CAMBRIA

ENVIRONMENTAL
PROTECTION
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June 25, 1998

Scott Seery
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: **Second Quarter 1998 Monitoring Report**
Shell Service Station
5251 Hopyard Road
Pleasanton, California
WIC# 204-6138-0907
Cambria Project# 24-314-298

Dear Mr. Seery:

On behalf of Shell Oil Products Company (Shell), Cambria Environmental Technology, Inc. (Cambria) is submitting this ground water monitoring report in accordance with the reporting requirements of 23 CCR 2652d.

SECOND QUARTER 1998 ACTIVITIES

Blaine Tech Services, Inc. (Blaine) of San Jose, California gauged and sampled the site wells. Cambria compiled the ground water elevation and analytical data (Table 1) and prepared a ground water contour map (Figure 1). The Blaine report, describing these activities and presenting the laboratory report, is included as Attachment A.

ANTICIPATED FUTURE ACTIVITIES

The next ground water monitoring event is scheduled for second quarter 1999. At that time, Blaine will gauge and sample the site wells, and Cambria will tabulate the data and prepare a monitoring report.

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

CLOSING

We appreciate the opportunity to work with you on this project. Please call Christina Empedocles at (510) 420-3324 if you have any questions or comments.

Sincerely,
Cambria Environmental Technology, Inc.

Aubrey K Cool FOR:
Christina Empedocles
Staff Geologist

Diane M. Lundquist, P.E.
Principal Engineer

Attachment : A - Blaine Ground Water Monitoring Report

cc: A. E. (Alex) Perez, Shell Oil Products Company, P.O. Box 8080, Martinez, California 94553
Steven Hill, Regional Water Quality Control Board - San Francisco Bay Region, 2101 Webster Street, Suite 500, Oakland, California 94612
Ted Klenk, Pleasanton Fire Department, 4444 Railroad Street, Pleasanton, California 94566

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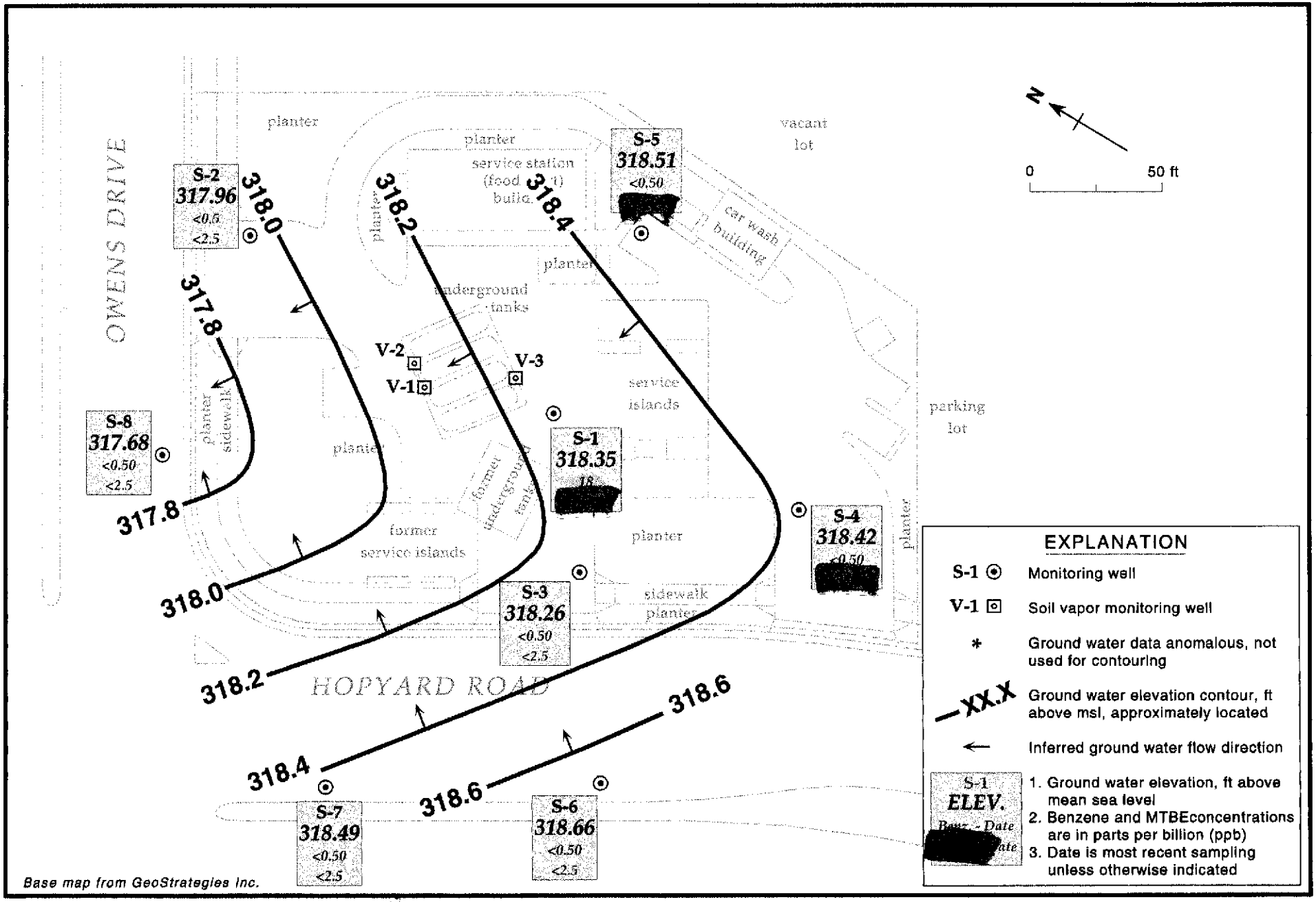

