CAMBRIA

April 17, 1998

Scott Seery
Alameda County Department of
Environmental Health
Hazardous Materials Division
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502-6577

Re: **First Quarter 1998 Monitoring Report**
Shell Service Station
1784 150th Avenue
San Leandro, California
WIC #204-6852-1404
Cambria #24-314-198

Dear Mr. Seery:

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.

FIRST QUARTER 1998 ACTIVITIES

Ground Water Monitoring: Due to a laboratory oversight, the samples collected during the fourth quarter of 1997 were not analyzed within hold time. After the laboratory oversight was discovered, Blaine Tech Services, Inc. (Blaine) of San Jose, California scheduled the soonest possible date to sample the site. On February 2, 1998, Blaine measured ground water depths, checked for accumulated separate-phase hydrocarbons (SPH), and collected ground water samples from the site wells. As approved on March 5, 1998 by Scott Seery of the Alameda County Department of Environmental Health (ACDEH), Cambria is submitting this first quarter monitoring report based on the samples collected by Blaine on February 2, 1998.

Corrective Action Plan (CAP): Cambria submitted a CAP dated January 9, 1998 for the site that proposed installation of additional monitoring wells and continued ground water monitoring.

Dispenser Upgrade Sampling: Cambria submitted a *Dispenser Soil Sampling Report* dated March 23, 1998 presenting the soil sample analytical results for the December 1997 dispenser upgrade.

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

ANTICIPATED SECOND QUARTER 1998 ACTIVITIES

Ground Water Monitoring: Blaine will measure ground water depths, collect water samples, and check for accumulated SPH. Cambria will submit a report presenting a summary of activities for second quarter 1998.

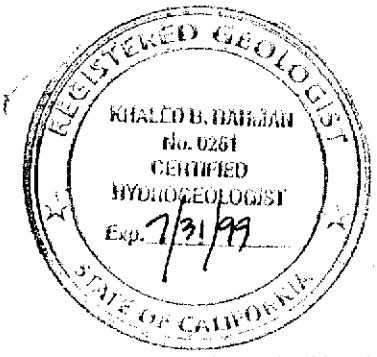
CAP: Cambria understands that the ACDEH plans to meet with Shell to discuss the CAP during the second quarter. Upon written approval of the CAP by the ACDEH, Cambria will obtain the necessary permits and schedule field activities.

CLOSING

We appreciate your assistance with this project. Please call if you have any questions.

Sincerely,
Cambria Environmental Technology, Inc.

Khaled B. Rahman, R.G., C.H.G.
Senior Geologist



Attachments: A - Blaine Ground Water Monitoring Report

cc: A. E. (Alex) Perez, Shell Oil Products Company, P.O. Box 8080, Martinez, California 94553

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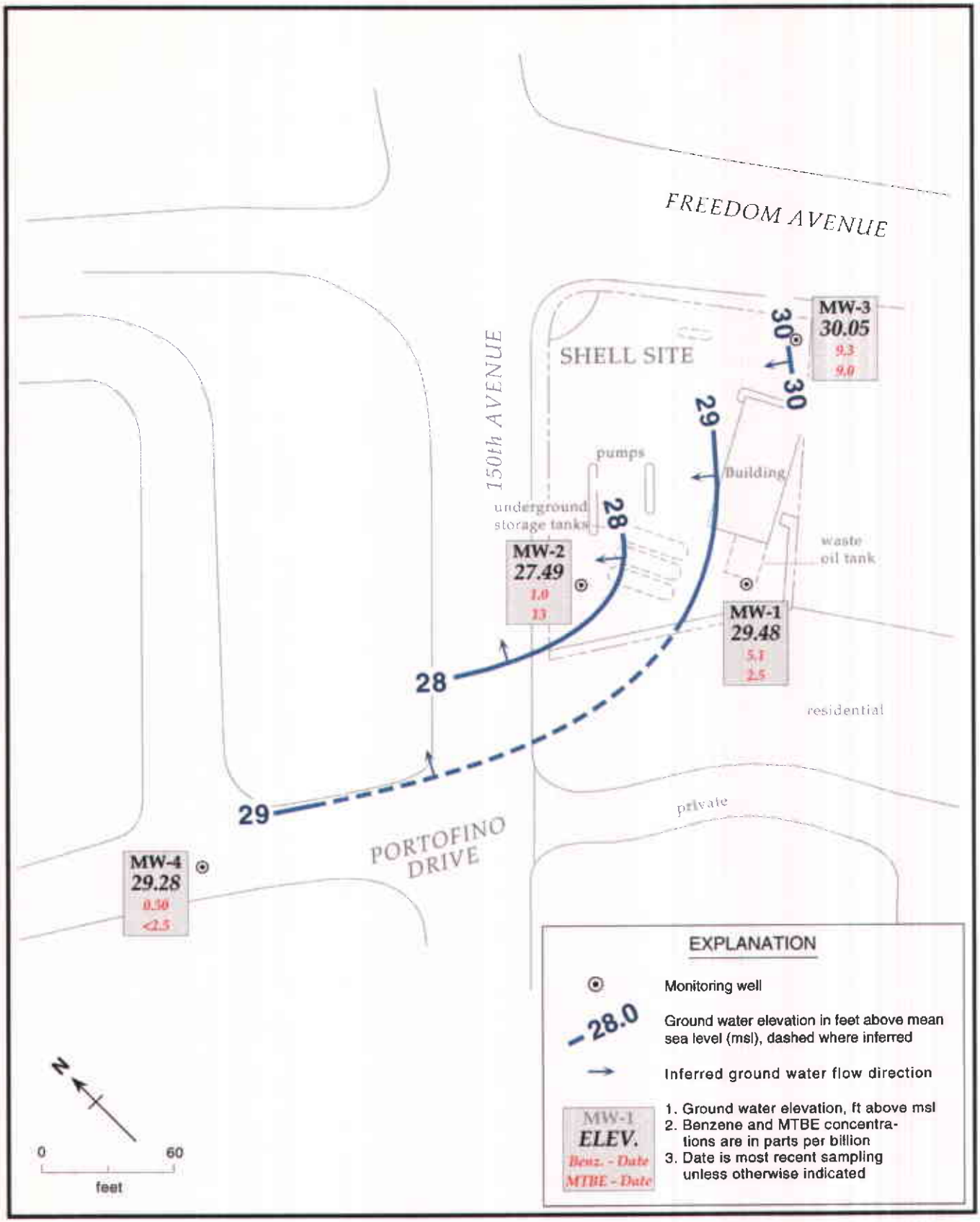

