	<0.5	1.1	0.7	NA	
09-Jul-91	8.42	12.63	0.00	<50	2.9	<0.5	<0.5	<0.5	NA	
08-Oct-91	8.80	12.25	0.00	50	<0.5	<0.5	<0.5	<0.5	NA	
05-Feb-92	8.07	12.98	0.00	50*	<0.5	<0.5	<0.5	<0.5	NA	
28-Apr-92	8.33	12.72	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
27-Jul-92	8.55	12.50	0.00	94	<0.5	<0.5	<0.5	<0.5	NA	
26-Oct-92	9.03	12.02	0.00	86	<0.5	<0.5	<0.5	<0.5	NA	
14-Jan-93	6.38	14.67	0.00	120	2.0	<0.5	<0.5	<0.5	NA	
16-Apr-93	6.56	14.49	0.00	60	<0.5	<0.5	<0.5	<0.5	NA	
23-Jul-93	7.76	13.29	0.00	90	<0.5	<0.5	<0.5	<0.5	NA	
27-Oct-93	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
27-Jan-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
		<b>New top casing elevation (ft): 20.71</b>								
05-May-94	7.49	13.22	0.00	<50	2.0	<0.5	<0.5	<0.5	NA	
26-Jul-94	7.92	12.79	0.00	128	<0.3	<0.3	<0.3	<0.6	NA	
28-Oct-94	7.78	12.93	0.00	167	<0.3	<0.3	<0.3	<0.6	NA	
02-Jan-95	7.33	13.38	0.00	50	<0.5	<0.5	<0.5	<0.5	NA	
14-Apr-95	6.47	14.24	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
28-Jul-95	6.90	13.81	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
17-Oct-95	7.16	13.55	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
11-Jan-96	6.65	14.06	0.00	<50	<0.5	<0.5	<0.5	<0.5	82	
21-Jul-97	6.95	13.76	0.00	<50	<0.50	<0.50	<0.50	<0.50	45	
		<b>Top casing elevation (ft): 20.57</b>								
<b>S-13</b>										
03-May-89	NA	NA	NA	150	4.9	4.0	2.0	14	NA	
10-Aug-89	8.00	12.57	0.00	110	2.9	<1	<1	<3	NA	

TABLE 1

**WELL CONCENTRATIONS**  
**Shell Oil Products Company**  
**15275 Washington**  
**San Leandro, California**  
**WIC# 204-6852-1008**

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
09-Oct-89	7.95	12.62	0.00	77	1.4	<1	<1	<3	NA	
25-Jan-90	7.79	12.78	0.00	51	0.5	<0.5	<0.5	<1	NA	
18-Apr-90	7.73	12.84	0.00	85	8.7	<0.5	<0.5	<1	NA	
23-Jul-90	7.63	12.94	0.00	80	0.8	<0.5	<0.5	<0.5	NA	
18-Oct-90	8.58	11.99	0.00	130	<0.5	<0.5	<0.5	<5	NA	
28-Jan-91	8.39	12.18	0.00	<50	<0.5	0.9	1.2	1.0	NA	
25-Apr-91	7.00	13.57	0.00	440*	3.8	<0.5	<0.5	0.6	NA	
09-Jul-91	8.12	12.45	0.00	320*	0.6	<0.5	<0.5	<0.5	NA	
08-Oct-91	8.69	11.88	0.00	310	<0.5	<0.5	<0.5	<0.5	NA	
05-Feb-92	7.62	12.95	0.00	NA	NA	NA	NA	NA	NA	
28-Apr-92	7.15	13.42	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
27-Jul-92	8.20	12.37	0.00	NA	NA	NA	NA	NA	NA	
26-Oct-92	8.73	11.84	0.00	180	<0.5	<0.5	<0.5	<0.5	NA	
13-Jan-93	5.06	15.51	0.00	NA	NA	NA	NA	NA	NA	
16-Apr-93	6.38	14.19	0.00	240	4.8	<0.5	1.3	<0.5	NA	
23-Jul-93	7.45	13.12	0.00	NA	NA	NA	NA	NA	NA	
27-Oct-93	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
27-Jan-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	
		<b>New top casing elevation (ft): 20.16</b>								
05-May-94	6.91	13.25	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
26-Jul-94	7.52	12.64	0.00	NA	NA	NA	NA	NA	NA	
28-Oct-94	7.68	12.48	0.00	368	<0.3	<0.3	<0.3	<0.6	NA	
02-Jan-95	6.37	13.79	0.00	NA	NA	NA	NA	NA	NA	
14-Apr-95	5.81	14.35	0.00	NA	NA	NA	NA	NA	NA	
28-Jul-95	6.73	13.43	0.00	NA	NA	NA	NA	NA	NA	
17-Oct-95	6.94	13.22	0.00	<50	1.0	<0.5	<0.5	<0.5	NA	

**TABLE 1**

**WELL CONCENTRATIONS  
Shell Oil Products Company  
15275 Washington  
San Leandro, California  
WIC# 204-6852-1008**

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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11-Jan-96	6.20	13.96	0.00	NA	NA	NA	NA	NA	NA	
02-Apr-96	5.28	14.88	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2	
09-Jul-96	6.35	13.81	0.00	NA	NA	NA	NA	NA	NA	
10-Oct-96	7.04	13.12	0.00	<50	<0.50	<0.50	<0.50	<0.50	210	MTBE by Method 8260: 160 ppb
09-Jan-97	5.19	14.97	0.00	NA	NA	NA	NA	NA	NA	
08-Apr-97	6.62	13.54	0.00	<50	<0.50	<0.50	<0.50	<0.50	81	
21-Jul-97	6.76	13.40	0.00	NA	NA	NA	NA	NA	NA	
08-Oct-97	7.05	13.11	0.00	<50	<0.50	<0.50	<0.50	<0.50	110	
15-Jan-98	5.27	14.89	0.00	NA	NA	NA	NA	NA	NA	

<b>S-14</b>	<b>Top casing elevation (ft): 20.44</b>									
03-May-89	NA	NA	NA	5300	750	400	200	800	NA	
10-Aug-89	7.58	12.86	0.00	1800	540	140	42	50	NA	
09-Oct-89	7.62	12.82	0.00	1000	360	60	20	30	NA	
25-Jan-90	7.82	12.62	0.00	640	160	77	17	39	NA	
18-Apr-90	7.37	13.07	0.00	1200	200	110	30	96	NA	
23-Jul-90	7.28	13.16	0.00	5000	430	340	140	660	NA	
18-Oct-90	8.10	12.34	0.00	1800	770	13	17	120	NA	
28-Jan-91	8.04	12.40	0.00	720	200	36	21	78	NA	
25-Apr-91	6.40	14.04	0.00	14000	930	430	250	970	NA	
09-Jul-91	7.69	12.75	0.00	160	30	5.3	5	16	NA	
08-Oct-91	8.24	12.20	0.00	5400	81	57	95	380	NA	
02-Feb-92	7.20	13.24	0.00	NA	NA	NA	NA	NA	NA	
28-Apr-92	9.75	10.69	0.00	2000	270	140	48	170	NA	
26-Oct-92	8.32	12.12	0.00	920	33	12	25	88	NA	
13-Jan-93	5.07	15.37	0.00	NA	NA	NA	NA	NA	NA	