Figure 1. Ground Water Elevation Contou[redacted]hell Service Station WIC# 204-6138-0907, 5251 Hopyard Road, Pleasanton, California

Table 1. Ground Water Elevations and Analytical Results - Shell Service Station WIC #204-6138-0907, 5251 Hopyard Road, Pleasanton, California

Well ID	Sampling Date	Top-of-Box (ft msl)	Depth to Water (ft)	G W Elevation (ft msl)	TPH-G	TPH-D	B	T	E	X	MTBE	DO (mg/L)
					←			(Concentrations in µg/L)			→	
S-1	01/25/91	326.73	---	---	2,500	1,500	460	<25	130	36	---	---
	04/06/91		---	---	6,700	2,600[a]	2,600	14	580	250	---	---
	07/24/91		---	---	8,800	3,800[a]	2,300	30	640	220	---	---
	10/18/91		8.85	317.88	12,000	3,300[a]	3,600	380	990	580	---	---
	01/23/92		---	---	1,600	890	450	3.0	120	17	---	---
	04/27/92		---	---	1,100[g]	500[a]	610	<10	110	10	---	---
	07/21/92		---	---	5,100	290[c]	1,900	54	460	140	---	---
	10/16/92		---	---	13,000	390[c]	3,200	310	780	360	---	---
	01/23/93		7.96	318.77	2,300	30[d]	640	<5	110	13	---	---
	04/28/93		9.07	317.66	4,600	390	780	<0.5	250	<0.5	---	---
	09/22/93		8.68	318.05	3,000	610[a]	660	28	160	17	---	---
	12/08/93		8.23	318.50	520	280	210	<2.5	49	<2.5	---	---
	03/04/94		8.81	317.92	640	---	190	1.4	18	1.3	---	---
	03/04/94[dup]		8.81	317.92	640	---	180	1.7	17	1.3	---	---
	06/16/94		8.80	317.93	2,500	---	390	9.5	31	7.5	---	---
	06/16/94[dup]		8.80	317.93	2,000	---	410	7.8	120	20	---	---
	09/13/94		8.62	318.11	1,400	---	310	7.7	29	8.5	---	---
	09/13/94[dup]		8.62	318.11	1,400	---	240	7.9	44	6.3	---	---
	05/05/95		11.54	315.19	800	---	120	3.6	26	2.7	---	---
	05/05/95[dup]		11.54	315.19	710	---	110	3.4	19	2.7	---	---
	05/21/96		8.88	317.85	1,500	---	170	8.5	120	6.7	---	---
	05/12/97		11.19	315.54	4,700	---	200	15	210	20	2,300	2.4
	05/12/97[dup]		11.19	315.54	4,800	---	210	16	190	16	3,200(2,900)	2.4
	05/08/98		**8.38**	**318.35**	**500**	**---**	**18**	**2.1**	**2.3**	**2.0**	**1,000**	**2.1**
S-2	01/25/91	326.59	---	---	<50	<50	<0.5	<0.5	<0.5	<0.5	---	---
	04/16/91		---	---	<50	<50	<0.5	<0.5	<0.5	<0.5	---	---
	07/24/91		---	---	<50	<50	<0.5	<0.5	<0.5	<0.5	---	---

Table 1. **Ground Water Elevations and Analytical Results** - Shell Service Station WIC #204-6138-0907, 5251 Hopyard Road, Pleasanton, California (continued)

Well ID	Sampling Date	Top-of-Box (ft msl)	Depth to Water (ft)	G W Elevation (ft msl)	TPH-G	TPH-D	B	T	E	X	MTBE	DO (mg/L)
					←			(Concentrations in µg/L)			→	
	10/18/91		8.83	317.76	<50	<50	<0.5	<0.5	<0.5	<0.5	---	---
	01/23/92		---	---	<50	<50	<0.5	<0.5	<0.5	<0.5	---	---
	04/27/92		---	---	<50	<50	<0.5	<0.5	<0.5	<0.5	---	---
	07/17/92		---	---	<50	<50	<0.5	<0.5	<0.5	<0.5	---	---
	10/16/92		---	---	<50	<50	<0.5	<0.5	<0.5	<0.5	---	---
	01/23/93		8.10	318.49	<50	140[b]	<0.5	<0.5	<0.5	<0.5	---	---
	04/28/93		9.06	317.53	<50	<50	<0.5	<0.5	<0.5	<0.5	---	---
	09/22/93		8.91	317.68	---	---	---	---	---	---	---	---
	12/08/93		9.07	317.52	---	---	---	---	---	---	---	---
	03/04/94		8.90	317.69	---	---	---	---	---	---	---	---
	06/16/94		8.98	317.61	---	---	---	---	---	---	---	---
	09/13/94		8.78	317.81	<50	---	<0.5	2.5	<0.5	<0.5	---	---
	05/05/95		8.60	317.99	<50	---	<0.5	<0.5	<0.5	<0.5	---	---
	05/21/96		8.75	317.84	<50	---	<0.5	<0.5	<0.5	<0.5	---	---
	05/12/97		8.72	317.87	<50	---	<0.5	<0.5	<0.5	<0.5	<2.5	3.4
	05/08/98		**8.63**	**317.96**	**<50**	**---**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<2.5**	**3.1**
S-3	01/25/91	327.38	---	---	870	330	230	<2.5	130	<2.5	---	---
	04/16/91		---	---	190	140[a]	12	0.8	6.2	1.5	---	---
	07/24/91		---	---	1,700	1,200[a]	450	4.4	150	2.9	---	---
	10/18/91		9.64	317.74	1,900	500	370	3.1	120	220	---	---
	01/23/92		---	---	2,000	650[a]	580	3.0	200	<0.5	---	---
	04/27/92		---	---	1,100	230[a]	150	<3	76	14	---	---
	07/17/92		---	---	810	58	200	<2.5	57	3.8	---	---
	10/16/92		---	---	440	190[c]	79	1.8	18	4.6	---	---
	01/23/93		8.81	318.57	670	170[d]	79	1.5	46	15	---	---
	04/28/93		9.87	317.51	2,000	<50	300	3.4	210	38	---	---
	09/22/93		9.65	317.73	4,800	670[a]	2,000	34	150	51	---	---
	12/08/93		9.26	318.12	1,200	11	440	<5.0	120	29	---	---