Figure 1 . Ground Water Elevation Contours - February 2, 1998 - Shell Service Station, WIC #204-6852-1404, 1784 150th Avenue, San Leandro, California

10/28/97

Table 1. **Ground Water Elevations** - Shell Service Station WIC #204-6852-1404, 1784 150th Avenue, San Leandro, California

Well ID	Date	Top-of-Casing Elevation (ft above msl)	Depth to Water (ft below TOC)	Separate-Phase Hydrocarbon Thickness (ft)	Ground Water Elevation[a] (ft above msl)
MW-1	03/08/90	49.13	25.29	---	23.84
	06/12/90		25.85	---	23.28
	09/13/90		27.49	---	21.64
	12/18/90		27.41	---	21.72
	03/07/91		25.79	---	23.34
	06/07/91		25.64	---	23.49
	09/17/91		27.54	---	21.59
	12/09/91		27.81	---	21.32
	02/13/92		25.57	---	23.56
	02/24/92		22.83	---	26.30
	02/27/92		23.09	---	26.04
	03/01/92		23.26	---	25.87
	06/03/92		24.64	---	24.49
	09/01/92		26.74	---	22.39
	10/06/92		27.18	---	21.95
	11/11/92		27.99	---	21.14
	12/04/92		27.14	---	21.99
	01/22/93		20.09	---	29.04
	02/10/93		24.26	---	24.87
	03/03/93		20.50	---	28.63
	05/11/93		21.70	---	27.43
	06/17/93		22.42	---	26.71
	09/10/93		24.11	---	25.02
	12/13/93		23.73	---	25.40
	03/03/94		22.08	---	27.05
	06/06/94		23.10	---	26.03
	09/12/94		25.19	---	23.94
	12/19/94		23.06	---	26.07
	02/28/95		20.90	---	28.23
	03/24/95		18.28	---	30.85
	06/26/95		20.40	---	28.73
	09/13/95		22.62	---	26.51
	12/19/95		22.10	---	27.03
	03/07/96		18.83	0.05	30.34
	06/28/96		21.46	---	27.67
	09/26/96		23.57	0.01	25.57
	12/10/96		21.43	---	27.70
	03/10/97		20.08	---	29.05
	06/30/97		21.68		27.45
	09/12/97		21.78	---	27.35
	12/18/97		20.78	---	28.35
	02/02/98		**19.65**	**---**	**29.48**
MW-2	02/13/92	45.63	22.22	---	23.61
	02/24/92		19.61	---	26.22
	02/27/92		19.92	---	25.91

Table 1. **Ground Water Elevations** - Shell Service Station WIC #204-6852-1404, 1784 150th Avenue, San Leandro, California (continued)

Well ID	Date	Top-of-Casing Elevation (ft above msl)	Depth to Water (ft below TOC)	Separate-Phase Hydrocarbon Thickness (ft)	Ground Water Elevation[a] (ft above msl)
	03/01/92		21.11	---	24.72
	06/03/92		21.58	---	24.25
	09/01/92		23.46	---	22.37
	10/06/92		23.99	---	21.84
	11/11/92		24.25	---	21.58
	12/04/92		23.89	---	21.94
	01/22/93		17.03	---	28.80
	02/10/93		18.08	---	27.75
	03/03/93		17.28	---	28.55
	05/11/93		18.41	---	27.42
	06/17/93		19.06	---	26.77
	09/10/93		20.88	---	24.95
	12/13/93		20.42	---	25.41
	03/03/94		18.48	---	27.35
	06/06/94		20.26	---	25.57
	09/12/94		21.80	---	24.03
	12/19/94		19.66	---	26.17
	02/28/95		17.51	---	28.32
	03/24/95		14.88	---	30.95
	06/26/95		17.58	---	28.25
	09/13/95		19.28	---	26.55
	12/19/95		18.61	---	27.22
	03/06/96		15.41	---	30.42
	06/28/96		17.84	---	27.99
	09/26/96		19.60	---	26.23
	12/10/96		18.15	0.25	27.48
	03/10/97		17.02	0.20	28.77
	06/30/97		19.42	---	26.21
	09/12/97		19.40	---	26.23
	12/18/97		17.56	---	28.07
	02/02/98		**18.14**	**---**	**27.49**
MW-3	02/13/92	51.97	27.97	---	24.00
	02/24/92		25.60	---	26.37
	02/27/92		25.88	---	26.09
	03/01/92		26.00	---	25.97
	06/03/92		27.70	---	24.27
	09/01/92		29.46	---	22.51
	10/06/92		30.01	---	21.96
	11/11/92		30.26	---	21.71
	12/04/92		29.93	---	22.04
	01/22/93		22.76	---	29.21
	02/10/93		21.40	---	30.57
	03/03/93		23.08	---	28.89

Table 1. **Ground Water Elevations** - Shell Service Station WIC #204-6852-1404, 1784 150th Avenue, San Leandro, California (continued)