**TABLE 1**

**WELL CONCENTRATIONS  
Shell Oil Products Company  
15275 Washington  
San Leandro, California  
WIC# 204-6852-1008**

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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16-Apr-93	5.86	14.58	0.00	4500	1100	29	91	170	NA	
23-Jul-93	7.06	13.38	0.00	NA	NA	NA	NA	NA	NA	
27-Oct-93	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
27-Jan-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	
		<b>New top casing elevation (ft): 19.99</b>								
05-May-94	6.48	13.51	0.00	810	250	<2.5	9.4	19	NA	
26-Jul-94	7.04	12.95	0.00	NA	NA	NA	NA	NA	NA	
28-Oct-94	7.07	12.92	0.00	5385	290.6	85.8	49.7	186.2	NA	
02-Jan-95	5.95	14.04	0.00	NA	NA	NA	NA	NA	NA	
14-Apr-95	5.22	14.77	0.00	1600	40	4.7	11	20	NA	
28-Jul-95	6.21	13.78	0.00	NA	NA	NA	NA	NA	NA	
17-Oct-95	6.30	13.69	0.00	1200	37	<0.5	7.8	11	NA	
11-Jan-96	5.70	14.29	0.00	NA	NA	NA	NA	NA	NA	
21-Jul-97	6.14	13.85	0.00	220	71	0.71	1.3	1.3	100	

<b>S-15</b>	<b>Top casing elevation (ft): 22.22</b>									
03-May-89	NA	NA	NA	<50	<0.5	<1	<1	<3	NA	
10-Aug-89	8.48	13.74	0.00	<50	<0.5	<1	<1	<3	NA	
09-Oct-89	8.46	13.76	0.00	<50	<0.5	<1	<1	<3	NA	
25-Jan-90	8.34	13.88	0.00	<50	<0.5	<1	<1	<1	NA	
18-Apr-90	8.45	13.77	0.00	<50	<0.5	<0.5	<0.5	<1	NA	
23-Jul-90	8.22	14.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
18-Oct-90	9.11	13.11	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
28-Jan-91	9.13	13.09	0.00	<50	<0.5	0.6	<0.5	0.8	NA	
25-Apr-91	7.83	14.39	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
09-Jul-91	8.93	13.29	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	

**TABLE 1**

**WELL CONCENTRATIONS  
Shell Oil Products Company  
15275 Washington  
San Leandro, California  
WIC# 204-6852-1008**

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
08-Oct-91	9.26	12.96	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
05-Feb-92	8.60	13.62	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
28-Apr-92	8.09	14.13	0.00	50	0.8	0.9	<0.5	1.4	NA	
27-Jul-92	8.83	13.39	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
26-Oct-92	9.31	12.91	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
14-Jan-93	6.64	15.58	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
16-Apr-93	7.14	15.08	0.00	<50	0.6	1.0	<0.5	0.7	NA	
23-Jul-93	8.23	13.99	0.00	<50	1.2	<0.5	<0.5	1.6	NA	
27-Oct-93	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
27-Jan-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
		<b>New top casing elevation (ft): 21.42</b>								
05-May-94	7.57	13.85	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
26-Jul-94	8.16	13.26	0.00	<50	<0.3	<0.3	<0.3	<0.6	NA	
28-Oct-94	7.87	13.55	0.00	<50	0.3	<0.3	<0.3	<0.6	NA	
02-Jan-95	7.02	14.40	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
14-Apr-95	6.19	15.23	0.00	NA	NA	NA	NA	NA	NA	
28-Jul-95	6.72	14.70	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
17-Oct-95	7.04	14.38	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
11-Jan-96	6.40	15.02	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2	

<b>S-16</b>	<b>Top casing elevation (ft): 21.82</b>									
04-May-94	NA	NA	NA	380	44	3.0	2.0	<3	NA	
10-Aug-89	8.36	13.46	0.00	<50	0.6	<1	<1	<3	NA	
10-Oct-89	8.23	13.59	0.00	<5	<0.5	<1	<1	<3	NA	
25-Jan-90	7.88	13.94	0.00	240	160	3.3	0.8	11	NA	
18-Apr-90	8.19	13.63	0.00	<50	1.0	<0.5	<0.5	<1	NA	

TABLE 1

**WELL CONCENTRATIONS**  
**Shell Oil Products Company**  
**15275 Washington**  
**San Leandro, California**  
**WIC# 204-6852-1008**

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
23-Jul-90	8.09	13.73	0.00	<50	1.1	<0.5	<0.5	<0.5	NA	
18-Oct-90	8.90	12.92	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
28-Jan-91	8.55	13.27	0.00	<50	<0.5	0.6	<0.5	0.9	NA	
25-Apr-91	7.48	14.34	0.00	60^	21	0.5	3.2	4.8	NA	
09-Jul-91	8.48	13.34	0.00	<50	1.0	<0.5	<0.5	<0.5	NA	
08-Oct-91	8.95	12.87	0.00	50	17	1.4	1.2	5.5	NA	
05-Feb-92	8.20	13.62	0.00	150	65	0.7	<0.5	8.4	NA	
28-Apr-92	7.80	14.02	0.00	<50	13	<0.5	<0.5	<0.5	NA	
27-Jul-92	8.29	13.53	0.00	510	130	<2.5	<0.5	21	NA	
26-Oct-92	9.02	12.80	0.00	<50	<0.5	<0.5	<2.5	<0.5	NA	
13-Jan-93	5.78	16.04	0.00	100	25	1.9	<0.5	8.4	NA	
16-Apr-93	6.80	15.02	0.00	150	56	1.8	4.6	12	NA	
23-Jul-93	7.67	14.15	0.00	<50	0.9	<0.5	<0.5	<0.5	NA	
27-Oct-93	8.52	13.30	0.00	<50	1.5	<0.5	<0.5	<0.5	NA	
27-Jan-94	7.20	14.62	0.00	140	85	<1	<1	13	NA	
		<b>New top casing elevation (ft): 21.24</b>								
05-May-94	7.76	13.48	0.00	71	25	<0.5	<0.5	4.2	NA	
26-Jul-94	7.84	13.40	0.00	<50	<0.3	<0.3	<0.3	<0.6	NA	
28-Oct-94	7.97	13.27	0.00	<50	11.5	<0.3	<0.3	1.8	NA	
02-Jan-95	6.49	14.75	0.00	70	64	<0.5	<0.5	4.0	NA	
14-Apr-95	6.08	15.16	0.00	NA	NA	NA	NA	NA	NA	
28-Jul-95	7.00	14.24	0.00	<50	1.7	<0.5	<0.5	<0.5	NA	
17-Oct-95	7.15	14.09	0.00	<50	4.6	<0.5	<0.5	<0.5	NA	
11-Jan-96	6.30	14.94	0.00	80	17	0.7	<0.5	2.9	<2	
02-Apr-96	5.84	15.40	0.00	NA	NA	NA	NA	NA	NA	
09-Jul-96	6.72	14.52	0.00	NA	NA	NA	NA	NA	NA	

**TABLE 1**

**WELL CONCENTRATIONS  
Shell Oil Products Company  
15275 Washington  
San Leandro, California  
WIC# 204-6852-1008**

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-Oct-96	7.41	13.83	0.00	NA	NA	NA	NA	NA	NA	
09-Jan-97	5.60	15.64	0.00	80	18	<0.50	1.7	4.8	<2.5	
08-Apr-97	7.34	13.90	0.00	NA	NA	NA	NA	NA	NA	
21-Jul-97	7.20	14.04	0.00	NA	NA	NA	NA	NA	NA	
08-Oct-97	7.34	13.90	0.00	NA	NA	NA	NA	NA	NA	
15-Jan-98	4.79	16.45	0.00	650	160	2.7	8.7	62	<12	

<b>S-17</b>	<b>Top casing elevation (ft): 20.95</b>									
03-May-89	NA	NA	NA	<50	<0.5	<1	<1	<3	NA	
10-Aug-89	8.13	12.82	0.00	<50	<0.5	<1	<1	<3	NA	
09-Oct-89	8.18	12.77	0.00	<50	<0.5	<1	<1	<3	NA	
25-Jan-90	7.60	13.35	0.00	<50	<0.5	<0.5	<0.5	<1	NA	
18-Apr-90	7.95	13.00	0.00	<50	<0.5	<0.5	<0.5	<1	NA	
23-Jul-90	7.87	13.08	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
18-Oct-90	8.71	12.24	0.00	390	10	62	22	110	NA	
28-Jan-91	8.54	12.41	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
25-Apr-91	7.15	13.80	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
09-Jul-91	8.24	12.71	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
08-Oct-91	8.86	12.09	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
05-Feb-92	7.74	13.21	0.00	NA	NA	NA	NA	NA	NA	
28-Apr-92	7.41	13.54	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
27-Jul-92	8.34	12.61	0.00	NA	NA	NA	NA	NA	NA	
26-Oct-92	8.87	12.08	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
13-Jan-93	3.43	17.52	0.00	NA	NA	NA	NA	NA	NA	
16-Apr-93	6.70	14.25	0.00	130	<0.5	<0.5	<0.5	<0.5	NA	
23-Jul-93	7.53	13.42	0.00	NA	NA	NA	NA	NA	NA	



**TABLE 1**

**WELL CONCENTRATIONS  
Shell Oil Products Company  
15275 Washington  
San Leandro, California  
WIC# 204-6852-1008**

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	
27-Oct-93	8.29	12.66	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA		
27-Jan-94	5.78	15.17	0.00	NA	NA	NA	NA	NA	NA		
		<b>New top casing elevation (ft): 20.45</b>									
05-May-94	6.99	13.46	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA		
26-Jul-94	7.62	12.83	0.00	NA	NA	NA	NA	NA	NA		
28-Oct-94	7.91	12.54	0.00	<50	<0.3	<0.3	<0.3	<0.6	NA		
02-Jan-95	6.33	14.12	0.00	NA	NA	NA	NA	NA	NA		
14-Apr-95	5.53	14.92	0.00	NA	NA	NA	NA	NA	NA		
28-Jul-95	6.75	13.70	0.00	NA	NA	NA	NA	NA	NA		
17-Oct-95	7.15	13.30	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA		
11-Jan-96	6.37	14.08	0.00	NA	NA	NA	NA	NA	NA		
02-Apr-96	5.31	15.14	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2		
09-Jul-96	6.30	14.15	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5		
10-Oct-96	7.80	12.65	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5		
09-Jan-97	4.80	15.65	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5		
08-Apr-97	6.83	13.62	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5		
21-Jul-97	6.78	13.67	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5		
08-Oct-97	6.80	13.65	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5		
15-Jan-98	2.91	17.54	0.00	380	<0.50	<0.50	<0.50	0.94	<2.5		
<b>S-17 (DUP)</b>											
08-Apr-97	NA	NA	NA	<50	<0.50	<0.50	<0.50	<0.50	<2.5		
<b>S-18</b>											
		<b>Top casing elevation (ft): 21.03</b>									
31-May-91	NA	NA	NA	<50	<0.5	<0.5	<0.5	<0.5	NA		
09-Jul-91	8.23	12.80	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA		

TABLE 1

**WELL CONCENTRATIONS**  
**Shell Oil Products Company**  
**15275 Washington**  
**San Leandro, California**  
**WIC# 204-6852-1008**

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
08-Oct-91	8.84	12.19	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
05-Feb-92	7.67	13.36	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
28-Apr-92	7.40	13.63	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
27-Jul-92	8.38	12.65	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
26-Oct-92	8.83	12.20	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
13-Jan-93	5.86	15.17	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
16-Apr-93	4.88	16.15	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
23-Jul-93	7.56	13.47	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
27-Oct-93	8.30	12.73	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
27-Jan-94	6.84	14.19	0.00	<50	1.9	<0.5	<0.5	<0.5	NA	
		<b>New top casing elevation (ft): 20.57</b>								
05-May-94	7.05	13.52	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
26-Jul-94	7.62	12.95	0.00	<500	<3	1.1	<0.3	1.8	NA	
28-Oct-94	8.01	12.56	0.00	<50	<0.3	<0.3	<0.3	<0.6	NA	
02-Jan-95	6.26	14.31	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
14-Apr-95	4.85	15.72	0.00	NA	NA	NA	NA	NA	NA	
28-Jul-95	5.80	14.77	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
17-Oct-95	7.22	13.35	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	
11-Jan-96	6.40	14.17	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2	
02-Apr-96	4.80	15.77	0.00	NA	NA	NA	NA	NA	NA	
09-Jul-96	5.74	14.83	0.00	NA	NA	NA	NA	NA	NA	
10-Oct-96	6.06	14.51	0.00	NA	NA	NA	NA	NA	NA	
09-Jan-97	4.70	15.87	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	
08-Apr-97	6.62	13.95	0.00	NA	NA	NA	NA	NA	NA	
21-Jul-97	6.94	13.63	0.00	NA	NA	NA	NA	NA	NA	

**TABLE 1**

**WELL CONCENTRATIONS  
Shell Oil Products Company  
15275 Washington  
San Leandro, California  
WIC# 204-6852-1008**

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-Oct-97	6.88	13.69	0.00	NA	NA	NA	NA	NA	NA	
15-Jan-98	3.60	16.97	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	

SR-1	Top casing elevation (ft): 21.45									
22-Mar-89	NA	NA	NA	5400	1100	230	350	1300	NA	
25-Jan-90	7.53	13.92	0.00	2200	470	120	110	510	NA	
18-Apr-90	8.17	13.28	0.00	1000	130	47	47	220	NA	
23-Jul-90	7.58	13.87	0.00	3200	470	320	170	870	NA	
18-Oct-90	8.81	12.64	0.00	1300	280	6.6	110	130	NA	
28-Jan-91	8.37	13.08	0.00	110	120	12	51	110	NA	
25-Apr-91	6.91	14.54	0.00	NA	NA	NA	NA	NA	NA	
09-Jul-91	8.11	13.34	0.00	1400	200	27	130	340	NA	
08-Oct-91	8.63	12.82	0.00	980	79	1.5	44	52	NA	
05-Feb-91	7.68	13.77	0.00	3800	580	36	320	400	NA	
28-Apr-92	7.27	14.18	0.00	38000	1800	460	1900	750	NA	
27-Jul-92	8.11	13.34	0.01	NA	NA	NA	NA	NA	NA	
26-Oct-92	8.63	12.82	0.00	1800	370	10	130	130	NA	
13-Jan-93	5.46	15.99	0.00	47000	1000	1100	1700	13000	NA	
16-Apr-93	6.28	15.17	0.00	25000	1700	430	2400	8300	NA	
23-Jul-93	7.34	14.11	0.00	33000	2400	2000	3800	14000	NA	
27-Oct-93	8.04	13.41	0.00	2300	340	<12.5	270	440	NA	
27-Jan-94	6.68	14.77	0.00	36000	2000	1700	3000	11000	NA	
		New top casing elevation (ft): 20.57								
05-May-94	6.81	13.76	0.00	43000	1500	130	2900	12000	NA	
26-Jul-94	7.38	13.19	0.00	13600	682.7	39.2	996.6	2516	NA	
28-Oct-94	7.48	13.09	0.00	8462	301.5	29.3	384.7	2019	NA	

**TABLE 1**

**WELL CONCENTRATIONS  
Shell Oil Products Company  
15275 Washington  
San Leandro, California  
WIC# 204-6852-1008**

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-Jan-95	6.34	14.23	0.00	13000	400	120	2500	10000	NA	
14-Apr-95	5.29	15.28	0.00	43000	690	370	2500	12000	NA	
28-Jul-95	6.36	14.21	0.00	35000	760	120	2300	8100	NA	
17-Oct-95	6.62	13.95	0.00	9700	310	12	610	1200	NA	
11-Jan-96	5.66	14.91	0.00	18000	410	170	1200	4400	42	
02-Apr-96	5.14	15.43	0.00	NA	NA	NA	NA	NA	NA	
09-Jul-96	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
10-Oct-96	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
09-Jan-97	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
08-Apr-97	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
21-Jul-97	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
08-Oct-97	6.94	13.63	0.00	NA	NA	NA	NA	NA	NA	
15-Jan-98	4.30	16.27	0.00	8100	82	<25	36	2300	<125	
<b>SR-1 (DUP)</b>										
17-Oct-95	NA	NA	NA	8300	230	9.6	680	840	NA	
11-Jan-96	NA	NA	NA	17000	420	180	1100	4000	42	

**Abbreviations:**

TPPH = Total Purgeable Petroleum Hydrocarbons carbon range C6 to C12 by EPA Method (Modified)

(previously reported as Total Petroleum Hydrocarbons as Gasoline)

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

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

NA = Not analyzed or not available

(DUP) = Duplicate

<x = Not detected at detection limit of x

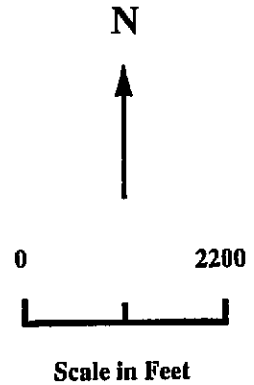
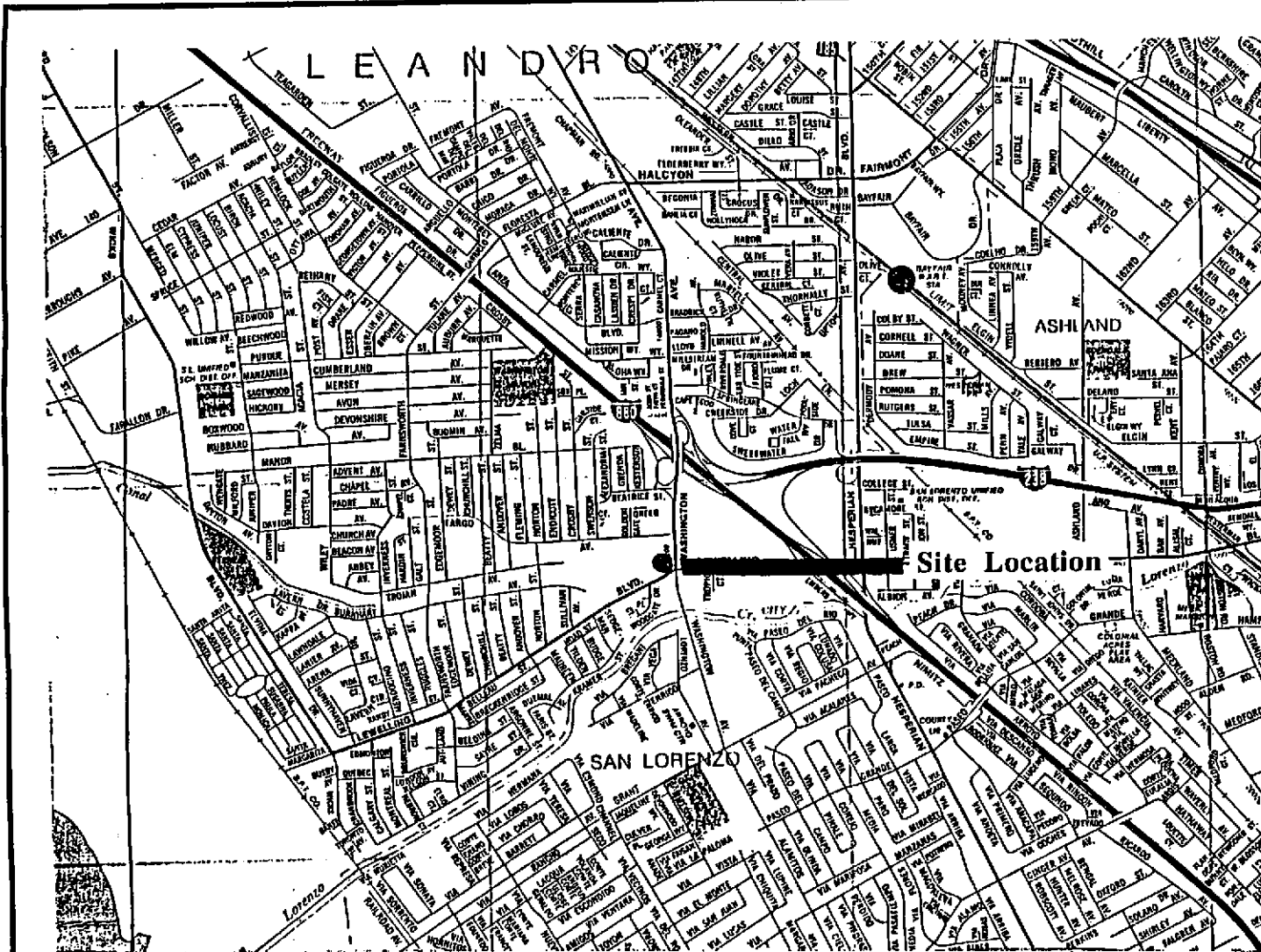
**TABLE 1**

**WELL CONCENTRATIONS  
Shell Oil Products Company  
15275 Washington  
San Leandro, California  
WIC# 204-6852-1008**

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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Notes:

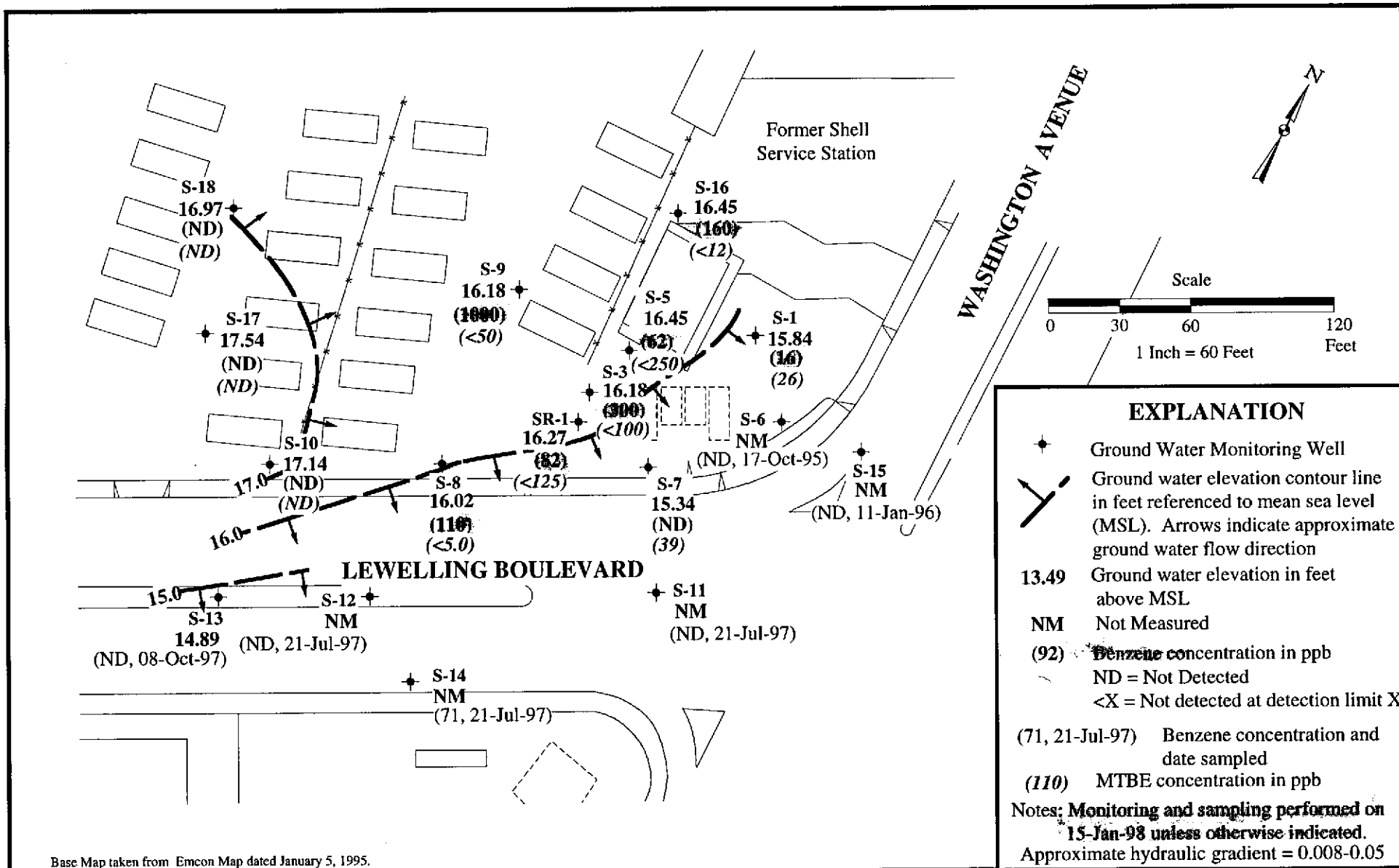
- \* = Compounds detected within the chromatographic range of gasoline but not characteristic of the standard gasoline pattern.
- \*\* = The concentration reported as gasoline is primarily due to the presence of a discrete peak not indicative of gasoline.



Note: Vicinity Map taken from California State Automobile Association Map.

<p>PLATE</p>	<p><b>SITE VICINITY MAP</b>          Shell Oil Company          15275 Washington Avenue          San Leandro, California</p>
<p><b>1</b></p>	
<p>Drawn By: JLP</p>	<p>Date: 3-23-95</p>
<p>Approved By: <i>[Signature]</i></p>	<p>Date: 3-13-98</p>

**CAMBRIA**  
240-0933



Base Map taken from Emcon Map dated January 5, 1995.

**PLATE 2 GROUND WATER CONTOUR/CHEMICAL CONCENTRATION MAP**

Shell Oil Products Company  
15275 Washington Avenue  
San Leandro, California

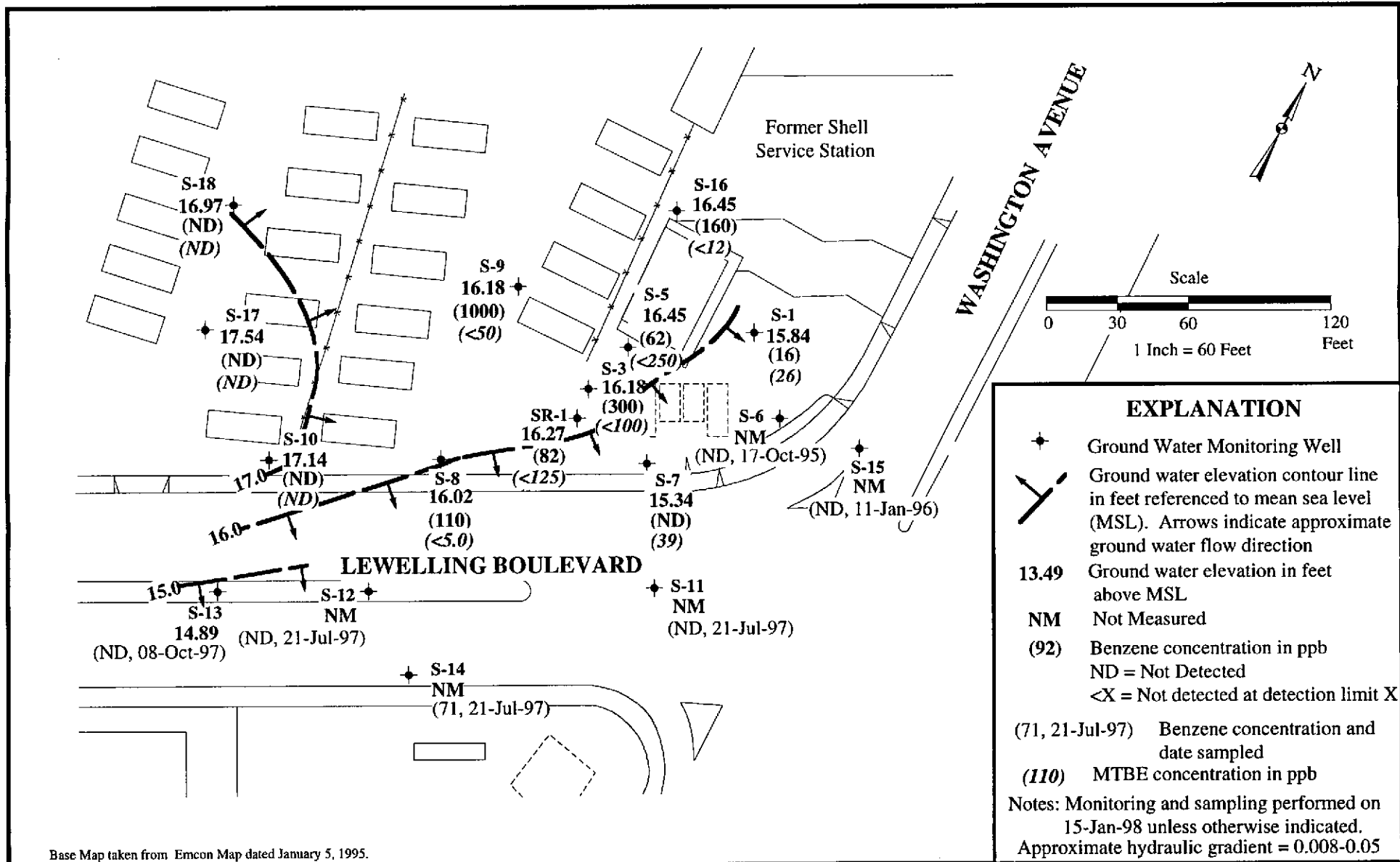
**CAMBRIA**  
240-0933

Drawn By: TNM

Date: 10-Mar-98

Approved By: \_\_\_\_\_

Date: \_\_\_\_\_



**PLATE 2** **GROUND WATER CONTOUR/CHEMICAL CONCENTRATION MAP**  
 Shell Oil Products Company  
 15275 Washington Avenue  
 San Leandro, California

**CAMBRIA**  
 240-0933

Drawn By: TNM Date: 10-Mar-98

Approved By: *[Signature]* Date: 3-13-98



**Appendix A**

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

**BLAINE**  
TECH SERVICES INC.

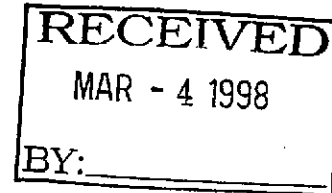


1680 ROGERS AVENUE  
SAN JOSE, CALIFORNIA 95112  
(408) 573-7771 FAX  
(408) 573-0555 PHONE

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

Attn: Alex Perez

March 3, 1998



Shell WIC #204-6852-1008  
15275 Washington Blvd.  
San Leandro, California

1st Quarter 1998

## Groundwater Monitoring Report 980115-J-1

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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	01/15/98	TOC	—	NONE	—	—	5.43	19.72
S-3 *	01/15/98	TOC	—	NONE	—	—	4.30	14.90
S-5	01/15/98	TOC	ODOR	NONE	—	—	4.58	17.78
S-7	01/15/98	TOC	—	NONE	—	—	5.51	23.74
S-8	01/15/98	TOC	—	NONE	—	—	4.30	23.96
S-9	01/15/98	TOC	ODOR	NONE	—	—	4.50	17.62
S-10	01/15/98	TOC	—	NONE	—	—	3.01	17.62
S-13	01/15/98	TOC	—	NONE	—	—	5.27	23.11
S-16	01/15/98	TOC	—	NONE	—	—	4.79	23.42
S-17	01/15/98	TOC	—	NONE	—	—	2.91	23.91
S-18	01/15/98	TOC	—	NONE	—	—	3.60	17.54
SR-1	01/15/98	TOC	—	NONE	—	—	4.30	20.78

\* Sample DUP was a duplicate sample taken from well S-3.



# SHELL OIL COMPANY

RETAIL ENVIRONMENTAL ENGINEERING - WEST

## CHAIN OF CUSTODY RECORD

Serial No: 980115-51

Date: \_\_\_\_\_  
Page 1 of 2

Site Address: 15275 Washington, San Leandro

WIC#: 204-6852-1008

Shell Engineer: R. Jeff Granberry  
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: Mat James

### Analysis Required

LAB: SEQ

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/MTBE	Asbestos	Container Size	Preparation Used	Composite Y/N
					X				
					X				
					X				
					X				
					X				
					X				
					X				
					X				
					X				

CHECK ONE (1) BOX ONLY	CT/DI	TURN AROUND TIME
Quarterly Monitoring <input checked="" type="checkbox"/>	6441	24 hours <input type="checkbox"/>
Site Investigation <input type="checkbox"/>	6441	48 hours <input type="checkbox"/>
Soil Classify/Disposal <input type="checkbox"/>	6442	16 days <input checked="" type="checkbox"/> (Normal)
Water Classify/Disposal <input type="checkbox"/>	6443	Other <input type="checkbox"/>
Soil/Air Rem. or Sys. O & M <input type="checkbox"/>	6452	
Water Rem. or Sys. O & M <input type="checkbox"/>	6453	
Other <input type="checkbox"/>		

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

Sample ID	Date	Sludge	Soil	Water	Air	No. of confs.	MATERIAL DESCRIPTION	SAMPLE CONDITION/ COMMENTS
1 91 S-1	1/15			W		3	9801880	
2 S-3						3		
3 S-5						3		
4 S-7						3		
5 S-8						3		
6 S-9						3		
7 S-10						3		
8 S-16						3		

Relinquished By (signature): <u>[Signature]</u>	Printed Name: <u>Mat James</u>	Date: <u>1/16/98</u>	Time: <u>9:30 AM</u>	Received (signature): <u>[Signature]</u>	Printed Name: <u>FUTCHER</u>	Date: <u>1/16/98</u>	Time: <u>9:30</u>
Relinquished By (signature): <u>[Signature]</u>	Printed Name:	Date: <u>1/16/98</u>	Time:	Received (signature): <u>[Signature]</u>	Printed Name:	Date:	Time:
Relinquished By (signature): <u>[Signature]</u>	Printed Name:	Date:	Time:	Received (signature): <u>[Signature]</u>	Printed Name: <u>MIKE YUNG</u>	Date: <u>1/16/98</u>	Time: <u>1:3:16</u>

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



**SHELL OIL COMPANY**  
RETAIL ENVIRONMENTAL ENGINEERING - WEST

**CHAIN OF CUSTODY RECORD**

Serial No: 98015-31

Date: 1/16/98  
Page 2 of 2

Site Address: 15275 Washington, San Leandro

WIC#: 204-6852-1008

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:

Printed Name: Math James

Analysis Required

LAB: SEQ

CHECK ONE (1) BOX ONLY	CT/DI	TURN AROUND TIME
Quality Monitoring <input checked="" type="checkbox"/>	6441	24 hours <input type="checkbox"/>
Site Investigation <input type="checkbox"/>	6441	48 hours <input type="checkbox"/>
Soil Classify/Disposal <input type="checkbox"/>	6442	16 days <input checked="" type="checkbox"/> (Horr)
Water Classify/Disposal <input type="checkbox"/>	6443	Other <input type="checkbox"/>
Soil/Air Rem. or Sys. O & M <input type="checkbox"/>	6452	NOTE: Notify Lab as soon as possible of 24/48 hr. TAT.
Water Rem. or Sys. O & M <input type="checkbox"/>	6453	
Other <input type="checkbox"/>		

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/MTBE	Asbestos	Container Size	Preparation Used	Composite Y/N
					X				
					X				
					X				
					X				

MATERIAL DESCRIPTION	SAMPLE CONDITION/ COMMENTS
<u>9801880</u>	

91 T 91  
9 ✓  
10 ✓  
11 ✓  
12 ✓

Sample ID	Date	Sludge	Soil	Water	Air	No. of conts.
<u>S-17</u>	<u>1/15</u>			<u>W</u>		<u>3</u>
<u>S-18</u>	<u>↓</u>			<u>↓</u>		<u>3</u>
<u>SR-1</u>	<u>↓</u>			<u>↓</u>		<u>3</u>
<u>DUP</u>	<u>↓</u>			<u>↓</u>		<u>3</u>

Relinquished By (signature): <u>[Signature]</u>	Printed Name: <u>Math James</u>	Date: <u>1/16/98</u> Time: <u>9:35 AM</u>	Received (signature): <u>[Signature]</u>	Printed Name: <u>Fletcher</u>	Date: <u>1/16/98</u> Time: <u>9:40</u>
Relinquished By (signature): <u>[Signature]</u>	Printed Name:	Date: <u>1/16/98</u> Time:	Received (signature): <u>[Signature]</u>	Printed Name:	Date:
Relinquished By (signature): <u>[Signature]</u>	Printed Name:	Date:	Received (signature): <u>[Signature]</u>	Printed Name: <u>MICHAEL YUW</u>	Date: <u>1/16/98</u> Time: <u>13:16</u>



Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Client Proj. ID: Shell San Leandro/980115-J1 Sample Descript: S-1 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9801880-01	Sampled: 01/15/98 Received: 01/16/98 Analyzed: 01/28/98 Reported: 02/02/98
Attention: Fran Thie		

QC Batch Number: GC012898BTEX21A  
Instrument ID: GCHP21

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE**

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	420
Methyl t-Butyl Ether	2.5	26
Benzene	0.50	16
Toluene	0.50	N.D.
Ethyl Benzene	0.50	4.6
Xylenes (Total)	0.50	3.9
Chromatogram Pattern:		C6-C12
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	100

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 San Leandro/980115-J1 Sample Descript: S-3 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9801880-02	Sampled: 01/15/98 Received: 01/16/98  Analyzed: 01/27/98 Reported: 02/02/98
Attention: Fran Thie		

QC Batch Number: GC012798BTEX17A  
Instrument ID: GCHP17

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE**

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	2000	21000
Methyl t-Butyl Ether	100	N.D.
Benzene	20	300
Toluene	20	51
Ethyl Benzene	20	770
Xylenes (Total)	20	2800
Chromatogram Pattern:		C6-C12
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	89

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

**SEQUOIA ANALYTICAL - ELAP #1210**

  
Peggy Fenner  
Project Manager



Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112 Attention: Fran Thie	Client Proj. ID: Shell San Leandro/980115-J1 Sample Descript: S-7 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9801880-04	Sampled: 01/15/98 Received: 01/16/98 Analyzed: 01/27/98 Reported: 02/02/98
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QC Batch Number: GC012798BTEX17A  
Instrument ID: GCHP17

**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	39
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70                      130	78

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 Attention: Fran Thie	Client Proj. ID: Shell San Leandro/980115-J1 Sample Descript: S-5 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9801880-03	Sampled: 01/15/98 Received: 01/16/98 Analyzed: 01/27/98 Reported: 02/02/98
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QC Batch Number: GC012798BTEX17A  
Instrument ID: GCHP17

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE**

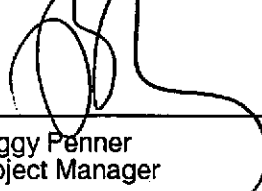
Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	5000	49000
Methyl t-Butyl Ether	250	N.D.
Benzene	50	62
Toluene	50	N.D.
Ethyl Benzene	50	93
Xylenes (Total)	50	4100
Chromatogram Pattern:		C6-C12

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	100

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 Attention: Fran Thie	Client Proj. ID: Shell San Leandro/980115-J1 Sample Descript: S-8 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9801880-05	Sampled: 01/15/98 Received: 01/16/98 Analyzed: 01/28/98 Reported: 02/02/98
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QC Batch Number: GC012898BTEX21A  
Instrument ID: GCHP21

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE**

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	100	460
Methyl t-Butyl Ether	5.0	N.D.
Benzene	1.0	110
Toluene	1.0	1.0
Ethyl Benzene	1.0	3.4
Xylenes (Total)	1.0	1.7
Chromatogram Pattern:		C6-C12
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70                      130	88

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

**SEQUOIA-ANALYTICAL - ELAP #1210**

  
Peggy Fenner  
Project Manager



Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Client Proj. ID: Shell San Leandro/980115-J1 Sample Descript: S-9 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9801880-06	Sampled: 01/15/98 Received: 01/16/98 Analyzed: 01/28/98 Reported: 02/02/98
Attention: Fran Thie		

QC Batch Number: GC012898BTEX21A  
Instrument ID: GCHP21

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE**

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	1000	9300
Methyl t-Butyl Ether	50	N.D.
Benzene	10	1000
Toluene	10	N.D.
Ethyl Benzene	10	730
Xylenes (Total)	10	24
Chromatogram Pattern:		C6-C12
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	99

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 San Leandro/980115-J1 Sample Descript: S-10 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9801880-07	Sampled: 01/15/98 Received: 01/16/98 Analyzed: 01/27/98 Reported: 02/02/98
Attention: Fran Thie		
C Batch Number: GC012798BTEX17A		
Instrument ID: GCHP17		

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE**

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas		
Methyl t-Butyl Ether	50	N.D.
Benzene	2.5	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:	0.50	N.D.
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70                      130	90

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

SEQUOIA ANALYTICAL - ELAP #1210

  
\_\_\_\_\_  
Fran Thie  
Project Manager





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Client Proj. ID: Shell San Leandro/980115-J1 Sample Descript: S-16 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9801880-08	Sampled: 01/15/98 Received: 01/16/98  Analyzed: 01/28/98 Reported: 02/02/98
Attention: Fran Thie		

QC Batch Number: GC012898BTEX21A  
Instrument ID: GCHP21

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE**

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	250	650
Methyl t-Butyl Ether	12	N.D.
Benzene	2.5	160
Toluene	2.5	2.7
Ethyl Benzene	2.5	8.7
Xylenes (Total)	2.5	62
Chromatogram Pattern:		C6-C12
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	92

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 Attention: Fran Thie	Client Proj. ID: Shell San Leandro/980115-J1 Sample Descript: S-17 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9801880-09	Sampled: 01/15/98 Received: 01/16/98 Analyzed: 01/27/98 Reported: 02/02/98
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QC Batch Number: GC012798BTEX17A  
Instrument ID: GCHP17

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE**

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	380
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	0.94
Chromatogram Pattern:		C10-C12
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	90

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 San Leandro/980115-J1 Sample Descript: S-18 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9801880-10	Sampled: 01/15/98 Received: 01/16/98  Analyzed: 01/29/98 Reported: 02/02/98
Attention: Fran Thie		

QC Batch Number: GC012998BTEX06A  
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	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:		
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70                      130	85

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 San Leandro/980115-J1 Sample Descript: SR-1 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9801880-11	Sampled: 01/15/98 Received: 01/16/98 Analyzed: 01/29/98 Reported: 02/02/98
Attention: Fran Thie		

QC Batch Number: GC012998BTEX06A  
Instrument ID: GCHP06

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE**

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	2500	8100
Methyl t-Butyl Ether	125	N.D.
Benzene	25	82
Toluene	25	N.D.
Ethyl Benzene	25	36
Xylenes (Total)	25	2300
Chromatogram Pattern:		C6-C12

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70      130	89

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 San Leandro/980115-J1 Sample Descript: DUP Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9801880-12	Sampled: 01/15/98 Received: 01/16/98 Analyzed: 01/29/98 Reported: 02/02/98
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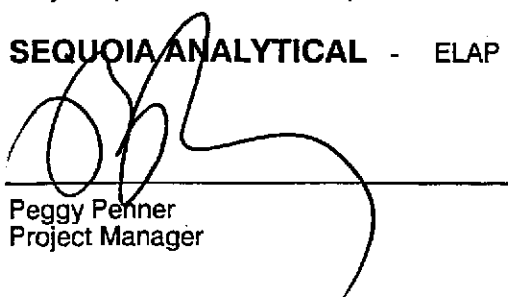
QC Batch Number: GC012998BTEX06A  
Instrument ID: GCHP06

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE**

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	5000	14000
Methyl t-Butyl Ether	250	N.D.
Benzene	50	330
Toluene	50	63
Ethyl Benzene	50	920
Xylenes (Total)	50	3400
Chromatogram Pattern:		C6-C12
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70                      130	77

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

Client Project ID: Shell San Leandro / 980115-J1  
Matrix: Liquid

Work Order #: 9801880 -01, 05-06, 08

Reported: Feb 3, 1998

**QUALITY CONTROL DATA REPORT**

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Gas
QC Batch#:	GC012898BTEX21A	GC012898BTEX21A	GC012898BTEX21A	GC012898BTEX21A	GC012898BTEX21A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015M
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	A. Miraftab	A. Miraftab	A. Miraftab	A. Miraftab	A. Miraftab
MS/MSD #:	980196701	980196701	980196701	980196701	980196701
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	1/28/98	1/28/98	1/28/98	1/28/98	1/28/98
Analyzed Date:	1/28/98	1/28/98	1/28/98	1/28/98	1/28/98
Instrument I.D.#:	GCHP21	GCHP21	GCHP21	GCHP21	GCHP21
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
Result:	9.3	9.1	9.0	26	49
MS % Recovery:	93	91	90	87	82
Dup. Result:	9.5	9.4	9.4	28	52
MSD % Recov.:	95	94	94	93	87
RPD:	2.1	3.2	4.3	7.4	5.9
RPD Limit:	0-25	0-25	0-25	0-25	0-25

LCS #:	BLK012898	BLK012898	BLK012898	BLK012898	BLK012898
Prepared Date:	1/28/98	1/28/98	1/28/98	1/28/98	1/28/98
Analyzed Date:	1/28/98	1/28/98	1/28/98	1/28/98	1/28/98
Instrument I.D.#:	GCHP21	GCHP21	GCHP21	GCHP21	GCHP21
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
LCS Result:	9.4	9.2	9.2	27	52
LCS % Recov.:	94	92	92	90	87

MS/MSD	60-140	60-140	60-140	60-140	60-140
LCS	70-130	70-130	70-130	70-130	70-130
Control Limits					

**SEQUOIA ANALYTICAL**  
  
Reggy Penner  
Project Manager

**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

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# Sequoia Analytical

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

Client Project ID: Shell San Leandro / 980115-J1  
Matrix: Liquid

Work Order #: 9801880-02-04, 07, 09

Reported: Feb 3, 1998

## QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Gas
QC Batch#:	GC012798BTEX17A	GC012798BTEX17A	GC012798BTEX17A	GC012798BTEX17A	GC012798BTEX17A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015M
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	A. Miraftab	A. Miraftab	A. Miraftab	A. Miraftab	A. Miraftab
MS/MSD #:	980184401	980184401	980184401	980184401	980184401
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	1/27/98	1/27/98	1/27/98	1/27/98	1/27/98
Analyzed Date:	1/27/98	1/27/98	1/27/98	1/27/98	1/27/98
Instrument I.D.#:	GCHP17	GCHP17	GCHP17	GCHP17	GCHP17
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
Result:	10	9.4	9.4	29	61
MS % Recovery:	100	94	94	97	102
Dup. Result:	9.6	9.1	8.8	28	59
MSD % Recov.:	96	91	88	93	98
RPD:	4.1	3.2	6.6	3.5	3.3
RPD Limit:	0-25	0-25	0-25	0-25	0-25

LCS #:	BLK012798	BLK012798	BLK012798	BLK012798	BLK012798
Prepared Date:	1/27/98	1/27/98	1/27/98	1/27/98	1/27/98
Analyzed Date:	1/27/98	1/27/98	1/27/98	1/27/98	1/27/98
Instrument I.D.#:	GCHP17	GCHP17	GCHP17	GCHP17	GCHP17
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
LCS Result:	9.9	9.4	9.3	28	59
LCS % Recov.:	99	94	93	93	98

MS/MSD	60-140	60-140	60-140	60-140	60-140
LCS	70-130	70-130	70-130	70-130	70-130
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

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SEQUOIA ANALYTICAL

Peggy Penner  
Project Manager



# Sequoia Analytical

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

Client Project ID: Shell San Leandro / 980115-J1  
Matrix: Liquid

Work Order #: 9801880-10-12

Reported: Feb 3, 1998

## QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Gas
QC Batch#:	GC012998BTEX06A	GC012998BTEX06A	GC012998BTEX06A	GC012998BTEX06A	GC012998BTEX06A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015M
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	J. Miller	J. Miller	J. Miller	J. Miller	J. Miller
MS/MSD #:	980197103	980197103	980197103	980197103	980197103
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	1/29/98	1/29/98	1/29/98	1/29/98	1/29/98
Analyzed Date:	1/29/98	1/29/98	1/29/98	1/29/98	1/29/98
Instrument I.D.#:	GCHP6	GCHP6	GCHP6	GCHP6	GCHP6
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
Result:	12	12	13	37	62
MS % Recovery:	120	120	130	123	103
Dup. Result:	12	12	13	37	60
MSD % Recov.:	120	120	130	123	100
RPD:	0.0	0.0	0.0	0.0	3.3
RPD Limit:	0-25	0-25	0-25	0-25	0-25

LCS #:	BLK012998	BLK012998	BLK012998	BLK012998	BLK012998
Prepared Date:	1/29/98	1/29/98	1/29/98	1/29/98	1/29/98
Analyzed Date:	1/29/98	1/29/98	1/29/98	1/29/98	1/29/98
Instrument I.D.#:	GCHP6	GCHP6	GCHP6	GCHP6	GCHP6
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
LCS Result:	13	13	13	39	63
LCS % Recov.:	130	130	130	130	105

MS/MSD	60-140	60-140	60-140	60-140	60-140
LCS	70-130	70-130	70-130	70-130	70-130
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.

SEQUOIA ANALYTICAL

Peggy Penner  
Project Manager

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

9801880.BLA <3>





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

Client Proj. ID: Shell San Leandro/980115-J1

Received: 01/16/98

Lab Proj. ID: 9801880

Reported: 02/02/98

### LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 17 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