Table 1. **Ground Water Elevations and Analytical Results** - Shell Service Station WIC #204-6138-0907, 5251 Hopyard Road, Pleasanton, California (continued)

Well ID	Sampling Date	Top-of-Box (ft msl)	Depth to Water (ft)	G W Elevation (ft msl)	TPH-G	TPH-D	B	T	E	X	MTBE	DO
					← (Concentrations in µg/L) →							(mg/L)
	03/04/94		9.64	317.74	630	---	130	<0.5	17	0.80	---	---
	06/16/94		9.78	317.60	1,800	---	430	19	35	21	---	---
	05/05/95		9.38	318.00	160	---	50	0.9	7.2	4.1	---	---
	05/21/96		9.41	317.97	270	---	45	<0.5	1.4	<0.5	---	---
	05/21/96[dup]		9.41	317.97	210	---	<0.5	<0.5	.95	<0.5	---	---
	05/12/97		9.30	318.08	420	---	<1.0	<1.0	<1.0	<1.0	57	2.5
	05/08/98		**9.12**	**318.26**	**<50**	**---**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<2.5**	**2.2**
S-4	01/25/91	327.38	---	---	<50	<50	<0.5	1.5	<0.5	2.8	---	---
	04/16/91		---	---	<50	0.7	<0.5	<0.5	<0.5	<0.5	---	---
	07/24/91		---	---	<50	<50	<0.5	<0.5	<0.5	<0.5	---	---
	10/18/91		8.82	318.56	<50	<50	<0.5	<0.5	<0.5	<0.5	---	---
	01/23/92		---	---	<50	<50	<0.5	<0.5	<0.5	<0.5	---	---
	04/27/92		---	---	<50	<50	<0.5	<0.5	<0.5	<0.5	---	---
	07/17/92		---	---	<500	74	<0.5	<0.5	<0.5	<0.5	---	---
	10/16/92		---	---	<500	<50	<0.5	<0.5	<0.5	<0.5	---	---
	01/23/93		8.32	319.06	<500	94[b]	<0.5	<0.5	<0.5	<0.5	---	---
	04/28/93		9.76	317.62	<50	<50	<0.5	<0.5	<0.5	<0.5	---	---
	09/22/93		9.30	318.08	---	---	---	---	---	---	---	---
	12/08/93		9.74	317.64	---	---	---	---	---	---	---	---
	03/04/94		9.60	317.78	---	---	---	---	---	---	---	---
	06/16/94		9.42	317.96	---	---	---	---	---	---	---	---
	05/05/95		9.02	318.36	<50	---	<0.5	<0.5	<0.5	<0.5	---	---
	05/21/96		9.29	318.09	<50	---	<0.5	<0.5	<0.5	<0.5	---	---
	05/12/97		7.95	319.43	<50	---	<0.50	<0.50	<0.50	<0.50	140	2.5
	05/08/98		**8.96**	**318.42**	**<50**	**---**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**250**	**2.0**
S-5	01/25/91	327.76	---	---	<50	<50	<0.5	<0.5	<0.5	0.7	---	---
	04/16/91		---	---	<50	<50	<0.5	<0.5	<0.5	0.8	---	---

Table 1. **Ground Water Elevations and Analytical Results** - Shell Service Station WIC #204-6138-0907, 5251 Hopyard Road, Pleasanton, California (continued)