Well ID	Date	Top-of-Casing Elevation (ft above msl)	Depth to Water (ft below TOC)	Separate-Phase Hydrocarbon Thickness (ft)	Ground Water Elevation[a] (ft above msl)
	05/11/93		24.51	---	27.46
	06/17/93		25.21	---	26.76
	09/10/93		26.95	---	25.02
	12/13/93		26.52	---	25.45
	03/03/94		24.50	---	27.47
	06/06/94		26.33	---	25.64
	09/12/94		27.98	---	23.99
	12/19/94		25.63	---	26.34
	02/28/95		23.45	---	28.52
	03/24/95		21.07	---	30.90
	06/26/95		23.64	---	28.33
	09/13/95		25.40	---	26.57
	12/19/95		24.53	---	27.44
	03/07/96		21.59	0.04	30.41
	06/28/96		23.95	---	28.02
	09/26/96		25.89	---	26.08
	12/10/96		24.22	---	27.75
	03/10/97		23.05	---	28.92
	06/30/97		24.34	---	27.63
	09/12/97		24.47	---	27.50
	12/18/97		23.54	---	28.43
	02/02/98		**21.92**	**---**	**30.05**
MW-4	03/24/95	40.51	9.16	---	31.35
	06/26/95		12.06	---	28.45
	09/13/95		13.90	---	26.61
	12/19/95		12.90	---	27.61
	03/06/96		9.63	---	30.88
	06/28/96		12.30	---	28.21
	09/26/96		14.12	---	26.39
	12/10/96		12.31	---	28.20
	03/10/97		11.34	---	29.17
	06/30/97		13.80	---	26.71
	09/12/97		13.99	---	26.52
	12/18/97		12.02	---	28.49
	02/02/98		**11.23**	**---**	**29.28**

Notes and Abbreviations:

a = When separate-phase hydrocarbons are present, ground water elevation is corrected using the relation: ground water elevation = top of casing + (0.8 x separate phase hydrocarbon thickness) - depth to water.
ft = Feet
msl = Mean sea level
TOC = Top of casing

Table 2. **Analytical Results for Ground Water** - Shell Service Station WIC #204-6852-1404, 1784 150th Avenue, San Leandro, California

Well ID	Date Sampled	Depth to Water (ft)	TPH-G	TPH-D	POG	B	E	T	X	1,2-DCA	MTBE	DO (mg/L)
			◄ parts per billion (µg/L) ►									
MW-1	03/08/90	25.29	510	120[a]	<10,000	1.5	<0.5	0.8	5.4	12	---	---
	06/12/90	25.85	390	100[a]	<10,000	86	0.7	1.3	6.2	<0.4	---	---
	09/13/90	27.49	100	130[a]	<10,000	56	2.4	0.75	2.8	<0.4[b]	---	---
	12/18/90	27.41	480	<50[a]	<10,000	54	3.3	1.7	3.7	5.3	---	---
	03/07/91	25.79	80	<50[a]	---	266	1.2	<0.5	<1.5	6.7	---	---
	06/07/91	25.64	510	<50[a]	---	130	6.1	3.8	11	7.9	---	---
	09/17/91	27.54	330	120[a,c]	---	67	3	<0.5	2.2	6	---	---
	12/09/91	27.81	140[d]	80	---	<0.5	1.7	<0.5	4.7	5.4	---	---
	03/01/92	23.36	<50	<50	---	<0.5	<0.5	<0.5	<0.5	3	---	---
	06/03/92	24.64	1,500	---	---	520	72	180	230	3	---	---
	09/01/92	26.74	130	---	---	16	1.8	1.4	3.4	1.3[e]	---	---
	12/04/92	27.14	150	---	---	360	1.8	0.7	2.1	3.3	---	---
	03/03/93	20.50	<50	---	---	1.5	<0.5	<0.5	<0.5	0.76	---	---
	06/17/93	22.42	1,600	---	---	340	120	120	440	3	---	---
	09/10/93	24.11	2,600	---	---	670	310	340	730	2.3	---	---
	12/13/93	23.73	11,000	---	---	470	380	320	2,300	6.3	---	---
	03/03/94	22.08	16,000	---	---	700	480	690	3,200	---	---	---
	06/06/94	23.10	7,500	---	---	420	200	280	1,000	3.1	---	---
	09/12/94	25.19	1,200	---	---	110	3.3	21	420	2.6	---	---
	12/19/94	23.06	4,600	---	---	470	230	330	1,300	3.7	---	---
	02/28/95	20.90	500	---	---	59	6.8	32	68	5.0	---	---
	06/26/95	20.40	5,500	---	---	740	300	420	1,800	8.6	---	---
	09/13/95	22.62	84,000	---	---	1,900	3,000	2,600	14,000	12	---	---
	12/19/95	22.10	80,000	---	---	660	170	350	18,000	<0.4	---	---
	03/06/96[SPH]	---	---	---	---	---	---	---	---	---	---	---
	06/28/96	21.46	270,000	---	---	2,800	1,000	820	16,000	---	<0.5	---
	06/28/96[dup]	21.46	790,000	---	---	2,200	1,000	780	13,000	---	15,000	---
	09/26/96	23.57	29,000	---	---	1,100	270	260	1,900	9.8	<1,000	---
	09/26/96[dup]	23.57	25,000	---	---	1,200	240	320	1,900	11	<1,000	---
	12/10/96	21.43	13,000	---	---	510	230	240	1,200	16	100	1.0

Table 2. **Analytical Results for Ground Water** - Shell Service Station WIC #204-6852-1404, 1784 150th Avenue, San Leandro, California (continued)

