CAMBRIA

July 15, 1998

Mr. Alex Perez
Equilon Enterprises, LLC
P.O. Box 8080
Martinez, California 94553

Re: **Quarterly Monitoring Report - Second Quarter 1998**
Former Shell Service Station
500 40th Avenue
Oakland, California
WIC #204-5508-4903

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 Alameda County Health Care Services Agency and the Regional Water Quality Control Board, San Francisco Bay Region.

Monitoring & Sampling Summary

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

- Blaine Tech Services, Inc. (Blaine) of San Jose, California measured ground water levels from Wells EW-1, MW-2 through MW-5, OMW-6, MW-8, and OMW-9 through OMW-13 and collected samples from Wells EW-1, MW-2, MW-3, MW-5, OMW-6, MW-8, and OMW-9 through OMW-13 on May 11, 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 map (Plate 2). Ground water flow is generally southwesterly at an approximate hydraulic gradient of 0.02.

Oakland, CA
Sonoma, CA
Portland, OR
Seattle, WA

Cambria Environmental Technology, Inc.

270 Perkins Street
P.O. Box 259
Sonoma, CA 95476
Tel (707)935-4850
Fax (707)935-6649

Quarterly Sampling

Ground water samples collected from the wells were 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 collected and analyzed for quality control purposes.

Field monitoring data and chemical analytical data are summarized in Table 1. A chemical concentration map is presented as Plate 2. Blaine's ground water monitoring report is presented in Appendix A.

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.
Principal 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

TABLE 1

WELL CONCENTRATIONS
Former Shell Service Station
500 40th Avenue
Oakland, California
WIC #204-5508-4903

Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	Comments
EW-1	**Top casing elevation (ft):**			**78.26**							
06-Aug-91	NA	NA	NA	180	<50	5.4	<0.5	0.9	0.7	NA	
30-Oct-91	12.72	65.54	0.00	70	<50	2.6	<0.5	<0.5	<0.5	NA	
15-Feb-92	NA	NA	NA	<50	NA	2.1	<0.5	<0.5	<0.5	NA	
18-Mar-92	11.71	66.55	0.00	NA	NA	NA	NA	NA	NA	NA	
22-May-92	12.84	65.42	0.00	99	NA	4.1	<0.5	<0.5	<0.5	NA	
19-Aug-92	13.04	65.22	0.00	140	NA	6.6	<0.5	<0.5	<0.5	NA	
18-Nov-92	12.90	65.36	0.00	56	NA	<0.5	<0.5	<0.5	<0.5	NA	
11-Feb-93	11.28	66.98	0.00	63	NA	<0.5	<0.5	<0.5	0.9	NA	
19-May-93	12.52	65.74	0.00	60 (b)	NA	<0.5	<0.5	<0.5	<0.5	NA	
18-Aug-93	12.48	65.78	0.00	NA	NA	NA	NA	NA	NA	NA	
17-Nov-93	12.63	65.63	0.00	170	NA	17	<0.5	<0.5	<0.5	NA	
18-Feb-94	11.38	66.88	0.00	NA	NA	NA	NA	NA	NA	NA	
26-May-94	12.02	66.24	0.00	<50	NA	3.5	<0.5	<0.5	0.51	NA	
29-Aug-94	12.76	65.50	0.00	NA	NA	NA	NA	NA	NA	NA	
11-Nov-94	11.08	67.18	0.00	200	NA	13	0.88	<0.5	<0.5	NA	
03-Feb-95	10.88	67.38	0.00	NA	NA	NA	NA	NA	NA	NA	
07-May-95	11.32	66.94	0.00	90	NA	8.6	<0.5	<0.5	<0.5	NA	
02-Aug-95	11.76	66.50	0.00	NA	NA	NA	NA	NA	NA	NA	
02-Nov-95	12.80	65.46	0.00	240	NA	12	1.5	0.6	1.9	NA	
24-Feb-96	10.15	68.11	0.00	NA	NA	NA	NA	NA	NA	NA	
04-May-96	12.26	66.00	0.00	<50	NA	1.4	<0.50	<0.50	<0.50	4.1	
07-Sep-96	13.43	64.83	0.00	NA	NA	NA	NA	NA	NA	NA	
24-Nov-96	12.24	66.02	0.00	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	
23-Feb-97	12.20	66.06	0.00	NA	NA	NA	NA	NA	NA	NA	
01-May-97	12.97	65.29	0.00	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	

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Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	Comments
22-Jul-97	13.43	64.83	0.00	NA	NA	NA	NA	NA	NA	NA	
04-Nov-97	13.20	65.06	0.00	<50	NA	<0.50	<0.50	<0.50	<0.50	<5.0	
21-Jan-98	10.52	67.74	0.00	NA	NA	NA	NA	NA	NA	NA	
11-May-98	12.35	65.91	0.00	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	
EW-1 (DUP)											
11-Feb-93	NA	NA	NA	63	NA	<0.5	<0.5	<0.5	0.8	NA	
17-Nov-93	NA	NA	NA	190	NA	17	<0.5	<0.5	<0.5	NA	
MW-2	**Top casing elevation (ft):**			**80.80**							
06-Aug-91	12.12	68.68	0.00	1200	230	59	1.1	38	56	NA	
30-Oct-91	11.70	69.10	0.00	520	300	56	<0.5	56	100	NA	
15-Feb-92	NA	NA	NA	2300	2200 (a)	87	<2.5	88	150	NA	
18-Mar-92	11.10	69.70	0.00	NA	NA	NA	NA	NA	NA	NA	
22-May-92	12.12	68.68	0.00	700	NA	24	1.0	34	48	NA	
19-Aug-92	12.18	68.62	0.00	740	NA	21	<2.5	24	26	NA	
18-Nov-92	12.03	68.77	0.00	920	NA	19	<2.5	30	51	NA	
11-Feb-93	11.15	69.65	0.00	1000	NA	25	6.0	43	73	NA	
19-May-93	11.80	69.00	0.00	570	NA	19	<0.5	37	42	NA	
18-Aug-93	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
17-Nov-93	12.00	68.80	0.00	250	NA	10	<1.0	26	20	NA	
18-Feb-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
26-May-94	11.61	69.19	0.00	620	NA	17	1.4	25	31	NA	
29-Aug-94	11.96	68.84	0.00	NA	NA	NA	NA	NA	NA	NA	
11-Nov-94	10.74	70.06	0.00	1100	NA	28	3.1	39	65	NA	
03-Feb-95	11.58	69.22	0.00	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)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	Comments
07-May-95	10.98	69.82	0.00	700	NA	15	<0.5	35	39	NA	
02-Aug-95	11.90	68.90	0.00	NA	NA	NA	NA	NA	NA	NA	
02-Nov-95	12.12	68.68	0.00	140	NA	2.3	<0.5	4.4	3.7	NA	
24-Feb-96	10.25	70.55	0.00	NA	NA	NA	NA	NA	NA	NA	
04-May-96	11.30	69.50	0.00	140	NA	2.1	<0.50	4.6	4.9	6.2	
07-Sep-96	15.10	65.70	0.00	NA	NA	NA	NA	NA	NA	NA	
24-Nov-96	12.13	68.67	0.00	620	NA	9.7	<0.50	2.0	46	<2.5	
23-Feb-97	12.01	68.79	0.00	NA	NA	NA	NA	NA	NA	NA	
01-May-97	12.94	67.86	0.00	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	
22-Jul-97	13.22	67.58	0.00	NA	NA	NA	NA	NA	NA	NA	
04-Nov-97	13.00	67.80	0.00	<50	NA	<0.50	<0.50	<0.50	<0.50	<5.0	
21-Jan-98	10.47	70.33	0.00	NA	NA	NA	NA	NA	NA	NA	
11-May-98	12.49	68.31	0.00	59	NA	0.56	<0.50	<0.50	<0.50	<2.5	
MW-2 (DUP)											
19-Aug-92	NA	NA	NA	840	NA	31	<2.5	36	43	NA	
18-Nov-92	NA	NA	NA	870	NA	25	<2.5	34	52	NA	
26-May-94	NA	NA	NA	600	NA	16	1.2	24	29	NA	
MW-3	**Top casing elevation (ft):**			**79.60**							
06-Aug-91	11.12	68.48	0.00	1900	470	220	57	57	260	NA	
30-Oct-91	10.93	68.67	0.00	1900	480	160	28	63	180	NA	
15-Feb-92	NA	NA	NA	2300	780 (a)	170	31	59	180	NA	
18-Mar-92	10.54	69.06	0.00	NA	NA	NA	NA	NA	NA	NA	
22-May-92	10.79	68.81	0.00	1500	NA	160	20	44	140	NA	
19-Aug-92	11.23	68.37	0.00	4500	NA	210	64	89	310	NA	

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18-Nov-92	11.20	68.40	0.00	2400	NA	81	14	39	140	NA	
11-Feb-93	11.00	68.60	0.00	3000	NA	200	47	90	260	NA	
19-May-93	11.16	68.44	0.00	2100	NA	240	44	100	330	NA	
18-Aug-93	11.35	68.25	0.00	NA	NA	NA	NA	NA	NA	NA	
17-Nov-93	11.10	68.50	0.00	1000	NA	110	13	60	150	NA	
18-Feb-94	10.76	68.84	0.00	NA	NA	NA	NA	NA	NA	NA	
26-May-94	11.85	67.75	0.00	1100	NA	200	17	29	58	NA	
29-Aug-94	10.40	69.20	0.00	NA	NA	NA	NA	NA	NA	NA	
11-Nov-94	10.04	69.56	0.00	870	NA	130	10	38	87	NA	
03-Feb-95	10.06	69.54	0.00	NA	NA	NA	NA	NA	NA	NA	
07-May-95	10.11	69.49	0.00	1300	NA	180	7.5	54	110	NA	
02-Aug-95	11.02	68.58	0.00	NA	NA	NA	NA	NA	NA	NA	
02-Nov-95	10.97	68.63	0.00	370	NA	36	1.8	16	21	NA	
24-Feb-96	9.61	69.99	0.00	NA	NA	NA	NA	NA	NA	NA	
04-May-96	10.40	69.20	0.00	460	NA	54	1.9	18	28	20	
07-Sep-96	13.55	66.05	0.00	NA	NA	NA	NA	NA	NA	NA	
24-Nov-96	11.83	67.77	0.00	2800	NA	290	<10	29	39	<50	
23-Feb-97	11.81	67.79	0.00	NA	NA	NA	NA	NA	NA	NA	
01-May-97	12.34	67.26	0.00	2000	NA	120	<5.0	53	14	60	
22-Jul-97	12.86	66.74	0.00	NA	NA	NA	NA	NA	NA	NA	
04-Nov-97	12.62	66.98	0.00	470	NA	120	<2.5	<2.5	7.3	<25	
21-Jan-98	10.78	68.82	0.00	NA	NA	NA	NA	NA	NA	NA	
11-May-98	11.98	67.62	0.00	4400	NA	260	<10	220	36	170	
MW-3 (DUP)											
11-Nov-94	NA	NA	NA	1000	NA	120	10	42	92	NA	

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MW-4	**Top casing elevation (ft):**			**81.00**							
06-Aug-91	12.36	68.64	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	
30-Oct-91	12.02	68.98	0.00	50	<50	<0.5	<0.5	<0.5	<0.5	NA	
15-Feb-92	NA	NA	NA	90	NA	0.9	<0.5	<0.5	<0.5	NA	
18-Mar-92	11.34	69.66	0.00	NA	NA	NA	NA	NA	NA	NA	
22-May-92	12.35	68.65	0.00	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	
19-Aug-92	12.41	68.59	0.00	82 (b)	NA	<0.5	<0.5	<0.5	<0.5	NA	
18-Nov-92	12.28	68.72	0.00	85 (b)	NA	<0.5	<0.5	<0.5	<0.5	NA	
11-Feb-93	11.65	69.35	0.00	62 (b)	NA	<0.5	<0.5	<0.5	<0.5	NA	
19-May-93	11.92	69.08	0.00	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	
18-Aug-93	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
17-Nov-93	12.24	68.76	0.00	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	
18-Feb-94	11.69	69.31	0.00	NA	NA	NA	NA	NA	NA	NA	
26-May-94	12.00	69.00	0.00	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	
11-Nov-94	11.30	69.70	0.00	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	
03-Feb-95	10.99	70.01	0.00	NA	NA	NA	NA	NA	NA	NA	
07-May-95	11.69	69.31	0.00	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	
02-Aug-95	11.72	69.28	0.00	NA	NA	NA	NA	NA	NA	NA	
02-Nov-95	12.23	68.77	0.00	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	
24-Feb-96	11.13	69.87	0.00	NA	NA	NA	NA	NA	NA	NA	
04-May-96	11.80	69.20	0.00	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	
07-Sep-96	13.27	67.73	0.00	NA	NA	NA	NA	NA	NA	NA	
24-Nov-96	12.42	68.58	0.00	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	
23-Feb-97	12.38	68.62	0.00	NA	NA	NA	NA	NA	NA	NA	
01-May-97	13.08	67.92	0.00	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	
22-Jul-97	13.73	67.27	0.00	NA	NA	NA	NA	NA	NA	NA	

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04-Nov-97	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
21-Jan-98	11.41	69.59	0.00	NA	NA	NA	NA	NA	NA	NA	
11-May-98	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
MW-5	**Top casing elevation (ft):**			**81.50**							
06-Aug-91	13.02	68.48	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	
30-Oct-91	12.73	68.77	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	
15-Feb-92	NA	NA	NA	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	
18-Mar-92	12.52	68.98	0.00	NA	NA	NA	NA	NA	NA	NA	
22-May-92	13.05	68.45	0.00	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	
19-Aug-92	13.04	68.46	0.00	55 (b)	NA	<0.5	<0.5	<0.5	<0.5	NA	
18-Nov-92	12.91	68.59	0.00	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	
11-Feb-93	12.44	69.06	0.00	59 (b)	NA	<0.5	<0.5	<0.5	<0.5	NA	
19-May-93	12.84	68.66	0.00	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	
17-Nov-93	12.89	68.61	0.00	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	
18-Feb-94	12.30	69.20	0.00	NA	NA	NA	NA	NA	NA	NA	
26-May-94	12.73	68.77	0.00	<50	NA	1.8	2.4	1.3	4.9	NA	
29-Aug-94	12.88	68.62	0.00	NA	NA	NA	NA	NA	NA	NA	
11-Nov-94	12.20	69.30	0.00	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	
03-Feb-95	11.78	69.72	0.00	NA	NA	NA	NA	NA	NA	NA	
07-May-95	12.47	69.03	0.00	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	
02-Aug-95	12.83	68.67	0.00	NA	NA	NA	NA	NA	NA	NA	
02-Nov-95	13.02	68.48	0.00	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	
24-Feb-96	12.11	69.39	0.00	NA	NA	NA	NA	NA	NA	NA	
04-May-96	13.20	68.30	0.00	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	
07-Sep-96	14.24	67.26	0.00	NA	NA	NA	NA	NA	NA	NA	