Well ID	Sampling Date	Top-of-Box (ft msl)	Depth to Water (ft)	G W Elevation (ft msl)	TPH-G	TPH-D	B	T	E	X	MTBE	DO
					← (Concentrations in µg/L) →							(mg/L)
	07/24/91		---	---	<50	<50	<0.5	<0.5	<0.5	<0.5	---	---
	10/18/91		10.00	317.76	120[e]	<50	4.3	<0.5	1.0	0.7	---	---
	01/23/92		---	---	<50	<50	<0.5	<0.5	<0.5	<0.5	---	---
	04/27/92		---	---	50	<50	<0.5	<0.5	<0.5	0.6	---	---
	07/17/92		---	---	<50	70	<0.5	<0.5	<0.5	<0.5	---	---
	10/16/92		---	---	230	57	13	<0.5	4.9	4.3	---	---
	01/23/93		8.88	318.88	<50	150[b]	<0.5	<0.5	<0.5	<0.5	---	---
	04/28/93		10.20	317.56	<50	<50	<0.5	<0.5	<0.5	<0.5	---	---
	09/22/93		9.92	317.84	<50	<50	<0.5	<0.5	<0.5	<0.5	---	---
	12/08/93		10.19	317.57	<50	<50	<0.5	<0.5	<0.5	<0.5	---	---
	03/04/94		9.95	317.81	<50	---	<0.5	<0.5	<0.5	<0.5	---	---
	06/16/94		10.02	317.74	<50	---	0.9	<0.5	<0.5	<0.5	---	---
	05/05/95		9.58	318.18	<50	---	<0.5	<0.5	<0.5	<0.5	---	---
	05/21/96		9.84	317.92	<50	---	<0.5	<0.5	<0.5	<0.5	---	---
	05/12/97		9.16	318.60	360	---	3.3	<0.50	17	9.8	130	4.2
	05/08/98		**9.25**	**318.51**	**<50**	**---**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**92**	**3.8**
	05/08/98[dup]		**9.25**	**318.51**	**<50**	**---**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**100**	**3.8**
S-6	01/25/91	326.56	---	---	<50	<50	<0.5	1.7	<0.5	2.8	---	---
	04/16/91		---	---	<50	<50	<0.5	<0.5	<0.5	0.6	---	---
	07/24/91		---	---	<50	<50	<0.5	<0.5	<0.5	0.5	---	---
	10/18/91		8.84	317.22	<50	<50	<0.5	<0.5	<0.5	0.5	---	---
	01/23/92		---	---	<50	<50	<0.5	<0.5	<0.5	0.5	---	---
	04/27/92		---	---	<50	<50	<0.5	<0.5	<0.5	<0.5	---	---
	07/17/92		---	---	400	130	<0.5	<0.5	<0.5	<0.5	---	---
	10/16/92		---	---	<50	<50	<0.5	<0.5	<0.5	<0.5	---	---
	01/23/93		7.82	318.74	<50	230[b]	<0.5	<0.5	<0.5	<0.5	---	---
	04/28/93		9.00	317.56	<50	<50	<0.5	<0.5	<0.5	<0.5	---	---
	09/22/93		8.61	317.96	<50	<50	<0.5	<0.5	<0.5	<0.5	---	---

Table 1. **Ground Water Elevations and Analytical Results** - Shell Service Station WIC #204-6138-0907, 5251 Hopyard Road, Pleasanton, California (continued)

Well ID	Sampling Date	Top-of-Box (ft msl)	Depth to Water (ft)	G W Elevation (ft msl)	TPH-G	TPH-D	B	T	E	X	MTBE	DO
					← (Concentrations in µg/L) →							(mg/L)
	12/08/93		10.02	316.54	<50	<50	<0.5	<0.5	<0.5	<0.5	---	---
	03/04/94		8.88	317.68	<50	---	<0.5	<0.5	<0.5	<0.5	---	---
	06/16/94		9.04	317.52	<50	---	<0.5	<0.5	<0.5	<0.5	---	---
	05/05/95		8.54	318.02	<50	---	<0.5	<0.5	<0.5	<0.5	---	---
	05/21/96		8.62	317.94	<50	---	<0.5	<0.5	<0.5	<0.5	---	---
	05/12/97		8.60	317.96	<50	---	<0.50	<0.50	<0.50	<0.50	<2.5	2.6
	05/08/98		**7.90**	**318.66**	**<50**	**---**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<2.5**	**2.2**
S-7	01/25/91	326.49	---	---	<50	<50	<0.5	<0.5	<0.5	<0.5	---	---
	04/16/91		---	---	<50	<50	<0.5	<0.5	<0.5	<0.5	---	---
	07/24/91		---	---	<50	<50	<0.5	<0.5	<0.5	<0.5	---	---
	10/18/91		8.92	317.57	<50	140[f]	<0.5	<0.5	<0.5	<0.5	---	---
	01/23/92		---	---	<50	140[f]	<0.5	<0.5	<0.5	<0.5	---	---
	04/27/92		---	---	<50	<50	<0.5	<0.5	<0.5	<0.5	---	---
	07/17/92		---	---	<50	<50	<0.5	1.8	0.6	4.1	---	---
	10/16/92		---	---	<50	<50	<0.5	<0.5	<0.5	<0.5	---	---
	01/23/93		8.06	318.43	<50	110[b]	<0.5	<0.5	<0.5	<0.5	---	---
	04/28/93		8.94	317.55	<50	<50	<0.5	<0.5	<0.5	<0.5	---	---
	09/22/93		8.57	317.92	---	---	---	---	---	---	---	---
	12/08/93		9.00	317.49	---	---	---	---	---	---	---	---
	03/04/94		8.96	317.53	---	---	---	---	---	---	---	---
	06/16/94		9.12	317.37	---	---	---	---	---	---	---	---
	05/05/95		8.58	317.91	<50	---	<0.5	<0.5	<0.5	<0.5	---	---
	05/21/96		8.64	317.85	<50	---	<0.5	<0.5	<0.5	<0.5	---	---
	05/12/97		8.74	317.75	<50	---	<0.50	<0.50	<0.50	<0.50	<2.5	2.3
	05/08/98		**8.00**	**318.49**	**<50**	**---**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<2.5**	**2.5**
S-8	01/25/91	325.32	---	---	<50	<50	<0.5	<0.5	<0.5	<0.5	---	---
	04/16/91		---	---	<50	<50	<0.5	<0.5	<0.5	<0.5	---	---

Table 1. **Ground Water Elevations and Analytical Results** - Shell Service Station WIC #204-6138-0907, 5251 Hopyard Road, Pleasanton, California (continued)