Well ID	Date Sampled	Depth to Water (ft)	TPH-G	TPH-D	POG	B	E	T	X	1,2-DCA	MTBE	DO (mg/L)
			← parts per billion (µg/L) →									
	12/10/96[dup]	21.43	8,400	---	---	420	140	130	680	17	81	1.0
	03/10/97	20.08	4,200	---	---	13	16	8.8	74	12	<12	2.0
	03/10/97[dup]	20.08	5,100	---	---	12	17	8.9	79	11	<25	2.0
	06/30/97	21.68	5,700	---	---	320	140	120	700	21	47	1.6
	06/30/97[dup]	21.68	5,300	---	---	300	120	95	580	22	45	1.6
	09/12/97	21.78	6,300	---	---	120	82	26	260	12	30	2.1
	12/18/97[l]	20.78	---	---	---	---	---	---	---	---	---	1.3
	02/02/98	**19.65**	**84**	**---**	**---**	**5.1**	**<0.50**	**<0.50**	**2.1**	**20**	**2.5**	**2.0**
MW-2	02/24/92	19.61	17,000	2,700[c]	---	6,200	550	1,600	1,900	200	---	---
	03/01/92	21.11	86,000	1,000[c]	---	30,000	2,300	34,000	16,000	82	---	---
	06/03/92	21.58	87,000	---	---	28,000	2,000	18,000	10,000	<50	---	---
	09/01/92	23.46	110,000	---	---	21,000	1,900	13,000	7,800	83	---	---
	12/04/92	23.89	42,000	---	---	15,000	960	2,400	2,900	100	---	---
	03/03/93	17.28	160,000	---	---	36,000	32,000	3,800	21,000	7.7	---	---
	03/03/93	17.28	150,000	---	---	31,000	20,000	3,100	14,000	16	---	---
	06/17/93	19.06	65,000	---	---	34,000	3,200	15,000	11,000	37	---	---
	06/17/93	19.06	62,000	---	---	28,000	2,700	14,000	10,000	36	---	---
	09/10/93[f]	20.88	72,000	---	---	24,000	2,300	16,000	11,000	28.0	---	---
	09/10/93[dup,f]	20.88	71,000	---	---	23,000	2,300	15,000	10,000	27.0	---	---
	12/13/93	20.42	19,000	---	---	5,400	680	4,900	3,100	<0.5	---	---
	12/13/93[dup]	20.42	17,000	---	---	6,200	720	5,500	3,500	3.4	---	---
	03/03/94	18.48	110,000	---	---	21,000	2000	24,000	13,000	---	---	---
	03/03/94[dup]	18.48	93,000	---	---	19,000	1,800	22,000	12,000	---	---	---
	06/06/94	20.26	10,000	---	---	1,900	2,500	3,300	13,000	5.8	---	---
	06/06/94[dup]	20.26	99,000	---	---	9,900	2,400	12,000	12,000	5.7	---	---
	09/12/94	21.80	160,000	---	---	22,000	3,400	33,000	23,000	<0.4	---	---
	09/12/94[dup]	21.80	150,000	---	---	23,000	3,500	34,000	23,000	<0.4	---	---
	12/19/94	19.66	80,000	---	---	17,000	2,300	16,000	14,000	<0.4	---	---

Table 2. **Analytical Results for Ground Water** - Shell Service Station WIC #204-6852-1404, 1784 150th Avenue, San Leandro, California (continued)

Well ID	Date Sampled	Depth to Water (ft)	TPH-G	TPH-D	POG	B	E	T	X	1,2-DCA	MTBE	DO (mg/L)
			◄ parts per billion (µg/L) ►									
	12/19/94[dup]	19.66	100,000	---	---	28,000	3,400	26,000	20,000	<0.4	---	---
	02/28/95	17.51	100,000	---	---	24,000	2,300	18,000	17,000	<0.4	---	---
	02/28/95[dup]	17.51	100,000	---	---	31,000	3,200	21,000	18,000	<0.4	---	---
	06/26/95	17.58	45,000	---	---	14,000	1,500	12,000	7,500	3.4	---	---
	06/26/95[dup]	17.58	68,000	---	---	13,000	1,800	11,000	7,700	---	---	---
	09/13/95	19.28	110,000	---	---	19,000	2,800	19,000	15,000	7.2	---	---
	09/13/95[dup]	19.28	120,000	---	---	20,000	2,900	20,000	15,000	<0.4	---	---
	12/19/95	18.61	180,000	---	---	18,000	4,100	29,000	24,000	<0.4	---	---
	12/19/95[dup]	18.61	160,000	---	---	18,000	3,800	28,000	24,000	<0.4	---	---
	03/06/96	15.41	120,000	---	---	28,000	3,900	15,000	17,000	<20	---	---
	06/28/96	17.84	96,000	---	---	20,000	4,100	20,000	22,000	---	2,400	---
	09/26/96	19.60	87,000	---	---	7,600	2,500	11,000	15,000	56**	990*	---
	12/10/96[SPH]	18.15	---	---	---	---	---	---	---	---	---	---
	03/10/97[SPH]	17.02	---	---	---	---	---	---	---	---	---	---
	06/30/97	19.42	57,000	---	---	3,600	1,300	4,600	9,700	<50	2,300	2.4
	09/12/97	19.40	88,000	---	---	7,800	2,600	8,800	16,000	<25	3,200	1.7
	09/12/97[dup]	19.40	90,000	---	---	8,300	2,700	9,400	17,000	<25	3,400	1.7
	12/18/97[1]	17.56	---	---	---	---	---	---	---	---	---	1.3
	02/02/98	**18.14**	**<50**	**---**	**---**	**0.60**	**[illegible]**	**1.9**	**6.0**	**<0.50**	**9.3**	**2.0**
	02/02/98[dup]	**18.14**	**56**	**---**	**---**	**1.0**	**1.3**	**2.8**	**9.3**	**<0.50**	**13**	**2.0**
MW-3	02/24/92	25.60	4,500	1,300[c]	---	97	78	<5	18	9.1	---	---
	03/01/92	26.00	2,200	440	---	69	<0.5	<0.5	<0.5	13	---	---
	06/03/92	27.70	4,100	---	---	13	44	72	65	16	---	---
	09/01/92	29.46	1,900	---	---	20	5.5	6.8	<5	19	---	---
	09/01/92[dup]	29.46	1,900	---	---	21	3.4	6.6	<5	21	---	---
	12/04/92	29.93	2,400	---	---	8.2	<5	<5	<5	16	---	---
	12/04/92[dup]	29.93	2,100	---	---	11	5.7	<0.5	<0.5	18	---	---
	03/03/93	23.08	5,100	---	---	63	75	61	150	3.3	---	---

where did HC go ?