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24-Nov-96	13.58	67.92	0.00	<50	NA	<0.50	<0.5	<0.50	<0.50	<2.5	
23-Feb-97	13.54	67.96	0.00	NA	NA	NA	NA	NA	NA	NA	
01-May-97	14.17	67.33	0.00	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	
22-Jul-97	14.35	67.15	0.00	NA	NA	NA	NA	NA	NA	NA	
04-Nov-97	14.30	67.20	0.00	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	
21-Jan-98	12.86	68.64	0.00	NA	NA	NA	NA	NA	NA	NA	
11-May-98	13.89	67.61	0.00	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	
MW-5 (DUP)											
19-May-93	NA	NA	NA	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	
04-Nov-97	NA	NA	NA	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	
OMW-6	**Top casing elevation (ft):**			**77.90**							
06-Aug-91	10.71	67.19	0.00	26000	3600	910	420	560	1900	NA	
30-Oct-91	10.50	67.40	0.00	20000	4600	710	240	410	1700	NA	
15-Feb-92	NA	NA	NA	35000	27000	690	420	650	3000	NA	
18-Mar-92	9.24	68.66	0.00	NA	NA	NA	NA	NA	NA	NA	
22-May-92	10.13	67.77	0.00	15000	NA	460	110	300	1600	NA	
19-Aug-92	10.16	67.74	0.00	24000	NA	600	300	460	2000	NA	
18-Nov-92	9.94	67.96	0.00	29000	NA	480	250	450	2300	NA	
11-Feb-93	9.20	68.70	0.00	24000	NA	1300	250	630	2400	NA	
19-May-93	10.64	67.86	0.00	18000	NA	750	180	520	2500	NA	
18-Aug-93	10.04	67.86	0.00	NA	NA	NA	NA	NA	NA	NA	
17-Nov-93	10.12	67.78	0.00	14000	NA	260	64	430	1900	NA	
18-Feb-94	9.65	68.25	0.00	NA	NA	NA	NA	NA	NA	NA	
26-May-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible

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Oakland, California
WIC #204-5508-4903

Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	Comments
29-Aug-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
11-Nov-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
03-Feb-95	8.96	68.94	0.00	NA	NA	NA	NA	NA	NA	NA	
07-May-95	8.64	69.26	0.00	11000	NA	460	82	280	540	NA	
02-Aug-95	12.09	65.81	0.00	NA	NA	NA	NA	NA	NA	NA	
24-Feb-96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
04-May-96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
07-Sep-96	14.45	63.45	0.00	NA	NA	NA	NA	NA	NA	NA	
24-Nov-96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
23-Feb-97	13.12	64.78	0.00	NA	NA	NA	NA	NA	NA	NA	
01-May-97	13.19	64.71	0.00	17000	NA	630	52	610	1300	380	
22-Jul-97	13.52	64.38	0.00	NA	NA	NA	NA	NA	NA	NA	
04-Nov-97	13.12	64.78	0.00	10000	NA	610	23	410	820	<100	
21-Jan-98	12.19	65.71	0.00	NA	NA	NA	NA	NA	NA	NA	
11-May-98	12.71	65.19	0.00	14000	NA	500	32	900	1000	110	
OMW-6 (DUP)											
07-May-95	NA	NA	NA	14000	NA	480	61	230	370	NA	
01-May-97	NA	NA	NA	20000	NA	630	54	630	1300	500	MTBE by 8260: <20 ppb
11-May-98	NA	NA	NA	14000	NA	490	<25	900	980	370	
MW-8	**Top casing elevation (ft):**			**79.91**							
06-Aug-91	13.08	66.83	0.00	90	<50	<0.5	<0.5	<0.5	<0.5	NA	
30-Oct-91	12.87	67.04	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	
15-Feb-92	NA	NA	NA	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	
18-Mar-92	11.54	68.37	0.00	NA	NA	NA	NA	NA	NA	NA	

TABLE 1

WELL CONCENTRATIONS
Former Shell Service Station
500 40th Avenue
Oakland, California
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Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	Comments
22-May-92	12.32	67.59	0.00	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	
19-Aug-92	12.58	67.33	0.00	60	NA	<0.5	<0.5	<0.5	<0.5	NA	
18-Nov-92	12.47	67.44	0.00	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	
11-Feb-93	11.02	68.89	0.00	76 (b)	NA	<0.5	<0.5	<0.5	<0.5	NA	
19-May-93	11.78	68.13	0.00	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	
18-Aug-93	12.22	67.69	0.00	NA	NA	NA	NA	NA	NA	NA	
17-Nov-93	12.25	67.66	0.00	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	
18-Feb-94	10.56	69.35	0.00	NA	NA	NA	NA	NA	NA	NA	
26-May-94	11.30	68.61	0.00	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	
29-Aug-94	11.90	68.01	0.00	NA	NA	NA	NA	NA	NA	NA	
11-Nov-94	10.12	69.79	0.00	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	
03-Feb-95	11.64	68.27	0.00	NA	NA	NA	NA	NA	NA	NA	
07-May-95	10.77	69.14	0.00	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	
02-Aug-95	10.92	68.99	0.00	NA	NA	NA	NA	NA	NA	NA	
02-Nov-95	11.93	67.98	0.00	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	
24-Feb-96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
04-May-96	11.66	68.25	0.00	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	
07-Sep-96	9.84	70.07	0.00	NA	NA	NA	NA	NA	NA	NA	
24-Nov-96	11.53	68.38	0.00	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	
23-Feb-97	11.54	68.37	0.00	NA	NA	NA	NA	NA	NA	NA	
01-May-97	12.37	67.54	0.00	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	
22-Jul-97	12.73	67.18	0.00	NA	NA	NA	NA	NA	NA	NA	
04-Nov-97	12.60	67.31	0.00	50	NA	<0.50	<0.50	<0.50	<0.50	<5.0	
21-Jan-98	9.73	70.18	0.00	NA	NA	NA	NA	NA	NA	NA	
11-May-98	11.93	67.98	0.00	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	

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WELL CONCENTRATIONS
Former Shell Service Station
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Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	Comments
OMW-9	**Top casing elevation (ft):**			**77.71**							
06-Aug-91	10.38	67.33	0.00	3900	190	58	8.8	80	220	NA	
30-Oct-91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
18-Mar-92	8.76	68.95	0.00	1800 (c)	210	84	11	49	60	NA	
20-May-92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
19-Aug-92	9.98	67.73	0.00	4600	22 (a)	63	<25	48	70	NA	
18-Nov-92	9.81	67.90	0.00	1800	130 (a)	30	9.2	46	61	NA	
11-Feb-93	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
19-May-93	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
18-Aug-93	9.75	67.96	0.00	NA	NA	NA	NA	NA	NA	NA	
17-Nov-93	9.92	67.79	0.00	5900	2400 (d)	86	14	150	46	NA	
18-Feb-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
26-May-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
29-Aug-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
11-Nov-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
03-Feb-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
07-May-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
02-Aug-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
24-Feb-96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
04-May-96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
07-Sep-96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well inaccessible
24-Nov-96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessilbe
23-Feb-97	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
01-May-97	12.10	65.61	0.00	4700	1100	150	14	97	52	330	
22-Jul-97	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
04-Nov-97	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible

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WELL CONCENTRATIONS
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Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	Comments
21-Jan-98	11.32	66.39	0.00	NA	NA	NA	NA	NA	NA	NA	
11-May-98	11.95	65.76	0.00	5500	1500	220	10	160	91	110	
OMW-10	**Top casing elevation (ft):**			**77.91**							
07-Aug-91	10.00	67.91	0.00	460	<50	73	1.0	18	8.4	NA	
31-Oct-91	10.10	67.81	0.00	630	150	100	<0.5	33	26	NA	
15-Feb-92	NA	NA	NA	810	570 (a)	85	2.5	44	38	NA	
18-Mar-92	9.55	68.36	0.00	NA	NA	NA	NA	NA	NA	NA	
21-May-92	10.41	67.50	0.00	280	NA	47	0.7	4.0	3.1	NA	
19-Aug-92	10.46	67.45	0.00	330	NA	35	<1	6.0	4.1	NA	
18-Nov-93	10.31	67.60	0.00	300	NA	30	0.8	7.1	6.3	NA	
11-Feb-93	9.68	68.23	0.00	510 (b)	NA	49	3.8	18	18	NA	
19-May-93	10.19	67.72	0.00	<50	NA	96	<0.5	3.4	1.5	NA	
18-Aug-93	10.29	67.62	0.00	NA	NA	NA	NA	NA	NA	NA	
17-Nov-93	10.32	67.59	0.00	400	NA	24	<1.0	2.8	1.9	NA	
18-Feb-94	9.30	68.61	0.00	NA	NA	NA	NA	NA	NA	NA	
26-May-94	10.14	67.77	0.00	330	NA	32	13	7.5	26	NA	
09-Aug-94	10.38	67.53	0.00	NA	NA	NA	NA	NA	NA	NA	
11-Nov-94	9.34	68.57	0.00	110	NA	7.8	<0.5	2.3	1.5	NA	
03-Feb-95	10.17	67.74	0.00	NA	NA	NA	NA	NA	NA	NA	
07-May-95	9.63	68.28	0.00	1600	NA	110	3.1	17	12	NA	
02-Aug-95	10.07	67.84	0.00	NA	NA	NA	NA	NA	NA	NA	
02-Nov-95	9.74	68.17	0.00	1200	NA	47	0.8	1.4	2.4	NA	
24-Feb-96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
04-May-96	9.97	67.94	0.00	1100	NA	76	16	7.4	32	57	
07-Sep-96	13.00	64.91	0.00	NA	NA	NA	NA	NA	NA	NA	