Well ID	Sampling Date	Top-of-Box (ft msl)	Depth to Water (ft)	G W Elevation (ft msl)	TPH-G	TPH-D	B	T	E	X	MTBE	DO
					← (Concentrations in µg/L) →							(mg/L)
	07/24/91		---	---	<50	<50	<0.5	<0.5	<0.5	<0.5	---	---
	10/18/91		7.62	317.70	<50	360[f]	<0.5	<0.5	<0.5	<0.5	---	---
	01/23/92		---	---	<50	90	<0.5	<0.5	<0.5	<0.5	---	---
	04/27/92		---	---	<50	<50	<0.5	<0.5	<0.5	<0.5	---	---
	07/17/92		---	---	53	<50	<0.5	1.0	<0.5	1.8	---	---
	10/16/92		---	---	<50	<50	<0.5	<0.5	<0.5	<0.5	---	---
	01/23/93		7.00	318.32	<50	<50	<0.5	<0.5	<0.5	<0.5	---	---
	04/28/93		7.77	317.55	<50	<50	<0.5	<0.5	<0.5	<0.5	---	---
	09/22/93		7.67	317.65	<50	160	<0.5	<0.5	<0.5	<0.5	---	---
	12/08/93		7.76	317.56	<50	210	<0.5	<0.5	<0.5	<0.5	---	---
	03/04/94		7.66	317.66	<50	---	<0.5	<0.5	<0.5	<0.5	---	---
	06/16/94		7.78	317.54	<50	---	<0.5	<0.5	<0.5	<0.5	---	---
	05/05/95		7.42	317.90	<50	---	<0.5	<0.5	<0.5	<0.5	---	---
	05/21/96		7.50	317.82	<50	---	<0.5	<0.5	<0.5	<0.5	---	---
	05/12/97		7.56	317.76	<50	---	<0.50	<0.50	<0.50	<0.50	<2.5	1.6
	05/08/98		**7.64**	**317.68**	**<50**	**---**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<2.5**	**2.0**
Trip Blank	03/04/94				<50	---	<0.5	<0.5	<0.5	<0.5	---	---
	06/16/94				<50	---	<0.5	<0.5	<0.5	<0.5	---	---
	05/05/95				<50	---	<0.5	<0.5	<0.5	<0.5	---	---
MCLs					NE	NE	1	150	700	1,750	NE	

Table 1. **Ground Water Elevations and Analytical Results** - Shell Service Station WIC #204-6138-0907, 5251 Hopyard Road, Pleasanton, California (continued)

Abbreviations:

ft msl = Feet above mean sea level
GW = Ground water
TPH-G = Total petroleum hydrocarbons as gasoline by modified EPA Method 8015
TPH-D = Total petroleum hydrocarbons as diesel by modified EPA Method 8015
B = Benzene by EPA Method 8020
T = Toluene by EPA Method 8020
E = Ethylbenzene by EPA Method 8020
X = Xylenes by EPA Method 8020
MTBE = Methyl tert-butyl ether by EPA Method 8020. Result in parentheses indicates MTBE by EPA Method 8260.
DO = Dissolved oxygen
NE = Not established
MCLs = California primary maximum contaminant levels for drinking water (22 CCR 64444)
dup = Duplicate sample
µg/L = Micrograms per liter
mg/L = Milligrams per liter

Notes:

a = Compounds detected as TPH-D appear to be the less volatile constituents of gasoline.
b = The concentration reported as TPH-D primarily due to the presence of a heavier petroleum product.
c = The concentration reported as TPH-D due to the presence of a lighter petroleum product.
d = Concentrations reported as diesel includes a heavier petroleum product.
e = Compounds detected within the chromatographic range of TPH-D but not characteristic of the standard gasoline pattern.
f = Compounds detected within the chromatographic range of TPH-D but not characteristic of the standard diesel pattern.
g = The chromatographic pattern of the purgeable hydrocarbons found in the sample is similar to the pattern of weathered gasoline.
<n = Not detected at detection limits of n µg/L
--- = Not analyzed

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

May 29, 1998

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

Attn: Alex Perez

Shell WIC #204-6138-0907
5251 Hopyard Road
Pleasanton, California

2nd Quarter 1998

Quarterly Groundwater Monitoring Report 980508-T-1

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

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

Yours truly,

Francis Thie

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

cc: Cambria Environmental
1144 65th St., Suite C
Oakland, CA 94608
Attn: Maureen Feineman

(Any professional evaluations or recommendations will be made by the consultant under separate cover.)

TABLE OF WELL GAUGING DATA

WELL I.D.	DATA COLLECTION DATE	MEASUREMENT REFERENCED TO	QUALITATIVE OBSERVATIONS (sheen)	DEPTH TO FIRST IMMISCIBLES LIQUID (FPZ) (feet)	THICKNESS OF IMMISCIBLES LIQUID ZONE (feet)	VOLUME OF IMMISCIBLES REMOVED (ml)	DEPTH TO WATER (feet)	DEPTH TO WELL BOTTOM (feet)
S-1	05/08/98	TOB	ODOR	NONE	--	--	8.38	29.90
S-2	05/08/98	TOB	--	NONE	--	--	8.63	24.55
S-3	05/08/98	TOB	--	NONE	--	--	9.12	24.75
S-4	05/08/98	TOB	--	NONE	--	--	8.96	24.50
S-5*	05/08/98	TOB	--	NONE	--	--	9.25	24.70
S-6	05/08/98	TOB	--	NONE	--	--	7.90	26.00
S-7	05/08/98	TOB	--	NONE	--	--	8.00	25.42
S-8	05/08/98	TOB	--	NONE	--	--	7.64	25.73

* Sample DUP was a duplicate sample taken from well S-5.