Table 2. **Analytical Results for Ground Water** - Shell Service Station WIC #204-6852-1404, 1784 150th Avenue, San Leandro, California (continued)

Well ID	Date Sampled	Depth to Water (ft)	TPH-G	TPH-D	POG	B	E	T	X	1,2-DCA	MTBE	DO (mg/L)
			←			parts per billion (µg/L)					→	
	06/17/93	25.21	4,000	---	---	94	82	140	150	23	---	---
	09/10/93	26.95	3,200	---	---	140	12.5	12.5	12.5	20.0	---	---
	12/13/93	26.52	6,200	---	---	<12.5	<12.5	<12.5	<12.5	13	---	---
	03/03/94	24.50	4,500	---	---	73	<5	<5	<5	---	---	---
	06/06/94	26.33	3,200	---	---	<0.5	3.1	<0.5	<0.5	16	---	---
	09/12/94	27.98	3,900	---	---	<0.5	9.6	<0.5	4.1	7.8	---	---
	12/19/94	25.63	2,400	---	---	21	4.2	22	2.6	25	---	---
	02/28/95	23.45	4,000	---	---	58	7.1	<0.5	3.5	18	---	---
	06/26/95	23.64	3,900	---	---	8.1	12	<0.5	2.4	15	---	---
	09/13/95	25.40	4,100	---	---	58	5.5	5.5	<0.5	6.7	---	---
	12/19/95	24.53	3,600	---	---	<0.5	2.1	4.3	1.1	6.6	---	---
	03/06/96[SPH]	---	---	---	---	---	---	---	---	---	---	---
	06/28/96	23.95	2,400	---	---	55	<0.5	<0.5	11	---	120	---
	09/26/96	25.89	2,500	---	---	<5.0	<5.0	<5.0	<5.0	25	160	---
	12/10/96	24.22	1,600	---	---	28	<2.0	4.2	3.9	34	110	0.8
	03/10/97	23.05	130	---	---	<0.50	<0.50	<0.50	1.4	3.5	4.2	2.8
	06/30/97	24.34	1,200	---	---	21	<2.0	2.3	<2.0	97	69	2.3
	09/12/97	24.47	440	---	---	8.3	<0.50	0.82	1.9	5.0	3.4	1.9
	12/18/97[l]	23.54	---	---	---	---	---	---	---	---	---	0.8
	02/02/98	**21.92**	**400**	**---**	**---**	**9.3**	**<0.50**	**0.68**	**<0.50**	**0.85**	**9.0**	**1.5**
MW-4	03/24/95	9.16	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.4	---	---
	06/26/95	12.06	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.4	---	---
	09/13/95	13.90	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.4	---	---
	12/19/95	12.90	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.4	---	---
	03/06/96	9.63	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.4	---	---
	06/28/96	12.30	40	---	---	<0.5	0.97	0.59	3.8	---	26	---
	09/26/96	14.12	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	---
	12/10/96[i]	12.31	<50	---	---	<0.5	<0.5	<0.5	<0.5	---	<2.5	1.2

Table 2. **Analytical Results for Ground Water** - Shell Service Station WIC #204-6852-1404, 1784 150th Avenue, San Leandro, California (continued)

Well ID	Date Sampled	Depth to Water (ft)	TPH-G	TPH-D	POG	B	E	T	X	1,2-DCA	MTBE	DO (mg/L)
			← parts per billion (µg/L) →									
	03/10/97[j]	11.34	<50	---	---	<0.50	<0.50	<0.50	<0.50	---	<2.5	---
	06/30/97[k]	13.80	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5	1.9
	09/12/97	13.99	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5	1.7
	12/18/97[l]	12.02	---	---	---	---	---	---	---	---	---	1.8
	02/02/98	**11.23**	**<50**	**---**	**---**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<2.5**	**1.0**
Trip Blank	03/08/90		<50	---	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	06/12/90		<50	---	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	12/18/90		<50	---	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	03/07/91		<50	---	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	06/07/91		<50	---	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	09/17/91		<50	---	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	12/09/91		<50	---	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	02/24/92		<50	---	---	<0.5	0.6	2.5	2.2	---	---	---
	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	<0.5	---	---
	12/04/92		<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5[g]	---	---
	03/03/93		<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	---	---
	06/17/93		<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	---	---
	09/10/93		<50	---	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	12/13/93		<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5[h]	---	---
	03/03/94		<50	---	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	06/06/94		<50	---	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	09/12/94		<50	---	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	12/19/94		<50	---	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	02/28/95		<50	---	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	03/24/95		<50	---	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	06/26/95		<50	---	---	4.1	<0.5	3.0	1.5	---	---	---

Table 2. **Analytical Results for Ground Water** - Shell Service Station WIC #204-6852-1404, 1784 150th Avenue, San Leandro, California (continued)

Well ID	Date Sampled	Depth to Water (ft)	TPH-G	TPH-D	POG	B	E	T	X	1,2-DCA	MTBE	DO (mg/L)
			← parts per billion (µg/L) →									
	09/13/95		<50	---	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	12/19/95		<50	---	---	<0.5	<0.5	<0.5	<0.5	---	---	---
Bailer	03/08/90		<50	---	---	<0.5	<0.5	<0.5	<0.5	---	---	---
Blank	09/01/92		<50	---		<0.5	<0.5	0.7	<0.5	<0.5	---	---
	12/04/92[g]		60	---		<0.5	<0.5	<0.5	<0.5	<0.5	---	---
MCLs			NE	NE	NE	1	700	150	1,750	0.5	NE	

Table 2. **Analytical Results for Ground Water** - Shell Service Station WIC #204-6852-1404, 1784 150th Avenue, San Leandro, California (continued)

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
POG = Petroleum oil and grease by American Public Health Association Standard Method 503E or 5520F
MTBE = Methyl tert-butyl ether by EPA Method 8020
B = Benzene by EPA Method 8020
E = Ethylbenzene by EPA Method 8020
T = Toluene by EPA Method 8020
X = Xylenes by EPA Method 8020
1,2-DCA = 1,2-Dichloroethane by EPA Method 8010. No other halogenated hydrocarbons detected unless otherwise noted.
DO = Dissolved oxygen
--- = Not analyzed
<n = Not detected above method detection limit of n µg/L
MCLs = California Primary maximum contaminant levels for drinking water (22 CCR 64444)
NE = Not established
SPH = Separate-phase hydrocarbons present in well; not sampled
µg/L = Micrograms per liter
mg/L = Milligrams per liter
ft = Feet
dup = Duplicate sample