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WELL CONCENTRATIONS
Former Shell Service Station
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Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	Comments
24-Nov-96	12.56	65.35	0.00	540	NA	13	2.7	1.3	1.7	16	
23-Feb-97	12.52	65.39	0.00	NA	NA	NA	NA	NA	NA	NA	
01-May-97	13.13	64.78	0.00	910	NA	1.3	10	4.1	5.9	4.1	
22-Jul-97	13.46	64.45	0.00	NA	NA	NA	NA	NA	NA	NA	
04-Nov-97	12.08	65.83	0.00	460	NA	5.0	<0.50	1.3	2.2	<5.0	
21-Jan-98	11.77	66.14	0.00	NA	NA	NA	NA	NA	NA	NA	
11-May-98	12.86	65.05	0.00	370	NA	4.1	0.70	<0.50	0.88	5.2	
OMW-10 (DUP)											
02-Nov-95	NA	NA	NA	1300	NA	50	0.8	1.5	2.5	NA	
04-May-96	NA	NA	NA	700	NA	63	13	6.4	25	21	
24-Nov-96	NA	NA	NA	490	NA	25	<2.0	<2.0	<2.0	66	
OMW-11	**Top casing elevation (ft):**			**75.76**							
22-Nov-91	11.90	63.86	0.00	450	240	1.1	<0.5	<0.5	<0.5	NA	
15-Feb-92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
18-Mar-92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
20-May-92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
19-Aug-92	12.06	63.70	0.00	270 (b)	<50	<0.5	<0.5	<0.5	<0.5	NA	
18-Nov-92	12.01	63.75	0.00	400 (b)	100	<0.5	<0.5	<0.5	<0.5	NA	
11-Feb-93	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
20-May-93	11.90	63.86	0.00	200 (b)	<0.5	<0.5	<0.5	<0.5	<0.5	NA	
18-Aug-93	11.90	63.86	0.00	180 (b)	<50	<0.5	<0.5	<0.5	<0.5	NA	
17-Nov-93	11.94	63.82	0.00	150 (b)	<50 (d)	<0.5	3.6	<0.5	<0.5	NA	
18-Feb-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
26-May-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible

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WELL CONCENTRATIONS
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Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	Comments
29-Aug-94	11.98	63.78	0.00	NA	NA	NA	NA	NA	NA	NA	
11-Nov-94	10.88	64.88	0.00	160	NA	<0.5	<0.5	<0.5	<0.5	NA	
03-Feb-95	10.62	65.14	0.00	NA	NA	NA	NA	NA	NA	NA	
05-Mar-95	NA	NA	NA	220	100	0.7	<0.5	<0.5	<0.5	NA	
07-May-95	11.49	64.27	0.00	160	<50	<0.5	<0.5	<0.5	<0.5	NA	
02-Aug-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
24-Feb-96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
04-May-96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
07-Sep-96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
24-Nov-96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
23-Feb-97	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
01-May-97	13.76	62.00	0.00	130	71	<0.50	<0.50	<0.50	0.61	<2.5	
22-Jul-97	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
04-Nov-97	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
21-Jan-98	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
11-May-98	13.18	62.58	0.00	100	85	<0.50	<0.50	<0.50	<0.50	<2.5	
OMW-12	**Top casing elevation (ft):**			**75.65**							
02-Dec-91	10.31	65.34	0.00	<1000	<50	<0.5	<0.5	<0.5	<0.5	NA	
18-Mar-92	8.93	66.72	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	
20-May-92	10.26	65.39	0.00	180 (b)	NA	<0.5	<0.5	<0.5	<0.5	NA	
19-Aug-92	10.53	65.12	0.00	230 (b)	NA	<0.5	<0.5	<0.5	<0.5	NA	
18-Nov-92	10.45	65.20	0.00	220 (b)	NA	<0.5	<0.5	<0.5	<0.5	NA	
11-Feb-93	8.90	66.75	0.00	240	NA	<0.5	<0.5	<0.5	<0.5	NA	
19-May-93	10.60	65.05	0.00	110 (b)	NA	<0.5	<0.5	<0.5	<0.5	NA	
18-Aug-93	10.28	65.37	0.00	140 (b)	NA	<0.5	<0.5	<0.5	<0.5	NA	

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Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	Comments
17-Nov-93	10.24	65.41	0.00	120 (b)	NA	<0.5	<0.5	<0.5	<0.5	NA	
18-Feb-94	8.97	66.68	0.00	180 (b)	NA	1.7	2.1	0.9	4.8	NA	
26-May-94	9.62	66.03	0.00	150	NA	<0.5	<0.5	<0.5	<0.5	NA	
29-Aug-94	10.20	65.45	0.00	110	NA	<0.5	<0.5	<0.5	<0.5	NA	
11-Nov-94	8.54	67.11	0.00	90	NA	<0.5	<0.5	<0.5	<0.5	NA	
03-Feb-95	8.28	67.37	0.00	80	NA	<0.5	<0.5	<0.5	<0.5	NA	
07-May-95	9.17	66.48	0.00	110	NA	<0.5	<0.5	<0.5	<0.5	NA	
02-Aug-95	10.06	65.59	0.00	90	NA	<0.5	<0.5	<0.5	<0.5	NA	
02-Nov-95	10.09	65.56	0.00	130	NA	<0.5	<0.5	<0.5	<0.5	NA	
24-Feb-96	7.81	67.84	0.00	80	NA	<0.5	<0.5	<0.5	<0.5	NA	
04-May-96	11.72	63.93	0.00	61	NA	<0.50	<0.50	<0.50	<0.50	<2.5	C7-C8 Chromatogram Pattern
07-Sep-96	12.65	63.00	0.00	66	NA	<0.50	<0.50	<0.50	<0.50	<2.5	
24-Nov-96	11.54	64.11	0.00	70	NA	<0.50	<0.50	<0.50	<0.50	<2.5	
23-Feb-97	11.53	64.12	0.00	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	
01-May-97	12.17	63.48	0.00	79	NA	<0.50	<0.50	<0.50	<0.50	<2.5	
22-Jul-97	12.48	63.17	0.00	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	
04-Nov-97	12.54	63.11	0.00	<50	NA	<0.50	<0.50	<0.50	<0.50	<5.0	
21-Jan-98	9.82	65.83	0.00	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	
11-May-98	11.63	64.02	0.00	53	NA	<0.50	<0.50	<0.50	<0.50	<2.5	
OMW-12 (DUP)											
03-Feb-95	NA	NA	NA	100	NA	0.6	<0.5	0.7	1.1	NA	
02-Aug-95	NA	NA	NA	120	NA	<0.5	<0.5	<0.5	<0.5	NA	
22-Jul-97	NA	NA	NA	51	NA	<0.50	<0.50	<0.50	<0.50	<2.5	

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Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	Comments
OMW-13	**Top casing elevation (ft):**			**76.36**							
22-Nov-91	11.96	64.40	0.00	900	1000	37	9.5	74	130	NA	
18-Mar-92	10.84	65.52	0.00	900 (c)	590 (a)	24	28	320	320	NA	
20-May-92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
19-Aug-92	12.12	64.24	0.00	7000	470 (a)	180	36	150	150	NA	
18-Nov-92	12.00	64.36	0.00	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
11-Feb-93	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
20-May-93	12.26	64.10	0.00	9200	NA	320	83	490	950	NA	
18-Aug-93	11.75	64.61	0.00	NA	NA	NA	NA	NA	NA	NA	
17-Nov-93	11.78	64.58	0.00	38000	3800	210	<130	1000	2500	NA	
18-Feb-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
26-May-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
29-Aug-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
11-Nov-94	10.28	66.08	0.00	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
03-Feb-95	10.01	66.35	0.00	1.0	NA	NA	NA	NA	NA	NA	
05-Mar-95	NA	NA	NA	9100	3900	200	9.7	200	130	NA	
07-May-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
02-Aug-95	11.80	64.56	0.00	8000	2900	180	6.6	190	55	NA	
24-Feb-96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
04-May-96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
07-Sep-96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
24-Nov-96	12.35	64.01	0.00	15000	7700	50	<20	74	60	<100	
23-Feb-97	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
01-May-97	13.83	62.53	0.00	2600	290	33	10	30	14	88	
22-Jul-97	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
04-Nov-97	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible

TABLE 1

WELL CONCENTRATIONS
Former Shell Service Station
500 40th Avenue
Oakland, California
WIC #204-5508-4903

Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	Comments
21-Jan-98	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
11-May-98	13.21	63.15	0.00	10000	1400	60	17	120	23	<50	

Abbreviations:

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

TPH-D = Total petroleum hydrocarbons as diesel by Modified EPA Method 8015

BTEX = benzene, toluene, methylbenzene, 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) = Concentration reported as diesel is primary due to the presence of a lighter petroleum product, possible gasoline or kerosene.

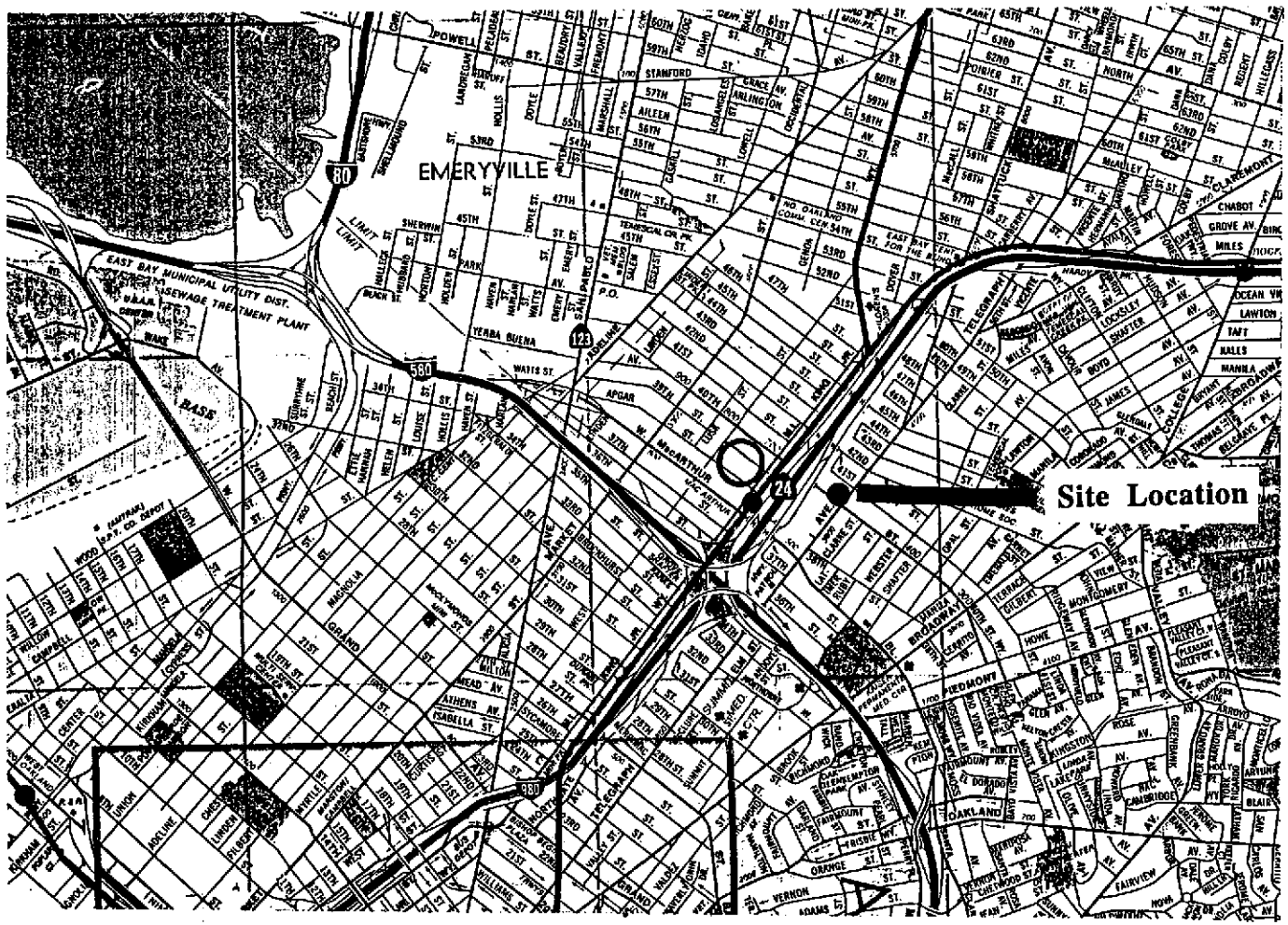
(b) = Concentration reported as gasoline is primarily due to the presence of discrete hydrocarbon peaks not indicative of gasoline.

(c) = Compounds detected and calculated as gasoline do not match the standard gasoline chromatographic pattern.

(d) = The concentrations reported as diesel are primarily due to the presence of a lighter petroleum product of hydrocarbon, range C6-C12, possibly gasoline.

Elevations referenced to Mean Sea Level

Depth to water measured from top of casing



Note: Vicinity Map taken from California State AAA map.

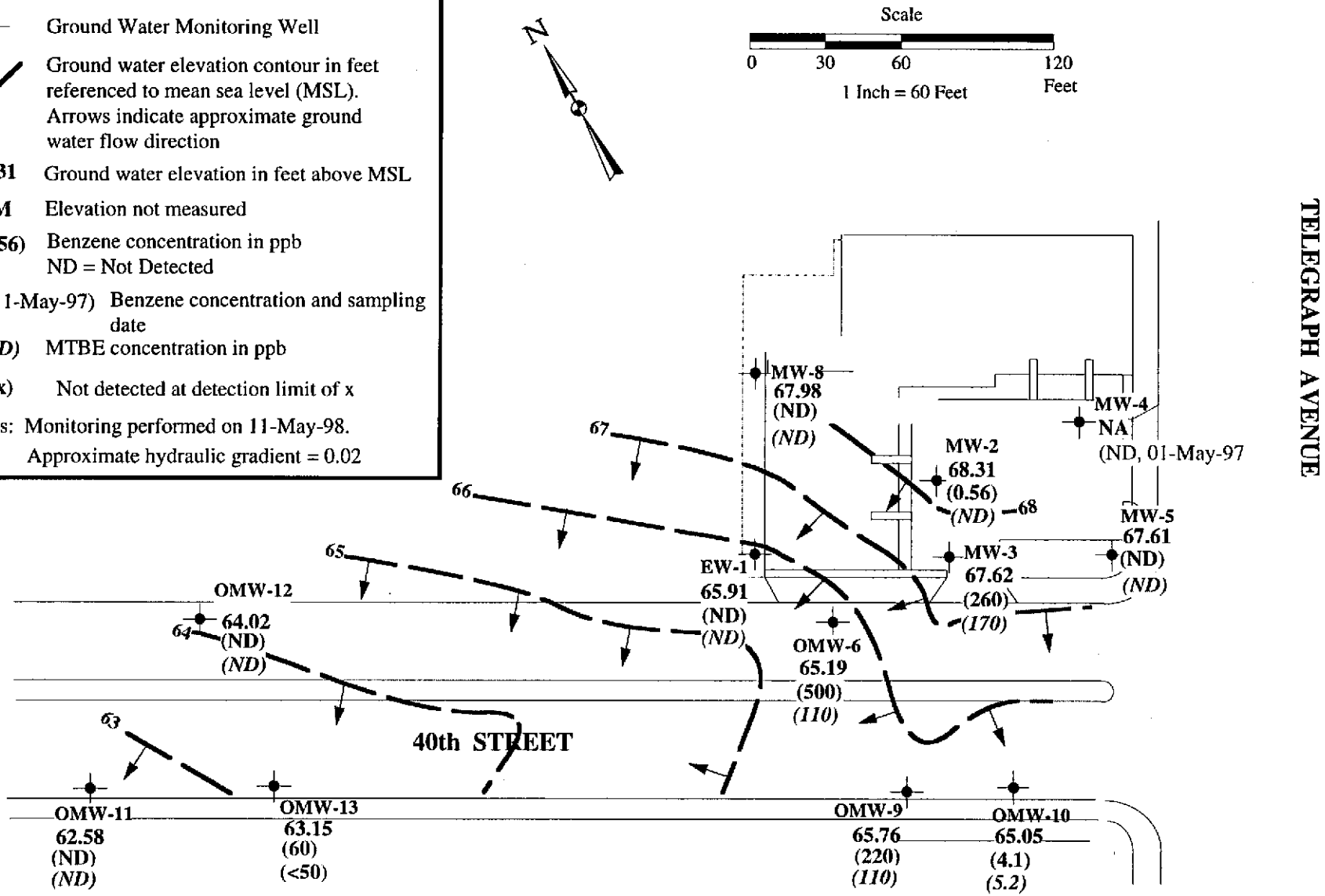
PLATE	SITE VICINITY MAP	CAMBRIA
1	Former Shell Service Station 500 40th Avenue Oakland, California	289

Drawn By: JLP Date: 5-15-95 Approved By: mh Date: 7-14-98

EXPLANATION

- Ground Water Monitoring Well
- Ground water elevation contour in feet referenced to mean sea level (MSL). Arrows indicate approximate ground water flow direction
- **68.31** Ground water elevation in feet above MSL
- **NM** Elevation not measured
- **(0.56)** Benzene concentration in ppb ND = Not Detected
- (ND, 1-May-97) Benzene concentration and sampling date
- *(ND)* MTBE concentration in ppb
- (<x) Not detected at detection limit of x

Notes: Monitoring performed on 11-May-98.
Approximate hydraulic gradient = 0.02



Base map taken from Weiss Associates Site Map.

PLATE
2

GROUND WATER CONTOUR/CHEMICAL CONCENTRATION MAP
Former Shell Service Station
500 40th Avenue
Oakland, California

CAMBRIA
289

Drawn By: TNM | Date: 10-Jul-98 | Approved By: mh | Date: 7-14-98

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

June 3, 1998

RECEIVED
JUN - 8 1998
BY:

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

Attn: Alex Perez

Shell WIC #204-5508-4903
500 40th/Telegraph
Oakland, California

2nd Quarter 1998

Groundwater Monitoring Report 980511-D-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,

Denise Kerr for:
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)
EW-1	05/11/98	TOC	–	NONE	–	–	12.35	38.43
MW-2	05/11/98	TOC	–	NONE	–	–	12.49	19.50
MW-3	05/11/98	TOC	ODOR	NONE	–	–	11.98	18.75
MW-4	05/11/98	INACCESSIBLE	–	–	–	–	–	–
MW-5	05/11/98	TOC	–	NONE	–	–	13.89	20.22
OMW-6*	05/11/98	TOC	ODOR	NONE	–	–	12.71	20.20
MW-8	05/11/98	TOC	–	NONE	–	–	11.93	38.75
OMW-9	05/11/98	TOC	ODOR/SHEEN	NONE	–	–	11.95	17.27
OMW-10	05/11/98	TOC	–	NONE	–	–	12.86	16.13
OMW-11	05/11/98	TOC	–	NONE	–	–	13.18	19.65
OMW-12	05/11/98	TOC	–	NONE	–	–	11.63	19.59
OMW-13	05/11/98	TOC	ODOR/SHEEN	NONE	–	–	13.21	21.00

* Sample DUP was a duplicate sample taken at well OMW-6.

SHELL OIL PRODUCTS COMPANY

980 5850

CHAIN OF CUSTODY RECORD

WIC OR FACILITY ID: 204-5508-4903

Date: 05/11/98

Results to: (●) Consult ( ) Shell

Page 01 of 02

Site Address: 560 Hoff St Oakland CA

Consultant/Contact: BTS

Address: 1000 Broadway St

Phone:

Shell Engineer: A Petty

Lab: SEQUOIA

TURN AROUND TIME — Select one only: ( ) 24 hrs. ( ) 48 hrs. (●) 15 days (Normal) ( ) Other

CLASS TYPE/DETAIL TYPE — Select one only:
( ) Site Invest (4441) ( ) Wtr Rem/Sys (4453)
( ) Soil Clas/Disp (4442) (●) G.W. Monitor (4461)
( ) Wtr Clas/Disp (4443) ( ) Other
( ) Soil/Air Rem/Sys (4452)

SAMPLE MATRIX — Select one only:
(●) Water ( ) NAPL ( ) Sludge ( ) Sediment
( ) Soil ( ) Vapor ( ) Bedrock ( ) Other

Waste Profile Number:

Start Time (military): 13:00

Sampled by: D. VENOR

UST Agency:

Analysis Required

Field Sample ID		Sample Time (military)	Composite?	Acid pres.	Cnt.Sz.(40ml)	Cnt.Sz.-Other	Total No. Containers	TPH-P/MBTEX(8015/8021)	TPH-P/BTEX (8015/8021)	MBTEX (8021)	BTEX (8021)	TPH-P (8015m)	TPH-E (8015m)	TPH-xx (8015m)	TRPH (418.1)	MBTEX (8260)	VOCs (8260) (specify)	SVOCs (8270) (specify)	Lead (specify)	Test for Disposal	Other (specify)
EW-1	1	09:50		●	●		03	●													
MW-2	2	09:15		●	●		03	●													
MW-3	3	09:30		●	●		03	●													
MW-5	4	09:00		●	●		03	●													
OMW-6	5	10:15		●	●		03	●													
MW-8	6	10:05		●	●		03	●													

LAB USE ONLY

Lab Tracking No.:

Sample Condition/Comments

Cooler Temperature: 6

Material Description

Comments:

Relinquished By (signature)	Printed Name	Date	Time	Received By (signature)	Printed Name	Date	Time
	D. Venor	5/12	1058		LANCE A DAMRON	5-12-98	10:55
	LANCE A DAMRON	5-12-98					
				jcplanco	EVANGELINE BLANCO	5-13-98	11:53

62143

FORM BY IMTRAN

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

SHELL CHAIN OF CUSTODY REVISED 12/97

SHELL OIL PRODUCTS COMPANY CHAIN OF CUSTODY RECORD

9805857

WIC OR FACILITY ID: 204-5508-4903

Date: 05/11/98

Results to: Consult. / Shell

Page 2 of 2

Site Address: [illegible]

Consultant/Contact: [illegible]

Address: [illegible]

Phone: [illegible]

Shell Engineer: [illegible]

Lab: SEQUOIA

TURN AROUND TIME: Select one only — O 24 hrs. O 48 hrs. ● 15 days (Normal) O Other

CLASS TYPE/DETAIL TYPE: Select one only — O Site Invest (4441) O Wtr Rem/Sys (4453) O Soil Clas/Disp (4442) ● G.W. Monitor (4451) O Wtr Clas/Disp (4443) O Other O Soil/Air Rem/Sys (4452)

SAMPLE MATRIX: Select one only — ● Water O NAPL O Sludge O Sediment O Soil O Vapor O Bedrock O Other

Waste Profile Number:

Start Time (military): 1300

Sampled by: D VENOR

UST Agency:

Analysis Required

Field Sample ID	Sample Time (military)	Composite?	Acid pres.	Cnt.Sz.(40ml)	Cnt.Sz.-Other	Total No. Containers	TPH-P/MBTEX(8015/8021)	TPH-P/BTEX (8015/8021)	MBTEX (8021)	BTEX (8021)	TPH-P (8015m)	TPH-E (8015m)	TPH-ox (8015m)	TRPH (418.1)	MBTEX (8260)	VOCs (8260) (specify)	SVOCs (8270) (specify)	Lead (specify)	Test for Disposal	Other (specify)
MW-9	1145		●	●		03	●													
MW-10	1200		●	●		03	●					●								
MW-11	1045		●	●	●	05	●													
MW-12	1030		●	●		03	●													
MW-13	1115		●	●	●	05	●					●								
DUP	12		●	●		03	●													

Comments:

LAB USE ONLY

Lab Tracking No.:

Sample Condition/Comments

Cooler Temperature: 6.

Material Description

Relinquished By (signature)	Printed Name	Date	Time	Received By (signature)	Printed Name	Date	Time
[signature]	D. VENOR	5/12	1000	[signature]	LANCE A DAVISON	5.12.98	1000
[signature]	LANCE A. DAVISON	5.12.98					
[signature]	[illegible]	5-12-98		[signature]	EVANGELINE BLANCO	5-12-98	11:43

62143

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

SHELL CHAIN OF CUSTODY REVISED 12/97

FORM BY INTRAN

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

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

Project: Shell 500 40th St.

Enclosed are the results from samples received at Sequoia Analytical on May 12, 1998. The requested analyses are listed below:

SAMPLE #	SAMPLE DESCRIPTION	DATE COLLECTED	TEST METHOD
9805850 -01	LIQUID, EW-1	05/11/98	Purgeable TPH/BTEX/MTBE
9805850 -02	LIQUID, MW-2	05/11/98	Purgeable TPH/BTEX/MTBE
9805850 -03	LIQUID, MW-3	05/11/98	Purgeable TPH/BTEX/MTBE
9805850 -04	LIQUID, MW-5	05/11/98	Purgeable TPH/BTEX/MTBE
9805850 -05	LIQUID, OMW-6	05/11/98	Purgeable TPH/BTEX/MTBE
9805850 -06	LIQUID, MW-8	05/11/98	Purgeable TPH/BTEX/MTBE
9805850 -07	LIQUID, OMW-9	05/11/98	Purgeable TPH/BTEX/MTBE
9805850 -07	LIQUID, OMW-9	05/11/98	TPHD_W Extractable TPH
9805850 -08	LIQUID, OMW-10	05/11/98	Purgeable TPH/BTEX/MTBE
9805850 -09	LIQUID, OMW-11	05/11/98	Purgeable TPH/BTEX/MTBE
9805850 -09	LIQUID, OMW-11	05/11/98	TPHD_W Extractable TPH
9805850 -10	LIQUID, OMW-12	05/11/98	Purgeable TPH/BTEX/MTBE
9805850 -11	LIQUID, OMW-13	05/11/98	Purgeable TPH/BTEX/MTBE
9805850 -11	LIQUID, OMW-13	05/11/98	TPHD_W Extractable TPH
9805850 -12	LIQUID, DUP	05/11/98	Purgeable TPH/BTEX/MTBE

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

Very truly yours,

SEQUOIA ANALYTICAL

Peggy Renner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services	Client Proj. ID: Shell 500 40th St.	Sampled: 05/11/98
1680 Rogers Avenue	Sample Descript: EW-1	Received: 05/12/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 05/24/98
Attention: Fran Thie	Lab Number: 9805850-01	Reported: 05/27/98

QC Batch Number: GC052498BTEX21A
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	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	104

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services	Client Proj. ID: Shell 500 40th St.	Sampled: 05/11/98
1680 Rogers Avenue	Sample Descript: MW-2	Received: 05/12/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 05/24/98
Attention: Fran Thie	Lab Number: 9805850-02	Reported: 05/27/98

QC Batch Number: GC052498BTEX21A
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**	**59**
Methyl t-Butyl Ether	2.5	N.D.
Benzene	**0.50**	**0.56**
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		**C6-C8**

Surrogates	Control Limits %		% Recovery
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

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Fran Thie

Client Proj. ID: Shell 500 40th St.
Sample Descript: MW-3
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9805850-03

Sampled: 05/11/98
Received: 05/12/98

Analyzed: 05/24/98
Reported: 05/27/98

QC Batch Number: GC052498BTEX21A
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	4400
Methyl t-Butyl Ether	50	170
Benzene	10	260
Toluene	10	N.D.
Ethyl Benzene	10	220
Xylenes (Total)	10	36
Chromatogram Pattern:		C6-C12

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	121

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services	Client Proj. ID: Shell 500 40th St.	Sampled: 05/11/98
1680 Rogers Avenue	Sample Descript: MW-5	Received: 05/12/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 05/24/98
Attention: Fran Thie	Lab Number: 9805850-04	Reported: 05/27/98

QC Batch Number: GC052498BTEX21A
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	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	95

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Fran Thie

Client Proj. ID: Shell 500 40th St.
Sample Descript: OMW-6
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9805850-05

Sampled: 05/11/98
Received: 05/12/98

Analyzed: 05/24/98
Reported: 05/27/98

QC Batch Number: GC052498BTEX21A
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	14000
Methyl t-Butyl Ether	50	110
Benzene	10	500
Toluene	10	32
Ethyl Benzene	10	900
Xylenes (Total)	10	1000
Chromatogram Pattern:		C6-C12

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	135 Q

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services	Client Proj. ID: Shell 500 40th St.	Sampled: 05/11/98
1680 Rogers Avenue	Sample Descript: MW-8	Received: 05/12/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 05/24/98
Attention: Fran Thie	Lab Number: 9805850-06	Reported: 05/27/98

QC Batch Number: GC052498BTEX21A
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	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	106

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Fran Thie

Client Proj. ID: Shell 500 40th St.
Sample Descript: OMW-9
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9805850-07

Sampled: 05/11/98
Received: 05/12/98

Analyzed: 05/24/98
Reported: 05/27/98

QC Batch Number: GC052498BTEX21A
Instrument ID: GCHP21

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	500	5500
Methyl t-Butyl Ether	25	110
Benzene	5.0	220
Toluene	5.0	10
Ethyl Benzene	5.0	160
Xylenes (Total)	5.0	91
Chromatogram Pattern:		C6-C12

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	139 Q

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

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Blaine Tech Services	Client Proj. ID: Shell 500 40th St.	Sampled: 05/11/98
1680 Rogers Avenue	Sample Descript: OMW-9	Received: 05/12/98
San Jose, CA 95112	Matrix: LIQUID	Extracted: 05/18/98
	Analysis Method: EPA 8015 Mod	Analyzed: 05/20/98
Attention: Fran Thie	Lab Number: 9805850-07	Reported: 05/27/98

QC Batch Number: GC0518980HBPEXC
Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	1500
Chromatogram Pattern:		C9-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	96

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Renner
Project Manager

Sequoia Analytical

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Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Fran Thie

Client Proj. ID: Shell 500 40th St.
Sample Descript: OMW-10
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9805850-08

Sampled: 05/11/98
Received: 05/12/98

Analyzed: 05/24/98
Reported: 05/27/98

QC Batch Number: GC052498BTEX21A
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**	**370**
Methyl t-Butyl Ether	**2.5**	**5.2**
Benzene	**0.50**	**4.1**
Toluene	**0.50**	**0.70**
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	**0.50**	**0.88**
Chromatogram Pattern:		**C6-C12**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	144 Q

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Perner
Project Manager

Sequoia Analytical

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Blaine Tech Services	Client Proj. ID: Shell 500 40th St.	Sampled: 05/11/98
1680 Rogers Avenue	Sample Descript: OMW-11	Received: 05/12/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 05/24/98
Attention: Fran Thie	Lab Number: 9805850-09	Reported: 05/27/98

QC Batch Number: GC052498BTEX21A
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**	**100**
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:		**C6-C9**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	115

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

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Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Fran Thie

Client Proj. ID: Shell 500 40th St.
Sample Descript: OMW-11
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9805850-09

Sampled: 05/11/98
Received: 05/12/98
Extracted: 05/18/98
Analyzed: 05/19/98
Reported: 05/27/98

QC Batch Number: GC0518980HBPEXC
Instrument ID: GCHP4B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	85
Chromatogram Pattern:		C9-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	79

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

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Blaine Tech Services	Client Proj. ID: Shell 500 40th St.	Sampled: 05/11/98
1680 Rogers Avenue	Sample Descript: OMW-12	Received: 05/12/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 05/24/98
Attention: Fran Thie	Lab Number: 9805850-10	Reported: 05/27/98

QC Batch Number: GC052498BTEX21A
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**	**53**
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:		**C6-C9**

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

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Blaine Tech Services	Client Proj. ID: Shell 500 40th St.	Sampled: 05/11/98
1680 Rogers Avenue	Sample Descript: OMW-13	Received: 05/12/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 05/25/98
Attention: Fran Thie	Lab Number: 9805850-11	Reported: 05/27/98

QC Batch Number: GC052598BTEX22A
Instrument ID: GCHP22

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**1000**	**10000**
Methyl t-Butyl Ether	50	N.D.
Benzene	**10**	**60**
Toluene	**10**	**17**
Ethyl Benzene	**10**	**120**
Xylenes (Total)	**10**	**23**
Chromatogram Pattern:		**C6-C12**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	175 Q

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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Blaine Tech Services	Client Proj. ID: Shell 500 40th St.	Sampled: 05/11/98
1680 Rogers Avenue	Sample Descript: OMW-13	Received: 05/12/98
San Jose, CA 95112	Matrix: LIQUID	Extracted: 05/18/98
	Analysis Method: EPA 8015 Mod	Analyzed: 05/19/98
Attention: Fran Thie	Lab Number: 9805850-11	Reported: 05/27/98

QC Batch Number: GC0518980HBPEXC
Instrument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	1400
Chromatogram Pattern:		C9-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	99

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

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Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Fran Thie

Client Proj. ID: Shell 500 40th St.
Sample Descript: DUP
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9805850-12

Sampled: 05/11/98
Received: 05/12/98

Analyzed: 05/24/98
Reported: 05/27/98

QC Batch Number: GC052498BTEX03A
Instrument ID: GCHP03

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**2500**	**14000**
Methyl t-Butyl Ether	**125**	**370**
Benzene	**25**	**490**
Toluene	25	N.D.
Ethyl Benzene	**25**	**900**
Xylenes (Total)	**25**	**980**
Chromatogram Pattern:		**C6-C12**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	105

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Renner
Project Manager

Sequoia Analytical

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

Client Project ID: Shell 500 40th St.

QC Sample Group: 9805850-11-12

Reported: May 27, 1998

QUALITY CONTROL DATA REPORT

Matrix: Liquid
Method: EPA 8020
Analyst: T. SOROKIN

ANALYTE	Benzene	Toluene	Ethylbenzene	Xylenes
QC Batch #:	GC052598BTEX22A			
Sample No.:	GW9805868-3			
Date Prepared:	5/25/98	5/25/98	5/25/98	5/25/98
Date Analyzed:	5/25/98	5/25/98	5/25/98	5/25/98
Instrument I.D.#:	GCHP22	GCHP22	GCHP22	GCHP22
Sample Conc., ug/L:	N.D.	N.D.	N.D.	N.D.
Conc. Spiked, ug/L:	10	10	10	30
Matrix Spike, ug/L:	11	11	11	32
% Recovery:	110	110	110	107
Matrix pike Duplicate, ug/L:	8.8	8.5	8.6	26
% Recovery:	88	85	86	87
elative % Difference:	22	26	24	21
RPD Control Limits:	0-25	0-25	0-25	0-25

LCS Batch#:	GWBLK052598A			
Date Prepared:	5/25/98	5/25/98	5/25/98	5/25/98
Date Analyzed:	5/25/98	5/25/98	5/25/98	5/25/98
Instrument I.D.#:	GCHP22	GCHP22	GCHP22	GCHP22
Conc. Spiked, ug/L:	10	10	10	30
LCS Recovery, ug/L:	11	10.0	11	32
LCS % Recovery:	110	100.0	110	107

Percent Recovery Control Limits:

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

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Peggy 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.

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

Client Project ID: Shell 500 40th St.

QC Sample Group: 9805850-07, -09, -11

Reported: May 27, 1998

QUALITY CONTROL DATA REPORT

Matrix:	Liquid
Method:	EPA 8015A
Analyst:	N. HERRERA
ANALYTE	Diesel

QC Batch #: GC0518980HBPEXC

Sample No.:	9805850-09
Date Prepared:	5/18/98
Date Analyzed:	5/19/98
Instrument I.D.#:	GCHP4B
Sample Conc., ug/L:	85
Conc. Spiked, ug/L:	1000
Matrix Spike, ug/L:	720
% Recovery:	64
Matrix pike Duplicate, ug/L:	670
% Recovery:	58
elative % Difference:	9.8
RPD Control Limits:	0-50

LCS Batch#: BLK051898CS

Date Prepared:	5/18/98
Date Analyzed:	5/19/98
Instrument I.D.#:	GCHP4A
Conc. Spiked, ug/L:	1000
Recovery, ug/L:	600
LCS % Recovery:	60

Percent Recovery Control Limits:

MS/MSD	50-150
LCS	60-140

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Peggy 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.

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

Client Project ID: Shell 500 40th St.

QC Sample Group: 9805850-01-10

Reported: Jun 1, 1998

QUALITY CONTROL DATA REPORT

Matrix:	Liquid
Method:	EPA 8015
Analyst:	A. Miraftab
ANALYTE	Gasoline

QC Batch #: GC052498BTEX21A

Sample No.:	9805C39-03
Date Prepared:	5/24/98
Date Analyzed:	5/24/98
Instrument I.D.#:	GCHP-21
Sample Conc., ug/L:	N.D.
Conc. Spiked, ug/L:	250
Matrix Spike, ug/L:	220
% Recovery:	88
Matrix pike Duplicate, ug/L:	240
% Recovery:	96
elative % Difference:	8.7
RPD Control Limits:	0-25

LCS Batch#: GC052498BTEX21A

Date Prepared:	5/24/98
Date Analyzed:	5/24/98
Instrument I.D.#:	GCHP-21
Conc. Spiked, ug/L:	250
LCS Recovery, ug/L:	220
LCS % Recovery:	88

Percent Recovery Control Limits:

MS/MSD	60-140
LCS	70-130

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Peggy 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.

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Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112 Attention: Fran Thie	Client Proj. ID: Shell 500 40th St. Lab Proj. ID: 9805850	Received: 05/12/98 Reported: 05/27/98

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 19 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