SHELL OIL PRODUCTS COMPANY *CHAIN OF CUSTODY RECORD*

9805709

WIC OR FACILITY ID: 204-6138-0907

Date: 05/08/98

Results to: (●) Consult ( ) Shell

Page 01 of 02

Site Address: 5251 Hopyard Rd, Pleasanton, CA
Consultant/Contact: Blaine Tech
Address: 1680 Rogers Ave, SJ, CA
Phone: (408)573-0555
Shell Engineer: [illegible]

Lab: SEQR - CA

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)

Waste Protocol Number:

Start Time (military): 07:00

Sampled By: M. TOLL

UST Agency:

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

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)
S-1	1	11:00		●	●		03	●													
S-2	2	09:50		●	●		03	●													
S-3	3	10:42		●	●		03	●													
S-4	4	10:05		●	●		03	●													
S-5	5	10:25		●	●		03	●													
S-6	6	08:40		●	●		03	●													

Comments:

LAB USE ONLY

Lab Tracking No.:

Sample Condition/Comments

Cooler Temperature:

Material Description

Relinquished By (signature):	Printed Name:	Date/Time:	Received By (signature):	Printed Name:	Date/Time:
[signature]	Mike Toll	Date: 5/11/98 Time: 7:30	[signature]	JOHN FRICK	Date: 5/11/98 Time: 7:30
[signature]	JOHN FRICK	Date: 5/11/98 Time:			Date: Time:
		Date: Time:	[signature]	DOWNS	Date: 5-11-98 Time: 1512

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

9805709

WIC OR FACILITY ID: 204-6138-0907

Date: 05/08/98

Results to: ◉ Consult. ○ Shell

Page: 02 of 02

Site Address: [illegible] Riverside, CA

Consultant/Contact: [illegible]

Address: [illegible]

Phone: [illegible]

Shell Engineer: [illegible]

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 (4451)
○ Soil Clas/Disp (4442) ◉ G.W. Monitor (4453)
○ Wtr Clas/Disp (4443) ○ Other
○ Soil/Air Rem/Sys (4452)

SAMPLE MATRIX (Select one only):
◉ Water ○ NAPL ○ Sludge ○ Soil
○ Soil ○ Vapor ○ Bedrock ○ Other

Name of Project Manager: [illegible]

Start Time (military): 07:00

Sampled By: M. TOLL

UST Agency: [illegible]

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)
S-7	9	09:10	○	●	●	○	03	●	○	○	○	○	○	○	○	○	○	○	○	○
S-8	8	09:29	○	●	●	○	03	●	○	○	○	○	○	○	○	○	○	○	○	○
EB	9	08:50	○	●	●	○	03	●	○	○	○	○	○	○	○	○	○	○	○	○
DUP	10	—:—	○	●	●	○	03	●	○	○	○	○	○	○	○	○	○	○	○	○
		::	○	○	○	○		○	○	○	○	○	○	○	○	○	○	○	○	○
		::	○	○	○	○		○	○	○	○	○	○	○	○	○	○	○	○	○

Comments:

LAB USE ONLY

Lab Tracking No.:

Sample Condition/Comments

Cooler Temperature: [illegible]

Material Description

Relinquished By (signature)	Printed Name	Date / Time	Received By (signature)	Printed Name	Date / Time
[signature]	MIKE TOLL	5/11/98 2:30	[signature]	JOHN FRICK	5/11/98 2:30
[signature]	JOHN FRICK	5/11/98			
			Jene Downs	DOWNS	5-11 15:16

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

SHELL CHAIN OF CUSTODY REVISED 12/97

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

Project: Shell 5251 Hopyard Rd.

Enclosed are the results from samples received at Sequoia Analytical on May 11, 1998. The requested analyses are listed below:

SAMPLE #	SAMPLE DESCRIPTION	DATE COLLECTED	TEST METHOD
9805709 -01	LIQUID, S-1	05/08/98	Purgeable TPH/BTEX/MTBE
9805709 -02	LIQUID, S-2	05/08/98	Purgeable TPH/BTEX/MTBE
9805709 -03	LIQUID, S-3	05/08/98	Purgeable TPH/BTEX/MTBE
9805709 -04	LIQUID, S-4	05/08/98	Purgeable TPH/BTEX/MTBE
9805709 -05	LIQUID, S-5	05/08/98	Purgeable TPH/BTEX/MTBE
9805709 -06	LIQUID, S-6	05/08/98	Purgeable TPH/BTEX/MTBE
9805709 -07	LIQUID, S-7	05/08/98	Purgeable TPH/BTEX/MTBE
9805709 -08	LIQUID, S-8	05/08/98	Purgeable TPH/BTEX/MTBE
9805709 -09	LIQUID, EB	05/08/98	Purgeable TPH/BTEX/MTBE
9805709 -10	LIQUID, DUP	05/08/98	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 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 5251 Hopyard Rd.	Sampled: 05/08/98
1680 Rogers Avenue	Sample Descript: S-1	Received: 05/11/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 05/20/98
Attention: Fran Thie	Lab Number: 9805709-01	Reported: 05/27/98