Notes:

a = No total petroleum hydrocarbons as motor oil detected above modified EPA Method 8015 detection limit of 500 µg/L
b = Tetrachloroethene (PCE) detected at 24 µg/L by EPA Method 8010; MCL for PCE is 5 µg/L
c = Result is due to hydrocarbon compounds lighter than diesel
d = Result due to a non-gasoline hydrocarbon
e = In the matrix spike/matrix spike duplicate of sample MW-1, the RPD for Freon 113 and 1,3-dichlorobenzene was greater than 25%
f = The MW-2 and duplicate samples each contained 1.6 µg/L of methylene chloride which is within normal laboratory background levels
g = The trip and bailer blank samples contained 14 and 10 mg/L 1,3-dichlorobenzene, respectively
h = 1.4 mg/L Chloroethene detected in equipment blank; trip blank not analyzed
i = Tetrachloroethene (PCE) detected at 0.50 µg/L by EPA Method 8010
Trichloroethene (TCE) detected at 0.57 µg/L by EPA Method 8010; MCL for TCE is 5 µg/L
j = Trichloroethene detected at 0.52 µg/L by EPA Method 8010
k = Trichloroethene detected at 0.55 µg/L by EPA Method 8010
l = Samples not analyzed due to laboratory oversight
* = MTBE confirmed by EPA Method 8260
** = Result should be considered estimated due to being reported under the detection limit of 125 µg/L

CAMBRIA

ATTACHMENT A

Blaine Ground Water Monitoring Report

BLAINE
TECH SERVICES INC.

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

February 13, 1998

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

Attn: Alex Perez

Shell WIC #204-6852-1404
1784 150th Avenue
San Leandro, California

4th Quarter 1997

Groundwater Monitoring Report 971218-M-3

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

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

Yours truly,

Francis Thie

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

cc: Cambria Environmental Technology, Inc.
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	12/18/97	TOC	--	NONE	--	--	20.78	44.67
MW-1	02/02/98	TOC	--	NONE	--	--	19.65	44.66
MW-2*	12/18/97	TOC	ODOR	NONE	--	--	17.56	44.40
MW-2*	02/02/98	TOC	ODOR/SHEEN	NONE	--	--	18.14	44.37
MW-3	12/18/97	TOC	ODOR	NONE	--	--	23.54	41.70
MW-3	02/02/98	TOC	--	NONE	--	--	21.92	41.69
MW-4	12/18/97	TOC	--	NONE	--	--	12.02	24.85
MW-4	02/02/98	TOC	--	NONE	--	--	11.23	24.86

* Sample DUP was a duplicate sample taken from well MW-2.

9802084

SHELL OIL COMPANY
RETAIL ENVIRONMENTAL ENGINEERING - WEST

CHAIN OF CUSTODY RECORD
Serial No: 980202-A2

Date: 02-02-98
Page 1 of 1

Site Address: 1784 150th Ave., San Leandro, CA

WIC#: 204-6852-1404

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

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

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

Comments:

Sampled by: Al Gentry

Printed Name: AL GENTRY

LAB: SEQUOIA

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	BOTO	Asbestos	Container Size	Preparation Used	Composite Y/N	MATERIAL DESCRIPTION	SAMPLE CONDITION/ COMMENTS
01 MW-1	02/02/98			W		6	X		X				X	X						
02 MW-2	↓			↓		6	X		X				X	X						
03 MW-3						6	X		X				X	X						
04 MW-4						6	X		X				X	X						
05 DUP						6	X		X				X	X						
06 EB	↓			↓		3	X		X				X							

Relinquished By (signature): — Printed Name: AL GENTRY — Date: 2/3/98 Time: 11:30 — Received (signature): — Printed Name: FU Hacker — Date: 2/3/98 Time: 11:30

Relinquished By (signature): — Printed Name: — Date: 2/3/98 Time: — Received (signature): — Printed Name: — Date: Time:

Relinquished By (signature): — Printed Name: — Date: Time: — Received (signature): — Printed Name: Mike Yan — Date: 2/4/98 Time: 12:51

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

CHECK ONE (1) BOX ONLY

	CT/DT	TURN AROUND TIME
G.W. Monitoring	[X] 4461	24 hours [ ]
Site Investigation	[ ] 4441	48 hours [ ]
Soil Classify/Disposal	[ ] 4442	15 days [X] (Normal)
Water Classify/Disposal	[ ] 4443	Other [ ]
Soil/Air Rem. or Sys. O & M	[ ] 4452	NOTE: Notify Lab as soon as Possible of 24/48 hrs. TAT.
Water Rem. or Sys. O & M	[ ] 4453	
Other	[ ]	

UST AGENCY:

SHELL OIL COMPANY
RETAIL ENVIRONMENTAL ENGINEERING - WEST

CHAIN OF CUSTODY RECORD
Serial No: 980202-A2

Date: 02-02-98
Page 1 of 1

Site Address: 1784 150th Ave., San Leandro, CA

WIC#: 204-6852-1404

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

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

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

Comments:

Sampled by: Al Kenty

Printed Name: AL GENTRY

LAB: SEQUOIA

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	BOND	Asbestos	Container Size	Preparation Used	Composite Y/N	MATERIAL DESCRIPTION	SAMPLE CONDITION/ COMMENTS
MW-1	02/02/98			W		6	X		X				X	X						
MW-2						6	X		X				X	X						SEE PEGGY
MW-3						6	X		X				X	X						PENNER FOR TAT,
MW-4						6	X		X				X	X						
DUP						6	X		X				X	X						
EB						3	X		X				X	X						

CHECK ONE (1) BOX ONLY

		CT/DT
G.W. Monitoring	☒	4451
Site Investigation	☐	4443
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 ☐
- 10 days ☒ (Normal)
- Other ☐ ____

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

UST AGENCY: ____

	Printed Name:	Date:	Time:	Received (signature):	Printed Name:	Date:	Time:
Relinquished By (signature): Al Kenty	AL GENTRY	2/3/98	11:30		PO Hold	2/4/98	11:30
Relinquished By (signature):	Printed Name:	Date:	Time:	Received (signature):	Printed Name:	Date:	Time:
Relinquished By (signature):	Printed Name:	Date:	Time:	Received (signature):	Printed Name:	Date:	Time:

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

PAGE 2/2

408 573 7771

BLAINE TECH SERVICES

11:15

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

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

Project: Shell San Leandro/980202-A2

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

SAMPLE #	SAMPLE DESCRIPTION	DATE COLLECTED	TEST METHOD
9802084 -01	LIQUID, MW-1	02/02/98	8010 Halogenated Volatil
9802084 -01	LIQUID, MW-1	02/02/98	TPGM2W Purgeable TPH/BTEX
9802084 -02	LIQUID, MW-2	02/02/98	8010 Halogenated Volatil
9802084 -02	LIQUID, MW-2	02/02/98	TPGM2W Purgeable TPH/BTEX
9802084 -03	LIQUID, MW-3	02/02/98	8010 Halogenated Volatil
9802084 -03	LIQUID, MW-3	02/02/98	TPGM2W Purgeable TPH/BTEX
9802084 -04	LIQUID, MW-4	02/02/98	8010 Halogenated Volatil
9802084 -04	LIQUID, MW-4	02/02/98	TPGM2W Purgeable TPH/BTEX
9802084 -05	LIQUID, Dup	02/02/98	8010 Halogenated Volatil
9802084 -05	LIQUID, Dup	02/02/98	TPGM2W Purgeable TPH/BTEX
9802084 -06	LIQUID, EB	02/02/98	TPGM2W Purgeable TPH/BTEX

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

Very truly yours,

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager

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

Blaine Tech Services	Client Proj. ID: Shell San Leandro/980202-A2	Sampled: 02/02/98
1680 Rogers Avenue	Sample Descript: MW-1	Received: 02/03/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: EPA 8010	Analyzed: 02/06/98
Attention: Fran Thie	Lab Number: 9802084-01	Reported: 02/10/98

QC Batch Number: GC020698801024A
Instrument ID: GCHP24_2

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon Tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	1.0	N.D.
2-Chloroethylvinyl ether	1.0	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	**0.50**	**20**
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	70	130	120

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

Blaine Tech Services	Client Proj. ID: Shell San Leandro/980202-A2	Sampled: 02/02/98
1680 Rogers Avenue	Sample Descript: MW-1	Received: 02/03/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 02/06/98
Attention: Fran Thie	Lab Number: 9802084-01	Reported: 02/10/98

QC Batch Number: GC020698BTEX21A
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**	**84**
Methyl t-Butyl Ether	**2.5**	**2.5**
Benzene	**0.50**	**5.1**
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	**0.50**	**2.1**
Chromatogram Pattern:		**C6-C12**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	80

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

Blaine Tech Services	Client Proj. ID: Shell San Leandro/980202-A2	Sampled: 02/02/98
1680 Rogers Avenue	Sample Descript: MW-2	Received: 02/03/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: EPA 8010	Analyzed: 02/06/98
Attention: Fran Thie	Lab Number: 9802084-02	Reported: 02/10/98

QC Batch Number: GC020698801024A
Instrument ID: GCHP24_2

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon Tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	1.0	N.D.
2-Chloroethylvinyl ether	1.0	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	70	130	111

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

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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/980202-A2	Sampled: 02/02/98
1680 Rogers Avenue	Sample Descript: MW-2	Received: 02/03/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 02/06/98
Attention: Fran Thle	Lab Number: 9802084-02	Reported: 02/10/98

QC Batch Number: GC020698BTEX21A
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**	**9.3**
Benzene	**0.50**	**0.60**
Toluene	**0.50**	**1.9**
Ethyl Benzene	**0.50**	**0.93**
Xylenes (Total)	**0.50**	**6.0**
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	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 San Leandro/980202-A2	Sampled: 02/02/98
1680 Rogers Avenue	Sample Descript: MW-3	Received: 02/03/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: EPA 8010	Analyzed: 02/06/98
Attention: Fran Thie	Lab Number: 9802084-03	Reported: 02/10/98

QC Batch Number: GC020698801024A
Instrument ID: GCHP24_2

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon Tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	1.0	N.D.
2-Chloroethylvinyl ether	1.0	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	**0.50**	**0.85**
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	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

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Blaine Tech Services	Client Proj. ID: Shell San Leandro/980202-A2	Sampled: 02/02/98
1680 Rogers Avenue	Sample Descript: MW-3	Received: 02/03/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 02/06/98
Attention: Fran Thie	Lab Number: 9802084-03	Reported: 02/10/98

QC Batch Number: GC020698BTEX21A
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**	**400**
Methyl t-Butyl Ether	**2.5**	**9.0**
Benzene	**0.50**	**9.3**
Toluene	**0.50**	**0.68**
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		**C6-C12**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	110

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 San Leandro/980202-A2	Sampled: 02/02/98
1680 Rogers Avenue	Sample Descript: MW-4	Received: 02/03/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: EPA 8010	Analyzed: 02/06/98
Attention: Fran Thie	Lab Number: 9802084-04	Reported: 02/10/98

QC Batch Number: GC0206988801009A
Instrument ID: GCHP09

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon Tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	1.0	N.D.
2-Chloroethylvinyl ether	1.0	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	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

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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/980202-A2	Sampled: 02/02/98
1680 Rogers Avenue	Sample Descript: MW-4	Received: 02/03/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 02/06/98
Attention: Fran Thie	Lab Number: 9802084-04	Reported: 02/10/98

QC Batch Number: GC020698BTEX21A
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	86

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
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Blaine Tech Services	Client Proj. ID: Shell San Leandro/980202-A2	Sampled: 02/02/98
1680 Rogers Avenue	Sample Descript: Dup	Received: 02/03/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: EPA 8010	Analyzed: 02/06/98
Attention: Fran Thie	Lab Number: 9802084-05	Reported: 02/10/98

QC Batch Number: GC020698801009A
Instrument ID: GCHP09

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon Tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	1.0	N.D.
2-Chloroethylvinyl ether	1.0	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	70	130	99

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
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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/980202-A2	Sampled: 02/02/98
1680 Rogers Avenue	Sample Descript: Dup	Received: 02/03/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 02/06/98
Attention: Fran Thie	Lab Number: 9802084-05	Reported: 02/10/98

QC Batch Number: GC020698BTEX21A
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**	**56**
Methyl t-Butyl Ether	**2.5**	**13**
Benzene	**0.50**	**1.0**
Toluene	**0.50**	**2.8**
Ethyl Benzene	**0.50**	**1.4**
Xylenes (Total)	**0.50**	**9.3**
Chromatogram Pattern:		**C6-C12**

Surrogates	**Control Limits %**		**% Recovery**
Trifluorotoluene	70	130	80

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 San Leandro/980202-A2	Sampled: 02/02/98
1680 Rogers Avenue	Sample Descript: EB	Received: 02/03/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 02/06/98
Attention: Fran Thie	Lab Number: 9802084-06	Reported: 02/10/98

QC Batch Number: GC020698BTEX21A
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	79

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

Client Project ID: Shell San Leandro / 980202-A2
Matrix: Liquid
Work Order #: 9802084 -01-06
Reported: Feb 13, 1998

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Gas
QC Batch#:	GC020698BTEX21A	GC020698BTEX21A	GC020698BTEX21A	GC020698BTEX21A	GC020698BTEX21A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015M
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	A. Miraftab	A. Miraftab	A. Miraftab	A. Miraftab	A. Miraftab
MS/MSD #:	9801D0802	9801D0802	9801D0802	9801D0802	9801D0802
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	2/6/98	2/6/98	2/6/98	2/6/98	2/6/98
Analyzed Date:	2/6/98	2/6/98	2/6/98	2/6/98	2/6/98
Instrument I.D.#:	GCHP21	GCHP21	GCHP21	GCHP21	GCHP21
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
Result:	10	10	10	29	57
MS % Recovery:	100	100	100	97	95
Dup. Result:	11	10	10	31	67
MSD % Recov.:	110	100	100	103	112
RPD:	9.5	0.0	0.0	6.7	16
RPD Limit:	0-25	0-25	0-25	0-25	0-25

LCS #:	BLK020698	BLK020698	BLK020698	BLK020698	BLK020698
Prepared Date:	2/6/98	2/6/98	2/6/98	2/6/98	2/6/98
Analyzed Date:	2/6/98	2/6/98	2/6/98	2/6/98	2/6/98
Instrument I.D.#:	GCHP21	GCHP21	GCHP21	GCHP21	GCHP21
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
LCS Result:	10	9.9	9.9	29	56
LCS % Recov.:	100	99	99	97	93

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
Project Manager

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

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

Sequoia Analytical

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Blaine Tech Services, Inc.	Client Project ID:	Shell San Leandro / 980202-A2	
1680 Rogers Ave.	Matrix:	Liquid	
San Jose, CA 95112			
Attention: Fran Thie	Work Order #:	9802084-01-03	Reported: Feb 13, 1998

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-Benzene
QC Batch#:	GC020698801024A	GC020698801024A	GC020698801024A
Analy. Method:	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030
Analyst:	E. Cunanan	E. Cunanan	E. Cunanan
MS/MSD #:	980217501	980217501	980217501
Sample Conc.:	N.D.	N.D.	N.D.
Prepared Date:	2/5/98	2/5/98	2/5/98
Analyzed Date:	2/5/98	2/5/98	2/5/98
Instrument I.D.#:	GCHP24	GCHP24	GCHP24
Conc. Spiked:	25 µg/L	25 µg/L	25 µg/L
Result:	26	23	22
MS % Recovery:	104	92	88
Dup. Result:	27	24	24
MSD % Recov.:	108	96	96
RPD:	3.8	4.3	8.7
RPD Limit:	0-25	0-25	0-25
LCS #:	BLK020698	BLK020698	BLK020698
Prepared Date:	2/6/98	2/6/98	2/6/98
Analyzed Date:	2/6/98	2/6/98	2/6/98
Instrument I.D.#:	GCHP24	GCHP24	GCHP24
Conc. Spiked:	25 µg/L	25 µg/L	25 µg/L
LCS Result:	29	27	25
LCS % Recov.:	116	108	100
MS/MSD Control Limits	60-140	60-140	60-140
LCS Control Limits	65-135	70-130	70-130

SEQUOIA ANALYTICAL

Reggy Penner
Project Manager

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

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

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Blaine Tech Services, Inc.	Client Project ID:	Shell San Leandro / 980202-A2	
1680 Rogers Ave.	Matrix:	Liquid	
San Jose, CA 95112			
Attention: Fran Thie	Work Order #:	9802084-04, 05	Reported: Feb 13, 1998

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-Benzene
QC Batch#:	GC020698801009A	GC020698801009A	GC020698801009A
Analy. Method:	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030
Analyst:	M. McLachlan	M. McLachlan	M. McLachlan
MS/MSD #:	9801H8601	9801H8601	9801H8601
Sample Conc.:	24	110	N.D.
Prepared Date:	2/5/98	2/5/98	2/5/98
Analyzed Date:	2/6/98	2/6/98	2/6/98
Instrument I.D.#:	GCHP9	GCHP9	GCHP9
Conc. Spiked:	25 µg/L	25 µg/L	25 µg/L
Dilution Factor:	5	5	5
Result:	150	180	120
MS % Recovery:	101	56	96
Dup. Result:	140	180	110
MSD % Recov.:	93	56	88
RPD:	6.9	0.0	8.7
RPD Limit:	0-25	0-25	0-25
LCS #:	BLK020698	BLK020698	BLK020698
Prepared Date:	2/6/98	2/6/98	2/6/98
Analyzed Date:	2/6/98	2/6/98	2/6/98
Instrument I.D.#:	GCHP9	GCHP9	GCHP9
Conc. Spiked:	25 µg/L	25 µg/L	25 µg/L
LCS Result:	26	24	25
LCS % Recov.:	104	96	100
MS/MSD	60-140	60-140	60-140
LCS	65-135	70-130	70-130
Control Limits			

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.

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

Sequoia Analytical

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Blaine Tech Services
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Client Proj. ID: Shell San Leandro/980202-A2

Lab Proj. ID: 9802084

Received: 02/03/98

Reported: 02/10/98

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 16 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