CAMBRIA

ENVIRONMENTAL PROTECTION

97 JUL 28 PM 4:25

July 22, 1997

5510988

Dale Klettke
Alameda County
Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, California 94502-6577

Re: **Second Quarter 1997 Monitoring Report**
Shell Service Station
1285 Bancroft Avenue
San Leandro, California
WIC #204-6852-0703
Cambria Project #24-314-297

Dear Mr. Klettke:

On behalf of Shell Oil Products Company, Cambria Environmental Technology, Inc. (Cambria) is submitting this monitoring report to satisfy the quarterly reporting requirements prescribed by California Administrative Code Title 23 Waters, Division 3, Chapter 16, Article 5, Section 2652.d.

Second Quarter 1997 Activities

On April 9, 1997, Blaine Tech Services, Inc. (Blaine) of San Jose, California measured ground water depths and collected water samples from the site wells (Figure 1). The Blaine report, describing these sampling activities and presenting the analytic results is included as Attachment A. Cambria calculated ground water elevations (Table 1), compiled the analytic data (Tables 2A and 2B) and prepared a ground water elevation contour map (Figure 1).

On January 27, 1997, Cambria submitted an *Interim Remedial Action Plan* to the Alameda County Department of Environmental Health. The plan proposed placing oxygen releasing compounds (ORCs) into monitoring wells MW-2 and MW-3 as an appropriate, cost-effective method of reducing hydrocarbons in the source area, and revised the sampling program. We will install the ORCs and implement the revised sampling program when we receive approval from your office.

CAMBRIA
ENVIRONMENTAL
TECHNOLOGY, INC.
1144 65TH STREET,
SUITE B
OAKLAND,
CA 94608
PH: (510) 420-0700
FAX: (510) 420-9170

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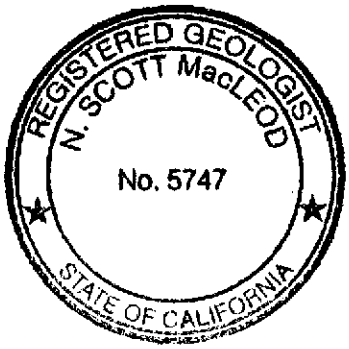
Anticipated Third Quarter 1997 Activities

Pending approval from your office, the anticipated activities include ground water monitoring by Blaine and implementing the *Interim Remedial Action Plan*. Cambria will submit a report presenting a summary of activities for the upcoming quarter.

Closing

We appreciate the opportunity to work with you on this project. Please call if you have any questions.

Sincerely,
Cambria Environmental Technology, Inc.



N. Scott MacLeod, R.G.
Principal Geologist

Attachments: A - Blaine Quarterly Ground Water Monitoring Report

cc: A. E. (Alex) Perez, Shell Oil Products Company, P.O. Box 4023 Concord, California 94524

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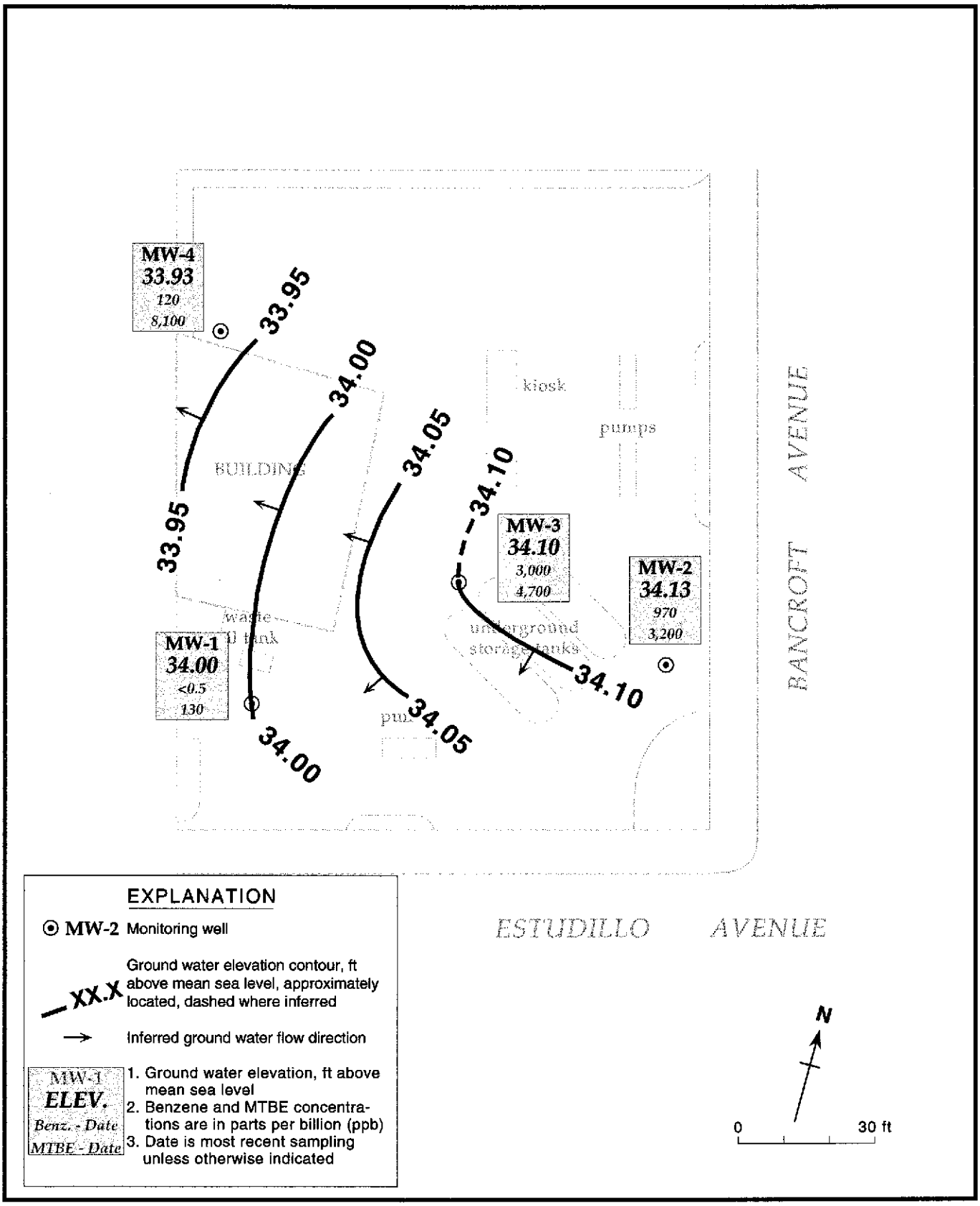

Figure 1. Ground Water Elevation Contours - April 9, 1997 - Shell Service Station WIC #204-6852-0703, 1285 Bancroft Avenue, San Leandro, California

Table 1. **Ground Water Elevation Data** - Shell Service Station WIC #204-6852-0703, 1285 Bancroft Avenue, San Leandro, California

Well ID	Date	Top-of-Box Elevation (ft above msl)	Depth to Water (ft)	Ground Water Elevation (ft above msl)
MW-1	03/13/90	66.29	42.65	23.64
	06/12/90		43.14	23.15
	09/13/90		44.71	21.58
	12/18/90		45.23	21.06
	03/07/91		43.32	22.97
	06/07/91		42.18	24.11
	09/17/91		44.85	21.44
	03/01/92		41.56	24.73
	06/03/92		40.74	25.55
	09/01/92		43.05	23.24
	12/07/92		44.19	22.10
	03/01/93		34.96	31.33
	06/22/93		36.75	29.54
	09/09/93		39.36	26.93
	12/13/93		40.74	25.55
	03/03/94		38.40	27.89
	07/27/94	66.90[a]	40.49	26.41
	08/09/94		40.84	26.06
	10/05/94		41.98	24.92
	11/11/94		41.34	25.56
	12/29/94		42.06	24.84
	01/04/95		39.90	27.00
	04/14/95		31.02	35.88
	07/12/95		34.61	32.29
	12/14/95		39.24	27.66
	01/10/96		38.34	28.56
	04/25/96		31.95	34.95
	07/09/96		34.45	32.45
	10/02/96		37.72	29.18
	01/09/97		32.25	34.65
	04/09/97		32.90	34.00
MW-2	03/01/92	66.91	41.57	25.34
	06/03/92		40.56	26.35
	09/01/92		42.94	23.97
	12/07/92		44.13	22.78
	03/01/93		34.82	32.09
	06/22/93		36.64	30.27
	09/09/93		39.24	27.67
	12/13/93		40.64	26.27
	03/03/94		38.98	27.93
	07/27/94	66.91[a]	40.40	26.51
	08/09/94		40.71	26.20
	10/05/94		41.89	25.02

Table 1. **Ground Water Elevation Data** - Shell Service Station WIC #204-6852-0703, 1285 Bancroft Avenue, San Leandro, California (continued)

Well ID	Date	Top-of-Box Elevation (ft above msl)	Depth to Water (ft)	Ground Water Elevation (ft above msl)
	11/11/94		41.22	25.69
	12/29/94		41.99	24.92
	01/04/95		39.81	27.10
	04/14/95		30.83	36.08
	07/12/95		34.50	32.41
	12/14/95		39.22	27.69
	01/10/96		38.22	28.69
	04/25/96		31.78	35.13
	07/09/96		34.35	32.56
	10/02/96		37.56	29.35
	01/09/97		32.07	34.84
	04/09/97		**32.78**	**34.13**
MW-3	03/01/92	66.31	42.00	24.31
	06/03/92		44.30	22.01
	09/01/92		43.62	22.69
	12/07/92		44.77	21.54
	03/01/93		35.50	30.81
	06/22/93		37.30	29.01
	09/09/93		39.90	26.41
	12/13/93		41.30	25.01
	03/03/94		38.32	27.99
	07/27/94	67.52 [a]	41.07	26.45
	08/09/94		41.37	26.15
	10/05/94		42.55	24.97
	11/11/94		41.86	25.66
	12/29/94		42.59	24.93
	01/04/95		40.54	26.98
	04/14/95		31.50	36.02
	07/12/95		35.14	32.38
	12/14/95		39.86	27.66
	01/10/96		39.98	27.54
	04/25/96		32.38	35.14
	07/09/96		34.93	32.59
	10/02/96		38.20	29.32
	01/09/97		32.81	34.71
	04/09/97		**33.42**	**34.10**
MW-4	07/27/94	68.08	41.78	26.30
	08/09/94		42.09	25.99
	10/05/94		43.25	24.83
	11/11/94		42.54	25.54
	12/29/94		43.34	24.74
	01/04/95		41.57	26.51

Table 1. **Ground Water Elevation Data** - Shell Service Station WIC #204-6852-0703, 1285 Bancroft Avenue, San Leandro, California (continued)

Well ID	Date	Top-of-Box Elevation (ft above msl)	Depth to Water (ft)	Ground Water Elevation (ft above msl)
	04/14/95		32.24	35.84
	07/12/95		35.88	32.20
	12/14/95		40.54	27.54
	01/10/96		39.59	28.49
	04/25/96		33.22	34.86
	07/09/96		35.70	32.38
	10/02/96		38.95	29.13
	01/09/97		33.04	35.04
	04/09/97		34.15	33.93

Notes and Abbreviations:

a = Top-of-casing elevation resurveyed March 29, 1994
ft = Feet
msl = Mean sea level

Table 2A. **Analytic Results for Ground Water** - Fuel Compounds - Shell Service Station WIC #204-6852-0703, 1285 Bancroft Avenue, San Leandro, California

Well ID	Date Sampled	Depth to Water (ft)	TPH-G	TPH-D	B	T	E	X	MTBE
			← parts per billion (µg/L) →						
MW-1	09/17/91	44.85	50[a]	160[b]	<0.5	<0.5	<0.5	<0.5	---
	03/01/92	41.56	<50	<50	<0.5	<0.5	<0.5	<0.5	---
	06/03/92	40.74	<50	---	0.8	<0.5	0.9	<0.5	---
	09/01/92	43.05	<50	---	<0.5	5.8	5.3	7.2	---
	12/07/92	44.19	68	---	<0.5	0.8	<0.5	1.2	---
	03/01/93	34.96	<50	---	<0.5	<0.5	<0.5	<0.5	---
	03/01/93[dup]	34.96	<50	---	<0.5	<0.5	<0.5	<0.5	---
	06/22/93	36.75	<50	---	<0.5	<0.5	<0.5	<0.5	---
	09/09/93	39.36	200[c]	---	16	5.2	2.0	<0.5	---
	12/13/93	40.74	89[d]	---	3.4	<0.5	<0.5	<0.5	---
	03/03/94	38.40	65[d]	---	2.6	<0.5	<0.5	<0.5	---
	07/27/94	40.49	180	---	30	1.8	2.6	5.0	---
	07/27/94[dup]	40.49	240	---	25	2.2	2.2	4.0	---
	10/05/94	41.98	<50	---	<0.3	<0.3	<0.3	<0.6	---
	01/04/95	39.90	<50	---	2.4	<0.5	<0.5	<0.5	---
	01/04/95[dup]	39.90	<50	---	2.5	<0.5	<0.5	<0.5	---
	04/14/95	35.88	<50	---	<0.5	0.5	<0.5	<0.5	---
	04/14/95[dup]	35.88	<50	---	<0.5	<0.5	<0.5	<0.5	---
	07/12/95	34.61	<50	---	1.2	0.8	<0.5	<0.5	---
	12/14/95	39.24	380	---	230	9.0	1.1	49	---
	01/10/96	38.34	60	---	3.5	<0.5	<0.5	0.5	---
	04/25/96	31.95	<50	---	3.3	2.4	1.2	5.4	---
	07/09/96	34.45	810	---	29	7.3	<5.0	11	1,800
	10/02/96	37.72	<125	---	3.1	<1.2	<1.2	<1.2	960
	01/09/97	32.25	<250	---	<2.5	<2.5	<2.5	<2.5	510
	04/09/97	**32.90**	**<50**	**---**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**130**
MW-2	03/01/92	41.57	910	<50	11	5.2	50	140	---
	06/03/92	40.56	1,400	---	33	16	150	240	---

Table 2A. **Analytic Results for Ground Water** - Fuel Compounds - Shell Service Station WIC #204-6852-0703, 1285 Bancroft Avenue, San Leandro, California (continued)

Well ID	Date Sampled	Depth to Water (ft)	TPH-G	TPH-D	B	T	E	X	MTBE
			← parts per billion (µg/L) →						
	09/01/92	42.94	230	---	5.2	4.1	15	19	---
	09/01/92[dup]	42.94	320	---	5.6	5	18	220	---
	12/07/92	44.13	240	---	1.5	1.3	9.5	9.9	---
	12/07/92[dup]	44.13	<50	---	1.7	1	13	12	---
	03/01/93	34.82	230	---	260	310	27	66	---
	06/22/93	36.64	220	---	18	3.4	3.6	5.2	---
	06/22/93[dup]	36.64	320	---	29	4.8	4.2	6.1	---
	09/09/93	39.24	260	---	18	4.6	16	12	---
	09/09/93[dup]	39.24	210	---	16	3.9	14	9.1	---
	12/13/93	40.64	1,300[c]	---	82	34	73	15	---
	12/13/93[dup]	40.64	1,400[c]	---	110	45	72	19	---
	03/03/94	38.98	9,600	---	1,200	600	390	710	---
	03/03/94[dup]	38.98	10,000	---	930	500	330	590	---
	07/27/94	40.40	190	---	<0.5	1.0	<0.5	<0.5	---
	08/09/94	40.71	1,500	---	53.5	12.4	46.2	44.0	---
	10/05/94	41.89	<485	---	<0.3	<0.3	<0.3	<0.6	---
	01/04/95	39.81	1,300	---	150	35	23	51	---
	04/14/95	30.83	5,000	---	1,000	340	400	810	---
	07/12/95	34.50	4,500	---	440	170	170	290	---
	07/12/95[dup]	34.50	4,300	---	430	160	160	280	---
	12/14/95	39.22	37,000	---	1,800	7,600	1,000	6,700	---
	12/14/95[dup]	39.22	34,000	---	1,800	6,600	1,000	6,500	---
	01/10/96	38.22	69,000	---	1,000	3,200	510	3,300	---
	01/10/96[dup]	38.22	78,000	---	1,100	3,500	560	3,600	---
	04/25/96	31.78	11,000	---	820	880	210	1,400	---
	04/25/96[dup]	31.78	9,300	---	690	710	160	1,200	---
	07/09/96	34.35	100,000	---	15,000	24,000	1,700	9,900	70,000
	07/09/96[dup]	34.35	86,000	---	12,000	19,000	1,400	7,500	32,000

Table 2A. **Analytic Results for Ground Water** - Fuel Compounds - Shell Service Station WIC #204-6852-0703, 1285 Bancroft Avenue, San Leandro, California (continued)

Well ID	Date Sampled	Depth to Water (ft)	TPH-G	TPH-D	B	T	E	X	MTBE
			← parts per billion (µg/L) →						
	10/02/96	37.56	82,000	---	20,000	32,000	1,800	9,100	40,000
	10/02/96[dup]	37.56	89,000	---	19,000	31,000	1,700	8,900	42,000
	01/09/97	32.07	17,000	---	710	2,300	350	2,200	4,000
	01/09/97[dup]	32.07	12,000	---	490	1,300	260	1,800	2,800
	04/09/97	**32.78**	**20,000**	**---**	**970**	**3,500**	**330**	**2,000**	**3,200**
MW-3	03/01/92	42.00	<50	<50	<0.5	<0.5	<0.5	<0.5	---
	06/03/92	44.30	<50	---	<0.5	<0.5	<0.5	<0.5	---
	09/01/92	43.62	<50	---	<0.5	<0.5	1.1	3.2	---
	12/07/92	44.77	52	---	<0.5	<0.5	<0.5	0.5	---
	03/01/93	35.50	<50	---	<0.5	<0.5	<0.5	<0.5	---
	06/22/93	37.30	<50	---	<0.5	<0.5	<0.5	<0.5	---
	09/09/93	39.90	50[c]	---	5.0	<0.5	<0.5	<0.5	---
	12/13/93	41.30	120[d]	---	7.5	<0.5	1.6	6.3	---
	03/03/94	38.32	<50	---	0.81	<0.5	<0.5	<0.5	---
	07/27/94	41.07	<50	---	3.5	<0.5	<0.5	<0.5	---
	10/05/94[e]	42.55	<57	---	<0.3	<0.3	<0.3	<0.6	---
	01/04/95	40.54	<50	---	6.0	<0.5	<0.5	<0.5	---
	04/14/95	31.50	<50	---	<0.5	<0.5	<0.5	<0.5	---
	07/12/95	35.14	90	---	16	<0.5	<0.5	<0.5	---
	12/14/95	39.86	4,600	---	460	390	34	1,000	---
	01/10/96	39.98	11,000	---	470	460	68	670	---
	04/25/96	32.38	5,500	---	830	910	<50	460	---
	07/09/96	34.93	72,000	---	7,600	14,000	970	5,900	59,000
	10/02/96	38.20	77,000	---	15,000	24,000	2,000	9,600	94,000 (71,000)
	01/09/97	32.81	130	---	15	16	2.0	9.7	80
	04/09/97	**33.42**	**24,000**	**---**	**2,900**	**5,300**	**420**	**2,200**	**4,100**
	04/09/97[dup]	**33.42**	**24,000**	**---**	**3,000**	**5,600**	**450**	**2,300**	**4,700**

Table 2A. **Analytic Results for Ground Water** - Fuel Compounds - Shell Service Station WIC #204-6852-0703, 1285 Bancroft Avenue, San Leandro, California (continued)

Well ID	Date Sampled	Depth to Water (ft)	TPH-G	TPH-D	B	T	E	X	MTBE
			← parts per billion (µg/L) →						
MW-4	07/27/94	41.78	120	---	3.4	3.9	0.6	4.9	---
	10/05/94[e]	43.25	<50	---	<0.3	<0.3	<0.3	<0.6	---
	10/05/94[dup]	43.25	<50	---	<0.3	<0.3	<0.3	<0.6	---
	01/04/95	41.57	<50	---	1.4	<0.5	<0.5	<0.5	---
	04/14/95	32.24	<50	---	<0.5	<0.5	<0.5	<0.5	---
	07/12/95	35.88	<50	---	<0.5	<0.5	<0.5	<0.5	---
	12/14/95	40.54	70	---	0.6	<0.5	<0.5	<0.5	---
	01/10/96	39.59	280	---	3.7	1.0	<0.5	0.8	---
	04/25/96	33.22	<500	---	63	<5.0	<5.0	<5.0	---
	07/09/96	35.70	<2000	---	160	<20	<20	<20	5,300
	10/02/96	38.95	<5,000	---	480	<50	<50	<50	19,000
	01/09/97	33.04	<2,000	---	43	<20	<20	<20	7,000
	04/09/97	**34.15**	**<2,500**	**---**	**120**	**<25**	**<25**	**<25**	**8,100**
Bailer Blank	09/01/92		<50	---	<0.5	<0.5	<0.5	1	---
	12/07/92		<50	---	<0.5	<0.5	<0.5	<0.5	---
	01/04/95		<50	---	<0.5	<0.5	<0.5	<0.5	---
	07/12/95		<50	---	0.6	0.7	<0.5	<0.5	---
	12/14/95		<50	---	<0.5	<0.5	<0.5	<0.5	---
Trip Blank	09/17/91		<50	---	<0.5	<0.5	<0.5	<0.5	---
	03/01/92		<50	---	<0.5	<0.5	<0.5	<0.5	---
	06/03/92		<50	---	<0.5	<0.5	<0.5	<0.5	---
	09/01/92		<50	---	<0.5	<0.5	<0.5	<0.5	---
	12/07/92		<50	---	<0.5	<0.5	<0.5	<0.5	---
	03/01/93		<50	---	<0.5	<0.5	<0.5	<0.5	---
	06/22/93		<50	---	<0.5	<0.5	<0.5	<0.5	---
	09/09/93		<50	---	<0.5	<0.5	<0.5	<0.5	---
	12/13/93		<50	---	<0.5	<0.5	<0.5	<0.5	---

Table 2A. **Analytic Results for Ground Water** - Fuel Compounds - Shell Service Station WIC #204-6852-0703, 1285 Bancroft Avenue, San Leandro, California (continued)

Well ID	Date Sampled	Depth to Water (ft)	TPH-G	TPH-D	B	T	E	X	MTBE
			← parts per billion (µg/L) →						
	03/03/94		<50	---	<0.5	<0.5	<0.5	<0.5	---
	07/27/94		<50	---	<0.5	<0.5	<0.5	<0.5	---
	08/09/94		<500	---	<0.3	<0.3	<0.3	<0.6	---
	10/05/94		<50	---	<0.3	<0.3	<0.3	<0.6	---
	01/04/95		<50	---	<0.5	<0.5	<0.5	<0.5	---
	04/14/95		<50	---	<0.5	<0.5	<0.5	<0.5	---
	07/12/95		<50	---	<0.5	<0.5	<0.5	<0.5	---
	12/14/95		<50	---	<0.5	<0.5	<0.5	<0.5	---
MCLs			NE	NE	1	150	700	1,750	NE

Abbreviations:

TPH-G = Total petroleum hydrocarbons as gasoline by Modified EPA Method 8015
TPH-D = Total petroleum hydrocarbons as diesel by Modified EPA Method 8015
MTBE = Methyl tert-butyl ether by EPA Method 8020 Result in parentheses indicates MTBE by EPA Method 8260
B = Benzene by EPA Method 8020
E = Ethylbenzene by EPA Method 8020
T = Toluene by EPA Method 8020
X = Xylenes by EPA Method 8020
dup = Duplicate sample
NE = Not established
MCLs = California Primary maximum contaminant levels for drinking water (22 CCR 64444)
--- = Not analyzed
<n = Not detected at detection limits of n ppb
µg/L = Micrograms per liter

Notes:

a = Result due to a non-gasoline hydrocarbon compound
b = Result due to a non-diesel hydrocarbon compound
c = The concentrations reported as gasoline are primarily due to the presence of a combination of gasoline and a discrete peak not indicative of gasoline.
d = The concentrations reported as gasoline are primarily due to the presence of a discrete peak not indicative of gasoline

Table 2B. **Analytic Reports for Ground Water** - Non-Fuel Compounds - Shell Service Station WIC #204-6852-0703, 1285 Bancroft Avenue, San Leandro, California

Well ID	Date Sampled	Depth to Water	TCE	TOG	PCE	Chloroform	cis-1,2-DCE	trans-1,2-DCE
			← parts per billion (mg/L) →					
MW-1	03/08/90	42.65	---	<10,000	35	6.3	---	---
	06/12/90	43.14	---	<10,000	1.9	63	---	---
	09/13/90	44.71	---	<10,000	26	9	---	---
	12/18/90	45.23	---	<10,000	<0.4	5.3	---	---
	03/07/91	43.32	---	---	23	3.7	---	---
	06/07/91	42.18	---	---	21	6.6	---	---
	09/17/91	44.85	---	---	23	7.4	---	---
	03/01/92	41.56	<0.4	---	21	6.3	---	<0.4
	06/03/92	40.74	17	---	<0.5	6.7	<0.5	<0.5
	09/01/92	43.05	12	---	<0.5	5.8	<0.5	<0.5
	12/07/92	44.19	<0.5	---	17	9	<0.5	<0.5
	03/01/93	34.96	<0.5	---	22	13	<0.5	<0.5
	03/01/93[dup]	34.96	<0.5	---	22	13	<0.5	<0.5
	06/23/93	36.75	<0.5	---	18	8	<0.5	<0.5
	09/09/93	39.36	<0.5	---	17	6.5	<0.5	<0.5
	12/13/93	40.74	---	---	---	---	---	---
	04/14/95	31.02	---	---	---	---	---	---
MW-2	03/01/92	41.57	<0.4	---	11	8.9	---	<0.4
	06/03/92	40.56	7.4	---	<0.5	<0.5	0.76	6.3
	09/01/92	42.94	8.4	---	<0.5	9.1	<0.5	<0.5
	09/01/92[dup]	42.94	8.4	---	<0.5	8.1	<0.5	<0.5
	12/07/92	44.13	<0.5	---	10	10	<0.5	<0.5
	12/07/92[dup]	44.13	<0.5	---	10	9	<0.5	<0.5
	03/01/93	34.82	<0.5	---	<0.5	<0.5	<0.5	<0.5
	06/22/93	36.64	<0.5	---	13	7.9	<0.5	<0.5
	06/22/93[dup]	36.64	<0.5	---	12	6.9	<0.5	<0.5
	09/09/93	39.24	<0.5	---	11	5.9	1.9	<0.5
	09/09/93	39.24	<0.5	---	12	7.3	1.1	<0.5

Table 2B. Analytic Reports for Ground Water - Non-Fuel Compounds - Shell Service Station WIC #204-6852-0703, 1285 Bancroft Avenue, San Leandro, California (continued)

Well ID	Date Sampled	Depth to Water	TCE	TOG	PCE	Chloroform	cis-1,2-DCE	trans-1,2-DCE
			← parts per billion (mg/L) →					
	12/13/93	40.64	---	---	---	---	---	---
	07/27/94	40.40	<0.4		<0.4	7.5	---	<0.4
	08/09/94	40.71	<0.1	---	10.1	5.8	<0.1	<0.3
	10/05/94 [a]	41.89	<5	---	9	5	<5	<5
	01/04/95	39.81	<0.4	---	12	3.8	---	<0.4
	04/14/95	30.83	<0.4	---	8.4	2.3	<0.4	---
MW-3	03/01/92	42.00	<0.4	---	8.8	2.4	---	<0.4
	06/03/92	44.30	3	---	<0.5	1.5	<0.5	<0.5
	09/01/92	43.62	8.8	---	<0.5	2.3	<0.5	<0.5
	12/07/92	44.77	<0.5	---	10	3	<0.5	<0.5
	03/01/93	35.50	<0.5	---	9.2	9.4	<0.5	<0.5
	06/22/93	37.30	<0.5	---	7.8	9.6	<0.5	<0.5
	09/09/93	39.90	<0.5	---	7.9	7.3	<0.5	<0.5
	12/13/93	41.30	---	---	---	---	---	---
Bailer Blank	09/01/92		<0.5	---	<0.5	<0.5	<0.5	<0.5
	12/07/92		<0.5	---	<0.5	<0.5	<0.5	<0.5
Trip Blank	09/01/92		<0.5	---	<0.5	<0.5	<0.5	<0.5
	12/07/92 [b]		<0.5	---	<0.5	<0.5	<0.5	<0.5
	03/01/93		<0.5	---	<0.5	<0.5	<0.5	<0.5
	06/22/93 [c]		<0.5	---	<0.5	<0.5	<0.5	<0.5
MCLs			0.005	NE	0.005	NE	0.006	0.01

Table 2B. **Analytic Reports for Ground Water** - Non-Fuel Compounds - Shell Service Station WIC #204-6852-0703, 1285 Bancroft Avenue, San Leandro, California (continued)

Abbreviations:

TCE	=	Trichloroethene by EPA Method 601
TOG	=	Total non-polar oil and grease by American Public Health Association Standard Methods 503A&E
PCE	=	Tetrachloroethene by EPA Method 601
Chloroform	=	Chloroform by EPA Method 601
cis-1,2-DCE	=	cis-1,2-Dichloroethene by EPA Method 601
trans-1,2-DCE	=	trans-1,2-Dichloroethene by EPA Method 601
---	=	Not analyzed
dup	=	Duplicate sample
MCLs	=	California Primary Maximum Contaminant Levels for drinking water (22 CCR 64444)
NE	=	MCL not established

Notes:

a	=	Results this date represent 3rd month of 3rd quarter 1994
b	=	Sample contained 0.014 mg/L of 1,3-Dichlorobenzene
c	=	Although 1.4 ppb methylene chloride was detected in one of the ground water samples from well MW-2, the laboratory indicated that this was within normal laboratory background concentrations.

CAMBRIA

ATTACHMENT A

Blaine Quarterly Ground Water Monitoring Report

BLAINE
TECH SERVICES inc.

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

May 6, 1997

Shell Oil Company
P.O. Box 5278
Concord, CA 94520-9998

Attn: Alex Perez

Shell WIC #204-6852-0703
1285 Bancroft Avenue
San Leandro, California

2nd Quarter 1997

Quarterly Groundwater Monitoring Report 970409-W-4

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.
1144 65th Street, Suite C
Oakland, CA 94608
Attn: Josh Bergstrom

(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)
MW-1	4/9/97	TOC	--	NONE	--	--	32.90	59.10
MW-2	4/9/97	TOC	--	NONE	--	--	32.78	59.00
MW-3*	4/9/97	TOC	--	NONE	--	--	33.42	57.80
MW-4	4/9/97	TOC	--	NONE	--	--	34.15	54.64

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

9704665

SHELL OIL COMPANY
RETAIL ENVIRONMENTAL ENGINEERING - WEST

CHAIN OF CUSTODY RECORD

Serial No: 970409-W4

Date: 4/9/97

Page 1 of 1

Site Address: 1285 Bancroft Ave., San Leandro, CA

WIC#: 204-6852-0703

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: WR Jones

LAB: SEQ

CHECK ONE (1) BOX ONLY		CT/DT
G.W. Monitoring	☒	4461
Site Investigation	☐	4441
Soil Classify/Disposal	☐	4442
Water Classify/Disposal	☐	4443
Soil/Air Rem. or Sys. O & M	☐	4452
Water Rem. or Sys. O & M	☐	4453
Other	☐	

TURN AROUND TIME

- 24 hours ☐
- 48 hours ☐
- 15 days ☒ (Normal) 9-10-12
- Other ☐

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

UST AGENCY:

Analysis Required

Sample ID	Date	Sludge	Soil	Water	Air	No. of conts.	TPH (EPA 8015 Mod. Gas)	TPH (EPA 8015 Mod. Diesel)	BTEX (EPA 8020/602)	Volatile Organics (EPA 8240)	Test for Disposal	Combination TPH 8015 & BTEX 8020	MTBE		Asbestos	Container Size	Preparation Used	Composite Y/N	MATERIAL DESCRIPTION	SAMPLE CONDITION/ COMMENTS
MW1	4/9/97			X		3						X	X							
MW2	↓			↓		↓						↓	↓							
MW3	↓			↓		↓						↓	↓							
MW4	↓			↓		↓						↓	↓							
EB	↓			↓		↓						↓	↓							
DUP	↓			↓		↓						↓	↓							

Relinquished By (signature):	Printed Name:	Date/Time	Received (signature):	Printed Name:	Date/Time
[signature]	WR Jones	Date: 4/10/97 Time: 10:36	[signature]	S Wright	Date: 4/10/97 Time: 10:36
[signature]	S Wright	Date: 4/10/97 Time: 1:52			Date: Time:
		Date: Time:	[signature]	P. Ue	Date: 04-10-97 Time: 12:11

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

Shell Oil Chain of Custody

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 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

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

Project: Shelll San Leandro/970409-W4

Enclosed are the results from samples received at Sequoia Analytical on April 10, 1997. The requested analyses are listed below:

SAMPLE #	SAMPLE DESCRIPTION	DATE COLLECTED	TEST METHOD
9704665 -01	LIQUID, MW-1	04/09/97	TPGBMW Purgeable TPH/BTEX
9704665 -02	LIQUID, MW-2	04/09/97	TPGBMW Purgeable TPH/BTEX
9704665 -03	LIQUID, MW-3	04/09/97	TPGBMW Purgeable TPH/BTEX
9704665 -04	LIQUID, MW-4	04/09/97	TPGBMW Purgeable TPH/BTEX
9704665 -05	LIQUID, EB	04/09/97	TPGBMW Purgeable TPH/BTEX
9704665 -06	LIQUID, DUP	04/09/97	TPGBMW Purgeable TPH/BTEX

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

Very truly yours,

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
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Blaine Tech Services	Client Proj. ID: Shell San Leandro/970409-W4	Sampled: 04/09/97
1680 Rogers Avenue	Sample Descript: MW-1	Received: 04/10/97
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 04/17/97
Attention: Fran Thie	Lab Number: 9704665-01	Reported: 04/22/97

QC Batch Number: GC041797BTEX06A
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**	**130**
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	101

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, (415) 364-9600, FAX (415) 364-9233
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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Blaine Tech Services	Client Proj. ID: Shell San Leandro/970409-W4	Sampled: 04/09/97
1680 Rogers Avenue	Sample Descript: MW-2	Received: 04/10/97
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 04/18/97
Attention: Fran Thie	Lab Number: 9704665-02	Reported: 04/22/97

QC Batch Number: GC041897BTEX06A
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	20000
Methyl t-Butyl Ether	250	3200
Benzene	50	970
Toluene	50	3500
Ethyl Benzene	50	330
Xylenes (Total)	50	2000
Chromatogram Pattern:		C6-C12

Surrogates	Control Limits %		% Recovery
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

Sequoia Analytical

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Blaine Tech Services	Client Proj. ID: Shelll San Leandro/970409-W4	Sampled: 04/09/97
1680 Rogers Avenue	Sample Descript: MW-3	Received: 04/10/97
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 04/17/97
Attention: Fran Thie	Lab Number: 9704665-03	Reported: 04/22/97

QC Batch Number: GC041797BTEX07A
Instrument ID: GCHP07

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**5000**	**24000**
Methyl t-Butyl Ether	**250**	**4100**
Benzene	**50**	**2900**
Toluene	**50**	**5300**
Ethyl Benzene	**50**	**420**
Xylenes (Total)	**50**	**2200**
Chromatogram Pattern:		**C6-C12**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	96

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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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Blaine Tech Services	Client Proj. ID: Shell San Leandro/970409-W4	Sampled: 04/09/97
1680 Rogers Avenue	Sample Descript: MW-4	Received: 04/10/97
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 04/21/97
Attention: Fran Thie	Lab Number: 9704665-04	Reported: 04/22/97

QC Batch Number: GC042197BTEX06A
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	N.D.
Methyl t-Butyl Ether	**125**	**8100**
Benzene	**25**	**120**
Toluene	25	N.D.
Ethyl Benzene	25	N.D.
Xylenes (Total)	25	N.D.
Chromatogram Pattern:		

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

Sequoia Analytical

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Blaine Tech Services	Client Proj. ID: Shelll San Leandro/970409-W4	Sampled: 04/09/97
1680 Rogers Avenue	Sample Descript: EB	Received: 04/10/97
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 04/18/97
Attention: Fran Thie	Lab Number: 9704665-05	Reported: 04/22/97

QC Batch Number: GC041897BTEX07A
Instrument ID: GCHP07

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	73

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, (415) 364-9600, FAX (415) 364-9233
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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Blaine Tech Services	Client Proj. ID: Shelll San Leandro/970409-W4	Sampled: 04/09/97
1680 Rogers Avenue	Sample Descript: DUP	Received: 04/10/97
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 04/18/97
Attention: Fran Thie	Lab Number: 9704665-06	Reported: 04/22/97

QC Batch Number: GC041897BTEX07A
Instrument ID: GCHP07

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**5000**	**24000**
Methyl t-Butyl Ether	**250**	**4700**
Benzene	**50**	**3000**
Toluene	**50**	**5600**
Ethyl Benzene	**50**	**450**
Xylenes (Total)	**50**	**2300**
Chromatogram Pattern:		**C6-C12**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	102

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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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112 Attention: Fran Thie	Client Proj. ID: Shell San Leandro/970409-W4 Lab Proj. ID: 9704665	Received: 04/10/97 Reported: 04/22/97

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 15 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

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

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

Client Project ID: Shell San Leandro/ 970409-W4
Matrix: Liquid
Work Order #: 9704665 -01
Reported: Apr 30, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Gas
QC Batch#:	GC041797BTEX06A	GC041797BTEX06A	GC041797BTEX06A	GC041797BTEX06A	GC041797BTEX06A
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. Porter	A. Porter	A. Porter	A. Porter	A. Porter
MS/MSD #:	970451904	970451904	970451904	970451904	970451904
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	4/17/97	4/17/97	4/17/97	4/17/97	4/17/97
Analyzed Date:	4/17/97	4/17/97	4/17/97	4/17/97	4/17/97
Instrument I.D.#:	GCHP06	GCHP06	GCHP06	GCHP06	GCHP06
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
Result:	9.0	9.0	9.0	27	73
MS % Recovery:	90	90	90	90	122
Dup. Result:	9.5	9.4	9.5	28	77
MSD % Recov.:	95	94	95	93	128
RPD:	5.4	4.3	5.4	3.6	5.3
RPD Limit:	0-50	0-50	0-50	0-50	0-50
LCS #:	BLK041797	BLK041797	BLK041797	BLK041797	BLK041797
Prepared Date:	4/17/97	4/17/97	4/17/97	4/17/97	4/17/97
Analyzed Date:	4/17/97	4/17/97	4/17/97	4/17/97	4/17/97
Instrument I.D.#:	GCHP06	GCHP06	GCHP06	GCHP06	GCHP06
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
LCS Result:	9.4	9.3	9.4	28	75
LCS % Recov.:	94	93	94	93	125
MS/MSD Control Limits	60-140	60-140	60-140	60-140	60-140
LCS Control Limits	70-130	70-130	70-130	70-130	70-130

SEQUOIA ANALYTICAL

Reggy Penner
Project Manager

Please Note:
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Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Blaine Tech Services, Inc.	Client Project ID:	Shell San Leandro/ 970409-W4	
1680 Rogers Avenue	Matrix:	Liquid	
San Jose, CA 95112			
Attention: Fran Thie	Work Order #:	9704665 -02	Reported: Apr 30, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Gas
QC Batch#:	GC041897BTEX06A	GC041897BTEX06A	GC041897BTEX06A	GC041897BTEX06A	GC041897BTEX06A
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. Porter	A. Porter	A. Porter	A. Porter	A. Porter
MS/MSD #:	970451906	970451906	970451906	970451906	970451906
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	4/19/97	4/19/97	4/19/97	4/19/97	4/19/97
Analyzed Date:	4/19/97	4/19/97	4/19/97	4/19/97	4/19/97
Instrument I.D.#:	GCHP06	GCHP06	GCHP06	GCHP06	GCHP06
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
Result:	9.0	9.8	10	32	82
MS % Recovery:	90	98	100	107	137
Dup. Result:	8.0	8.7	9.4	28	73
MSD % Recov.:	80	87	94	93	122
RPD:	12	12	6.2	13	12
RPD Limit:	0-50	0-50	0-50	0-50	0-50
LCS #:	BLK041897	BLK041897	BLK041897	BLK041897	BLK041897
Prepared Date:	4/19/97	4/19/97	4/19/97	4/19/97	4/19/97
Analyzed Date:	4/19/97	4/19/97	4/19/97	4/19/97	4/19/97
Instrument I.D.#:	GCHP06	GCHP06	GCHP06	GCHP06	GCHP06
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
LCS Result:	8.7	9.4	10	30	78
LCS % Recov.:	87	94	100	100	130
MS/MSD Control Limits	60-140	60-140	60-140	60-140	60-140
LCS Control Limits	70-130	70-130	70-130	70-130	70-130

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager

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

Client Project ID: Shell San Leandro/ 970409-W4
Matrix: Liquid
Work Order #: 9704665 -03
Reported: Apr 30, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Gas
QC Batch#:	GC041797BTEX07A	GC041797BTEX07A	GC041797BTEX07A	GC041797BTEX07A	GC041797BTEX07A
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. Porter	A. Porter	A. Porter	A. Porter	A. Porter
MS/MSD #:	970451904	970451904	970451904	970451904	970451904
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	4/17/97	4/17/97	4/17/97	4/17/97	4/17/97
Analyzed Date:	4/17/97	4/17/97	4/17/97	4/17/97	4/17/97
Instrument I.D.#:	GCHP07	GCHP07	GCHP07	GCHP07	GCHP07
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
Result:	10	9.9	9.8	29	64
MS % Recovery:	100	99	98	97	107
Dup. Result:	11	10	10	31	68
MSD % Recov.:	110	100	100	103	113
RPD:	9.5	1.0	2.0	6.7	6.1
RPD Limit:	0-50	0-50	0-50	0-50	0-50
LCS #:	BLK041797	BLK041797	BLK041797	BLK041797	BLK041797
Prepared Date:	4/17/97	4/17/97	4/17/97	4/17/97	4/17/97
Analyzed Date:	4/17/97	4/17/97	4/17/97	4/17/97	4/17/97
Instrument I.D.#:	GCHP07	GCHP07	GCHP07	GCHP07	GCHP07
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
LCS Result:	10	10	9.9	30	64
LCS % Recov.:	100	100	99	100	107
MS/MSD Control Limits	60-140	60-140	60-140	60-140	60-140
LCS Control Limits	70-130	70-130	70-130	70-130	70-130

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager

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

Client Project ID: Shell San Leandro/ 970409-W4
Matrix: Liquid
Work Order #: 9704665 -04
Reported: Apr 30, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Gas
QC Batch#:	GC042197BTEX06A	GC042197BTEX06A	GC042197BTEX06A	GC042197BTEX06A	GC042197BTEX06A
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. Porter	A. Porter	A. Porter	A. Porter	A. Porter
MS/MSD #:	970487301	970487301	970487301	970487301	970487301
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	4/21/97	4/21/97	4/21/97	4/21/97	4/21/97
Analyzed Date:	4/21/97	4/21/97	4/21/97	4/21/97	4/21/97
Instrument I.D.#:	GCHP06	GCHP06	GCHP06	GCHP06	GCHP06
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
Result:	9.7	9.1	9.1	27	79
MS % Recovery:	97	91	91	90	132
Dup. Result:	9.7	9.2	9.2	27	80
MSD % Recov.:	97	92	92	90	133
RPD:	0.0	1.1	1.1	0.0	1.3
RPD Limit:	0-50	0-50	0-50	0-50	0-50

LCS #:	BLK042197BSA	BLK042197BSA	LK042197BSA	BLK042197BSA	BLK042197BSA
Prepared Date:	4/21/97	4/21/97	4/21/97	4/21/97	4/21/97
Analyzed Date:	4/21/97	4/21/97	4/21/97	4/21/97	4/21/97
Instrument I.D.#:	GCHP06	GCHP06	GCHP06	GCHP06	GCHP06
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
LCS Result:	9.4	9.3	9.3	27	74
LCS % Recov.:	94	93	93	90	123

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

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

Client Project ID: Shell San Leandro/ 970409-W4
Matrix: Liquid
Work Order #: 9704665 -05 -06

Reported: Apr 30, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Gas
QC Batch#:	GC041897BTEX07A	GC041897BTEX07A	GC041897BTEX07A	GC041897BTEX07A	GC041897BTEX07A
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. Porter	A. Porter	A. Porter	A. Porter	A. Porter
MS/MSD #:	970451906	970451906	970451906	970451906	970451906
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	4/18/97	4/18/97	4/18/97	4/18/97	4/18/97
Analyzed Date:	4/18/97	4/18/97	4/18/97	4/18/97	4/18/97
Instrument I.D.#:	GCHP07	GCHP07	GCHP07	GCHP07	GCHP07
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
Result:	9.9	11	11	34	71
MS % Recovery:	99	110	110	113	118
Dup. Result:	9.7	10	11	33	68
MSD % Recov.:	97	100	110	110	113
RPD:	2.0	9.5	0.0	3.0	4.3
RPD Limit:	0-50	0-50	0-50	0-50	0-50

LCS #:	BLK041897BSA	BLK041897BSA	LK041897BSA	BLK041897BSA	BLK041897BSA
Prepared Date:	4/18/97	4/18/97	4/18/97	4/18/97	4/18/97
Analyzed Date:	4/18/97	4/18/97	4/18/97	4/18/97	4/18/97
Instrument I.D.#:	GCHP07	GCHP07	GCHP07	GCHP07	GCHP07
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
LCS Result:	11	11	12	37	74
LCS % Recov.:	110	110	120	123	123

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

SEQUOIA ANALYTICAL

Reggy Penner
Project Manager

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WELL GAUGING DATA

Project # 970409-W4 Date 4/9 Client 2046852 0703

Site 1285 BANCROFT San Leandro

Well I.D.	Well Size (in.)	Sheen/ Odor	Depth to Immiscible Liquid (feet)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to Water (feet)	Depth to Well Bottom (feet)	Survey Point: TOB or TOC
MW 1	4					32.90	59.10	TOC
MW 2	4					32.78	59.00	↓
MW 3	4					33.42	57.80	↓
MW 4	4					34.15	54.64	↓