QC Batch Number: GC052098BTEX18A
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**50**	**500**
Methyl t-Butyl Ether	**250**	**1000**
Benzene	**0.50**	**18**
Toluene	**0.50**	**2.1**
Ethyl Benzene	**0.50**	**2.3**
Xylenes (Total)	**0.50**	**2.0**
Chromatogram Pattern:		**C6-C12**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	180 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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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services	Client Proj. ID: Shell 5251 Hopyard Rd.	Sampled: 05/08/98
1680 Rogers Avenue	Sample Descript: S-2	Received: 05/11/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 05/20/98
Attention: Fran Thie	Lab Number: 9805709-02	Reported: 05/27/98

QC Batch Number: GC052098BTEX18A
Instrument ID: GCHP18

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	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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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services	Client Proj. ID: Shell 5251 Hopyard Rd.	Sampled: 05/08/98
1680 Rogers Avenue	Sample Descript: S-3	Received: 05/11/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 05/21/98
Attention: Fran Thie	Lab Number: 9805709-03	Reported: 05/27/98

QC Batch Number: GC052198BTEX03A
nstrument ID: GCHP03

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	83

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

EQUOIA ANALYTICAL - ELAP #1210

eggy Penner
roject Manager

Sequoia Analytical

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Blaine Tech Services	Client Proj. ID: Shell 5251 Hopyard Rd.	Sampled: 05/08/98
1680 Rogers Avenue	Sample Descript: S-4	Received: 05/11/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 05/20/98
Attention: Fran Thie	Lab Number: 9805709-04	Reported: 05/27/98

QC Batch Number: GC052098BTEX18A
Instrument ID: GCHP18

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**	**250**
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

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Blaine Tech Services	Client Proj. ID: Shell 5251 Hopyard Rd.	Sampled: 05/08/98
1680 Rogers Avenue	Sample Descript: S-5	Received: 05/11/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 05/22/98
Attention: Fran Thie	Lab Number: 9805709-05	Reported: 05/27/98

QC Batch Number: GC052298BTEX21A
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**	**92**
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	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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Blaine Tech Services	Client Proj. ID: Shell 5251 Hopyard Rd.	Sampled: 05/08/98
1680 Rogers Avenue	Sample Descript: S-6	Received: 05/11/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 05/22/98
Attention: Fran Thie	Lab Number: 9805709-06	Reported: 05/27/98

QC Batch Number: GC052298BTEX02A
Instrument ID: GCHP02

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	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
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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 5251 Hopyard Rd.	Sampled: 05/08/98
1680 Rogers Avenue	Sample Descript: S-7	Received: 05/11/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 05/20/98
Attention: Fran Thie	Lab Number: 9805709-07	Reported: 05/27/98

)C Batch Number: GC052098BTEX06A
ıstrument ID: GCHP06

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

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

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	108

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

EQUOIA ANALYTICAL - ELAP #1210

eggy Penner
roject 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 5251 Hopyard Rd.	Sampled: 05/08/98
1680 Rogers Avenue	Sample Descript: S-8	Received: 05/11/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 05/20/98
Attention: Fran Thie	Lab Number: 9805709-08	Reported: 05/27/98

QC Batch Number: GC052098BTEX06A
Instrument ID: GCHP06

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

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

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

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 5251 Hopyard Rd.	Sampled: 05/08/98
1680 Rogers Avenue	Sample Descript: EB	Received: 05/11/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 05/22/98
Attention: Fran Thie	Lab Number: 9805709-09	Reported: 05/27/98

QC Batch Number: GC052298OVOA02A
Instrument ID: GCHP02

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	82

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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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services	Client Proj. ID: Shell 5251 Hopyard Rd.	Sampled: 05/08/98
1680 Rogers Avenue	Sample Descript: DUP	Received: 05/11/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 05/22/98
Attention: Fran Thie	Lab Number: 9805709-10	Reported: 05/27/98

QC Batch Number: GC052298BTEX17A
Instrument ID: GCHP17

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	**2.5**	**100**
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	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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Blaine Tech Services
1680 Rogers Ave.
San Jose, CA 95112
Attention: Fran Thie

Client Project ID: Shell 5251 Hopyard Rd.

QC Sample Group: 9805709-01-02, -04

Reported: May 27, 1998

QUALITY CONTROL DATA REPORT

Matrix:	Liquid
Method:	EPA 8015
Analyst:	R.GECKLER
ANALYTE	Gasoline

QC Batch #: GC052098BTEX18A

Sample No.:	9805C13-2
Date Prepared:	5/20/98
Date Analyzed:	5/20/98
Instrument I.D.#:	GCHP18
Sample Conc., ug/L:	N.D.
Conc. Spiked, ug/L:	250
Matrix Spike, ug/L:	190
% Recovery:	78
Matrix pike Duplicate, ug/L:	210
% Recovery:	84
elative % Difference:	7.4
RPD Control Limits:	0-25

LCS Batch#: GC052098BTEX18A

Date Prepared:	5/20/98
Date Analyzed:	5/20/98
Instrument I.D.#:	GCHP18
Conc. Spiked, ug/L:	250
LCS Recovery, ug/L:	200
LCS % Recovery:	80

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 Ave.
San Jose, CA 95112
Attention: Fran Thie

Client Project ID: Shell 5251 Hopyard Rd.

QC Sample Group: 9805709-03

Reported: May 27, 1998

QUALITY CONTROL DATA REPORT

Matrix: Liquid
Method: EPA 8020
Analyst: C. Demartini

ANALYTE	Benzene	Toluene	Ethylbenzene	Xylenes
QC Batch #:	GC052198BTEX03A			
Sample No.:	GW9805C13-3			
Date Prepared:	5/21/98	5/21/98	5/21/98	5/21/98
Date Analyzed:	5/21/98	5/21/98	5/21/98	5/21/98
Instrument I.D.#:	GCHP03	GCHP03	GCHP03	GCHP03
Sample Conc., ug/L:	N.D.	N.D.	N.D.	N.D.
Conc. Spiked, ug/L:	10	10	10	30
Matrix Spike, ug/L:	8.9	8.7	8.9	27
% Recovery:	89	87	89	90
Matrix pike Duplicate, ug/L:	8.7	8.6	8.8	26
% Recovery:	87	86	88	87
elative % Difference:	2.3	1.2	1.1	3.4
RPD Control Limits:	0-25	0-25	0-25	0-25

LCS Batch#:	GAWBLK052198A			
Date Prepared:	5/21/98	5/21/98	5/21/98	5/21/98
Date Analyzed:	5/21/98	5/21/98	5/21/98	5/21/98
Instrument I.D.#:	GCHP03	GCHP03	GCHP03	GCHP03
Conc. Spiked, ug/L:	10	10	10	30
LCS Recovery, ug/L:	8.7	8.7	8.8	26
LCS % Recovery:	87	87	88	87

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

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

Client Project ID: Shell 5251 Hopyard Rd.

QC Sample Group: 9805709-06

Reported: May 27, 1998

QUALITY CONTROL DATA REPORT

Matrix:	Liquid
Method:	EPA 8015
Analyst:	
ANALYTE	Gasoline

QC Batch #: GC052298BTEX02A

Sample No.:	GW9805610-6
Date Prepared:	5/22/98
Date Analyzed:	5/22/98
Instrument I.D.#:	GCHP02
Sample Conc., ug/L:	N.D.
Conc. Spiked, ug/L:	250
Matrix Spike, ug/L:	240
% Recovery:	96
Matrix pike Duplicate, ug/L:	230
% Recovery:	92
elative % Difference:	4.3
RPD Control Limits:	0-25

LCS Batch#: GAWBLK052298A

Date Prepared:	5/22/98
Date Analyzed:	5/22/98
Instrument I.D.#:	GCHP02
Conc. Spiked, ug/L:	250
LCS Recovery, ug/L:	250
LCS % Recovery:	100.0

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

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

Client Project ID: Shell 5251 Hopyard Rd.

QC Sample Group: 9805709-07-09

Reported: May 27, 1998

QUALITY CONTROL DATA REPORT

Matrix:	Liquid
Method:	EPA 8015
Analyst:	R. Geckler
ANALYTE	Gasoline

QC Batch #: GC052098BTEX06A

Sample No.:	9805C13-02
Date Prepared:	5/20/98
Date Analyzed:	5/20/98
Instrument I.D.#:	GCHP-06
Sample Conc., ug/L:	N.D.
Conc. Spiked, ug/L:	250
Matrix Spike, ug/L:	180
% Recovery:	72
Matrix pike Duplicate, ug/L:	200
% Recovery:	80
elative % Difference:	11
RPD Control Limits:	0-25

LCS Batch#: GC052098BTEX06A

Date Prepared:	5/20/98
Date Analyzed:	5/20/98
Instrument I.D.#:	GCHP-06
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

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

Client Project ID: Shell 5251 Hopyard Rd.

QC Sample Group: 9805709-10

Reported: May 27, 1998

QUALITY CONTROL DATA REPORT

Matrix:	Liquid
Method:	EPA 8015
Analyst:	
ANALYTE	Gasoline

QC Batch #: GC052298BTEX17A

Sample No.:	GW9805709-3
Date Prepared:	5/22/98
Date Analyzed:	5/22/98
Instrument I.D.#:	
Sample Conc., ug/L:	N.D.
Conc. Spiked, ug/L:	250
Matrix Spike, ug/L:	300
% Recovery:	120
Matrix pike Duplicate, ug/L:	310
% Recovery:	124
elative % Difference:	3.3
RPD Control Limits:	0-25

LCS Batch#: GAWBLK052298A

Date Prepared:	5/22/98
Date Analyzed:	5/22/98
Instrument I.D.#:	
Conc. Spiked, ug/L:	250
LCS Recovery, ug/L:	270
LCS % Recovery:	108

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

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

Client Project ID: Shell 5251 Hopyard Rd.

QC Sample Group: 9805709-05

Reported: May 27, 1998

QUALITY CONTROL DATA REPORT

Matrix:	Liquid
Method:	EPA 8015
Analyst:	
ANALYTE	Gasoline

QC Batch #: GC052298BTEX21A

Sample No.:	GW9805709-03
Date Prepared:	5/22/98
Date Analyzed:	5/22/98
Instrument I.D.#:	GCHP21
Sample Conc., ug/L:	N.D.
Conc. Spiked, ug/L:	250
Matrix Spike, ug/L:	260
% Recovery:	104
Matrix pike Duplicate, ug/L:	250
% Recovery:	100.0
elative % Difference:	3.9
RPD Control Limits:	0-25

LCS Batch#: GAWBLK052298A

Date Prepared:	5/22/98
Date Analyzed:	5/22/98
Instrument I.D.#:	GCHP21
Conc. Spiked, ug/L:	250
LCS Recovery, ug/L:	240
LCS % Recovery:	96

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

Reggy Penner
Project Manager

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Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112 Attention: Fran Thie	Client Proj. ID: Shell 5251 Hopyard Rd. Lab Proj. ID: 9805709	Received: 05/11/98 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 17 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager