



July 15, 1996

STD 3670

Susan Hugo
Alameda County Department of
Environmental Health
1131 Harbor Bay Parkway, Second Floor
Alameda, CA 94502-6577

Re: **Second Quarter 1996**
Shell Service Station
WIC #204-0079-0109
999 San Pablo Avenue
Albany, California
WA Job #81-0699-206

95 JUL 19 PM 3:30
ENVIRONMENTAL
PROTECTION

Dear Ms. Hugo:

This status report satisfies the quarterly reporting requirements prescribed by California Administrative Code Title 23 Waters, Division 3, Chapter 16, Article 5, Section 2652.d.

Activities This Quarter

- Blaine Tech Services, Inc. (BTS) of San Jose, California measured ground water depths and collected ground water samples from the site wells (Figures 1 and 2). BTS' report describing these activities and the analytical report for the ground water samples are included as Attachment A.
- Weiss Associates (WA) calculated ground water elevations (Table 1), compiled the analytic data (Table 2) and prepared a ground water elevation contour map (Figure 2).

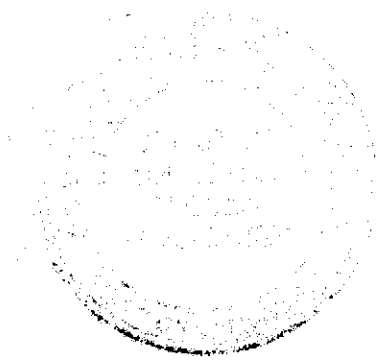
Susan Hugo
July 11, 1996

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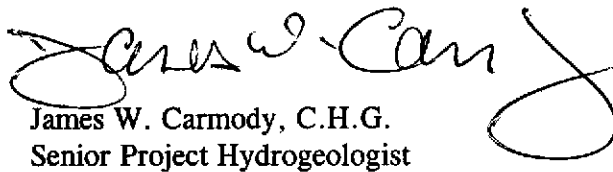
Anticipated Activities Next Quarter

WA will submit a report presenting a summary of activities for the upcoming quarter. Please call if you have any questions.

Sincerely,
Weiss Associates




Grady Glasser
Technical Assistant


James W. Carmody, C.H.G.
Senior Project Hydrogeologist

Attachment: A - Blaine Tech Services' Ground Water Monitoring Report

cc: R. Jeff Granberry, Shell Oil Products Company, P.O. Box 4023, Concord, California 94524

GSG/JWC:sjh
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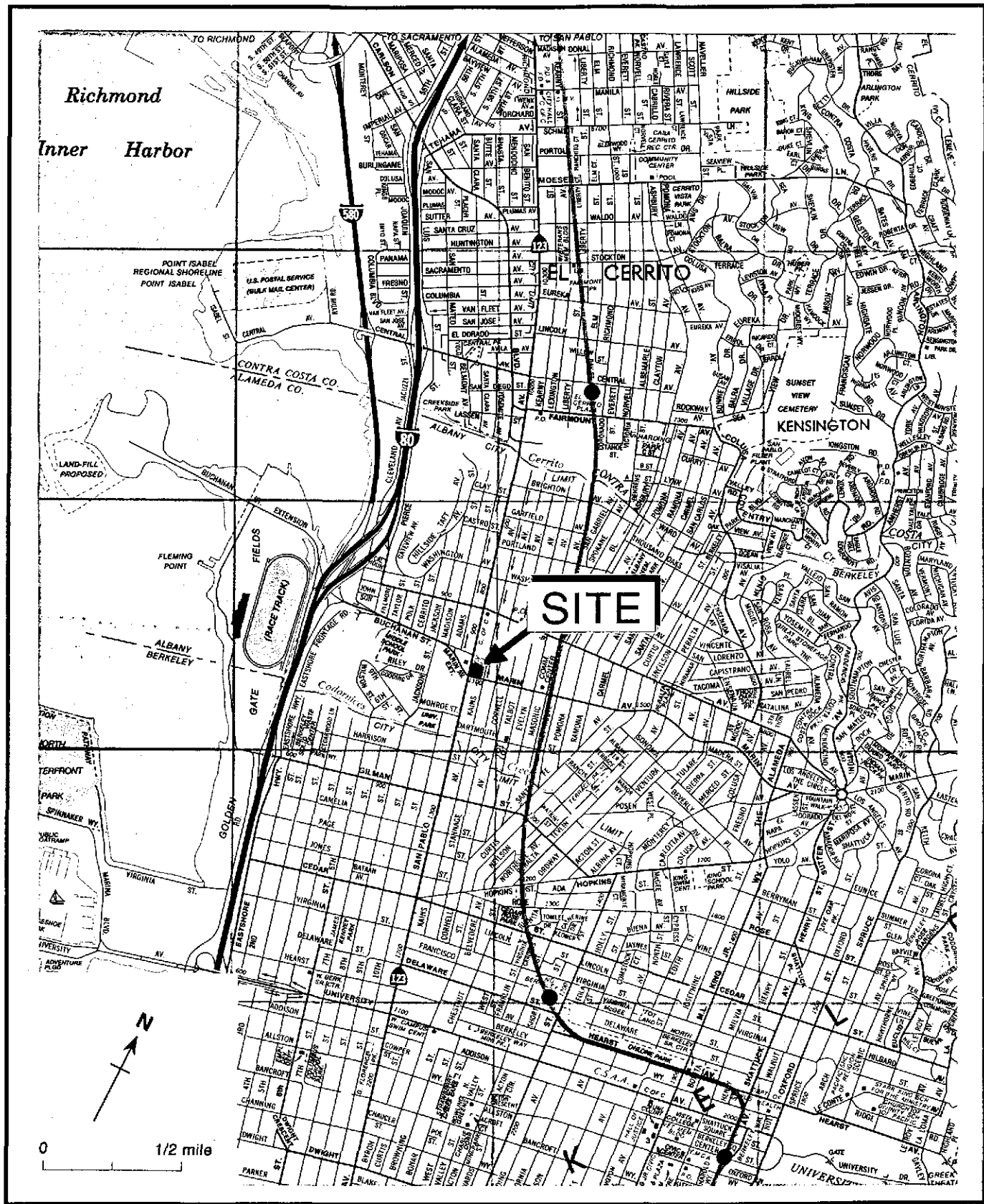
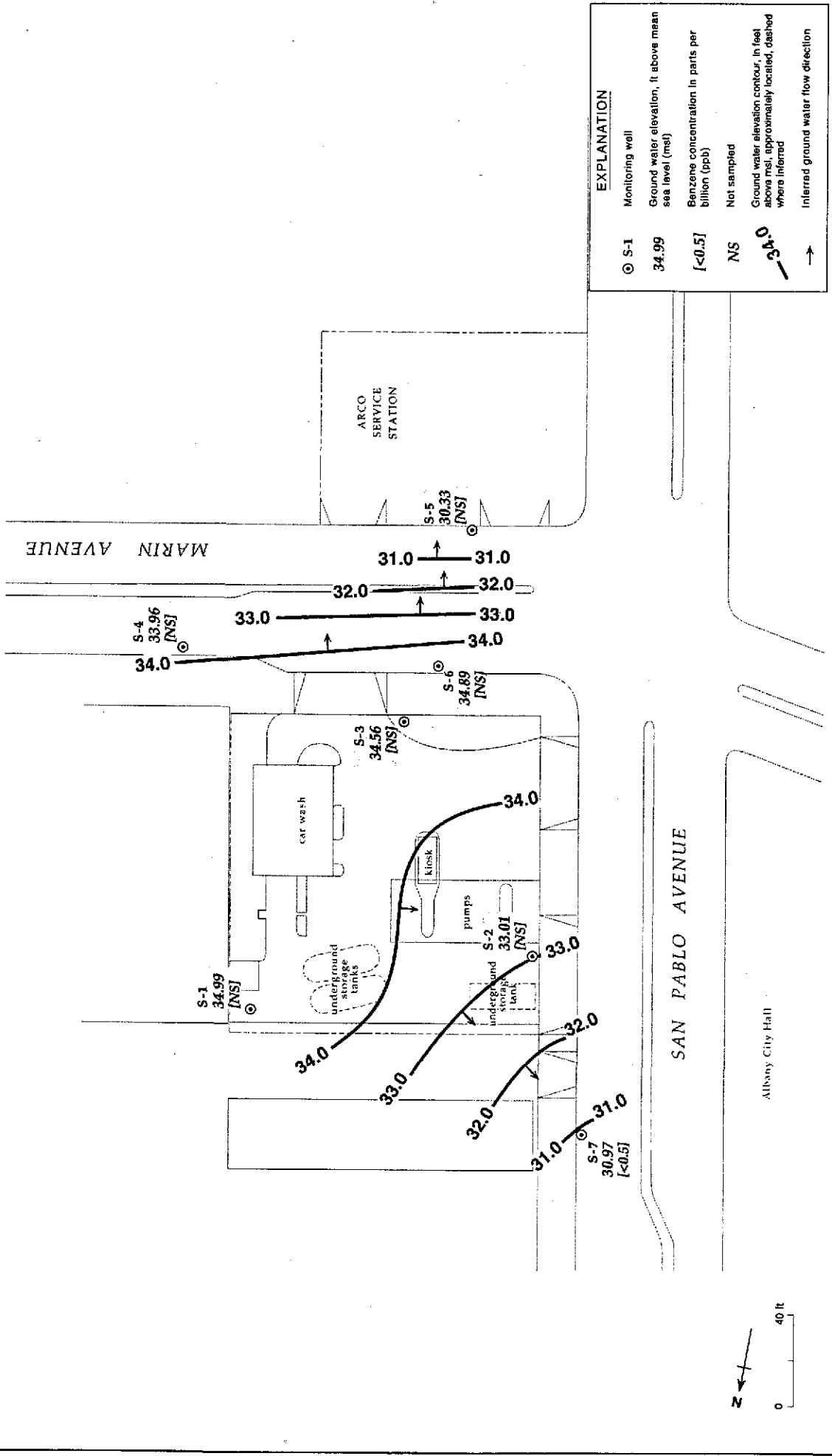


Figure 1. Site Location Map - Shell Service Station WIC #204-0079-0109, 999 San Pablo Avenue, Albany, California



Base map from GeoStrategies Inc.

Figure 2. Monitoring Well Locations, Ground Water Elevation Contours, and Benzene Concentrations in Ground Water - April 25, 1996 - Shell Service Station WJC #204-0079-0109, 999 San Pablo Avenue, Albany, California

Table 1. Ground Water Elevations - Shell Service Station WIC #204-0079-0109, 999 San Pablo Avenue, Albany, California (continued)

Well ID	Date	Top-of-Vault Elevation	Depth to Water (ft)	Separate-Phase Hydrocarbon Thickness (ft) ^a	Ground Water Elevation (ft above msl)
S-3	05/13/91	41.46	7.90	---	33.56
	08/23/91		8.14	---	33.32
	11/07/91		7.91	---	33.55
	01/28/92		7.53	---	33.93
	05/06/92		7.55	---	33.91
	08/26/92		7.53	---	33.93
	10/28/92		7.95	---	33.51
	01/19/93		6.12	---	35.34
	04/29/93		7.27	---	34.19
	07/22/93		7.62	---	33.84
	10/21/93		7.81	---	33.65
	01/04/94		7.49	---	33.97
	04/13/94		7.32	---	34.14
	07/25/94		7.66	---	33.80
	10/10/94		7.49	---	33.97
	01/26/95		6.50	---	34.96
	04/21/95		6.79	---	34.67
	07/28/95		7.28	---	34.18
	10/31/95		6.74	---	34.72
	01/10/96		7.48	---	33.98
	04/25/96		6.90	---	34.56
S-4	05/13/91	41.10	7.44	---	33.66
	08/23/91		8.32	---	32.78
	11/07/91		8.32	---	32.78
	01/28/92		7.40	---	33.70
	05/06/92		7.21	---	33.89
	08/26/92		8.13	---	32.97
	10/28/92		8.73	---	32.37
	01/19/93		5.86	---	35.24
	04/29/93		7.02	---	34.08
	07/22/93		7.76	---	33.34
	10/21/93		8.53	---	32.57
	01/04/94		7.92	---	33.18
	04/13/94		7.71	---	33.39
	07/25/94		7.82	---	33.28
	10/10/94		8.15	---	32.95
	01/26/95		5.73	---	35.37
	04/21/95		6.26	---	34.84
	07/28/95		7.80	---	33.30
	10/31/95		8.45	---	32.65
	01/10/96		8.26	---	32.84
	04/25/96		7.14	---	33.96

Table 1. Ground Water Elevations - Shell Service Station WIC #204-0079-0109, 999 San Pablo Avenue, Albany, California (continued)

Well ID	Date	Top-of-Vault Elevation	Depth to Water (ft)	Separate-Phase Hydrocarbon Thickness (ft) ^a	Ground Water Elevation (ft above msl)
S-5	05/13/91	39.99	14.60	6.48	30.57
	08/23/91		15.14	5.50	29.25
	11/07/91		15.10	5.35	29.17
	01/28/92		14.05	4.90	29.86
	05/06/92		14.31	5.66	30.21
	08/26/92		14.26	3.80	28.77
	10/28/92		14.22	3.81	28.82
	01/19/93		12.36	3.96	30.80
	04/29/93		9.64	0.90	31.07
	07/22/93		9.55	0.90	31.16
	10/21/93		11.23	0.73	29.34
	01/04/94		11.69	1.90	29.82
	04/13/94		11.42	1.62	29.87
	07/25/94		12.01	1.79	29.41
	10/10/94		12.05	1.8	29.38
	01/26/95		8.42	1.72	32.95
	04/21/95		10.03	1.17	30.90
	07/28/95		11.42	1.87	30.07
	10/31/95		13.21	0.54	27.21
	01/10/96		12.05	0.13	28.04
	04/25/96		9.68	0.03	30.33
S-6	05/13/91	40.12	7.82	---	32.30
	08/23/91		9.58	---	30.54
	11/07/91		10.86	---	29.26
	01/28/92		8.97	---	31.15
	05/06/92		8.27	---	31.85
	08/26/92		9.57	---	31.55
	10/28/92		8.90	---	32.22
	01/19/93		4.84	---	35.28
	04/29/93		5.61	---	34.51
	07/22/93		6.56	---	33.56
	10/21/93		8.73	---	31.39
	01/04/94		7.14	---	32.98
	04/13/94		7.21	---	32.91
	07/25/94		6.85	---	33.27
	10/10/94		6.20	---	33.92
	01/26/95		4.89	---	35.23
	04/21/95		5.61	---	34.51
	07/28/95		5.30	---	34.82
	10/31/95		4.98	---	35.14
	01/10/96		5.67	---	34.45
	04/25/96		5.23	---	34.89

Table 1. Ground Water Elevations - Shell Service Station WIC #204-0079-0109, 999 San Pablo Avenue, Albany, California (continued)

Well ID	Date	Top-of-Vault Elevation	Depth to Water (ft)	Separate-Phase Hydrocarbon Thickness (ft) ^a	Ground Water Elevation (ft above msl)
S-7	05/13/91	40.10	10.56	---	29.54
	08/23/91		11.16	---	28.94
	11/07/91		11.48	---	28.62
	01/28/92		10.72	---	29.38
	05/06/92		10.34	---	29.76
	08/26/92		11.13	---	28.97
	10/28/92		11.52	---	28.58
	01/19/93		8.68	---	31.42
	04/29/93		9.90	---	30.20
	07/22/93		---	---	---
	10/21/93		11.10	---	29.00
	01/04/94		10.40	---	29.70
	04/13/94		10.20	---	29.90
	07/25/94		10.48	---	29.62
	10/10/94		10.64	---	29.46
	01/26/95		7.75	---	32.35
	04/21/95		8.51	---	31.59
	07/28/95		10.20	---	29.90
	10/31/95		10.86	---	29.24
	01/10/96		10.33	---	29.77
04/25/96	9.13	---	30.97		

Notes:

- a = When separate-phase hydrocarbons are present, ground water elevation corrected by the relation: corrected ground water elevation = (top-of-box elevation) - (depth to water) + (0.8 x separate-phase hydrocarbon thickness)

Table 2. Analytic Results for Ground Water, Former Shell Service Station, WIC #204-0079-0109, 999 San Pablo Avenue, Albany, California

Well ID & Sampling Frequency	Date	Depth to Water (ft)	TPH-G ←	B ←	T parts per billion (µg/L)	E ←	X ←	DO (ppm)	HDM Units units/L	MTBE
S-1 (Bi-annually, 1st & 3rd Qtrs)	05/13/91	8.24	1,500	20	2.6	86	74	---	---	---
	08/23/91	8.37	2,900	27	<2.5	75	18	---	---	---
	11/07/91	8.30	2,900	8	2.5	46	26	---	---	---
	01/28/92	7.84	2,000	11	<2.5	60	20	---	---	---
	05/06/92	7.95	1,200	5.5	<2.5	80	36	---	---	---
	07/29/93	8.24	2,000	9.4	<2.5	130	<2.5	---	---	---
	10/28/92	8.52	1,300	27	3.2	72	13	---	---	---
	01/19/93	6.54	1,500	13	3	29	31	---	---	---
	04/29/93	7.93	2,000	15	<2.5	82	<65	---	---	---
	07/22/93	8.09	620	1.1	4.2	3.5	13	---	---	---
	10/21/93	9.43	1,200	34	25	15	9.5	---	---	---
	01/04/94	8.25	860	<2.5	<2.5	5.7	5.3	---	---	---
	07/25/94	8.22	1,200	8.3	7.4	15	20	---	---	---
	01/26/95	6.88	1,000	12	0.6	12	420	4.0	---	---
07/28/95	7.90	660	7.2	1.0	11	8.9	7.4	---	---	
01/10/96	8.24	1,100	3.5	7.0	5.1	9.4	---	---	---	
S-2 (Bi-annually, 1st & 3rd Qtrs)	05/13/91	8.50	23,000	3,900	230	1,100	3,200	---	---	---
	08/23/91	8.80	23,000	4,400	260	1,900	2,400	---	---	---
	11/07/91	8.61	40,000	4,000	160	1,020	3,400	---	---	---
	01/28/92	7.80	22,000	1,600	70	420	1,700	---	---	---
	05/06/92	8.10	20,000	2,600	110	860	1,900	---	---	---
	07/29/92	8.37	42,000	5,000	160	1,100	3,500	---	---	---
	10/28/92	8.64	34,000	4,800	330	1,600	2,900	---	---	---
	01/19/93	5.82	20,000	2,300	370	660	1,300	---	---	---
	04/29/93	7.70	40,000	2,000	67	900	1,900	---	---	---
	07/22/93	8.38	22,000	3,000	120	1,000	1,600	---	---	---
	07/22/93 ^{dup}	8.38	17,000	3,000	110	1,000	1,500	---	---	---
	10/21/93	8.58	14,000	2,800	74	870	1,100	---	---	---
	10/21/93 ^{dup}	8.58	13,000	3,200	53	960	820	---	---	---



Table 2. Analytic Results for Ground Water, Former Shell Service Station, WIC #204-0079-0109, 999 San Pablo Avenue, Albany, California (continued)

Well ID & Sampling Frequency	Date	Depth to Water (ft)	TPH-G ←	B ←	T ←	E ←	X ←	DO (ppm)	HDM Units units/L	MTBE
	01/04/94	7.70	21,000	2,100	67	990	770	---	---	---
	01/04/94 ^{dup}	7.70	22,000	2,000	64	910	750	---	---	---
	07/25/94	7.86	43,000	2,600	490	990	1,300	---	---	---
	01/26/95	6.38	21,000	790	12	290	570	5.5	10 ⁴ to 10 ⁵ ab	---
	07/28/95	7.82	14,000	2,400	360	960	370	4.0	---	---
	01/10/96	8.13	17,000	1,400	<50	480	170	7.2	---	---
S-3	05/13/91	7.90	3,300	30	3.6	26	13	---	---	---
(Bi-annually, 1st & 3rd Qtrs)	08/23/91	8.14	2,000	25	4	9.3	4.5	---	---	---
	11/07/91	7.91	4,000	20	3.9	5	4.9	---	---	---
	01/28/92	7.53	2,100	21	7.6	6.7	15	---	---	---
	01/28/92 ^{dup}	7.53	2,100	18	6.1	7.1	14	---	---	---
	05/06/92	7.55	6,600	38	51	45	65	---	---	---
	07/29/92	7.53	5,800	18	12	29	60	---	---	---
	10/28/92	7.95	3,000	55	11	16	32	---	---	---
	01/19/93	6.12	3,100	<5	5.1	11	16	---	---	---
	04/29/93	7.27	3,000	31	22	<5	14	---	---	---
	07/22/93	7.62	2,600	3.1	43	23	53	---	---	---
	10/21/93	7.81	2,500	73	14	16	32	---	---	---
	01/04/94	7.49	4,800	13	21	<12.5	33	---	---	---
	07/25/94	7.66	2,600	6.1	4.0	3.8	12	---	---	---
	01/26/95	6.50	3,600	30	6.8	5.6	19	---	---	---
	01/26/95 ^{dup}	6.50	2,200	9.9	15	14	22	---	---	---
	07/28/95	7.28	3,700	27	9.3	20	34	4.0	---	---
	01/10/96	7.48	4,000	10	<0.5	13	28	6.1	---	---
S-4	05/13/91	7.44	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
(Annually 1st Qtr)	08/23/91	8.32	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	11/07/91	8.32	260	<0.5	<0.5	<0.5	<0.5	---	---	---

Table 2. Analytic Results for Ground Water, Former Shell Service Station, WIC #204-0079-0109, 999 San Pablo Avenue, Albany, California (continued)

Well ID & Sampling Frequency	Date	Depth to Water (ft)	TPH-G ←	B ←	T ←	E ←	X ←	DO (ppm)	HDM Units units/L	MTBE
	01/28/92	7.40	110 ^o	<0.5	<0.5	<0.5	<0.5	---	---	---
	05/06/92	7.21	54	<0.5	<0.5	<0.5	<0.5	---	---	---
	07/29/92	8.13	67	<0.5	<0.5	<0.5	<0.5	---	---	---
	10/28/92	8.73	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	01/19/93	5.86	86	1.2	0.7	2.7	15	---	---	---
	04/29/93	7.02	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	04/29/93 ^{dup}	7.02	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	07/22/93	7.76	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	10/21/93	8.53	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	01/04/94	7.92	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	01/26/95	5.73	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	07/28/95	7.80	---	---	---	---	---	---	---	---
	01/10/96	8.26	<50	1.0	2.8	<0.5	2.1	2.8	---	---
S-5 (Quarterly)	05/13/91 ^{SPH}	14.60	---	---	---	---	---	---	---	---
	08/23/91 ^{SPH}	15.14	---	---	---	---	---	---	---	---
	11/07/91 ^{SPH}	15.10	---	---	---	---	---	---	---	---
	01/28/92 ^{SPH}	14.05	---	---	---	---	---	---	---	---
	05/06/92 ^{SPH}	14.31	---	---	---	---	---	---	---	---
	07/29/92 ^{SPH}	14.26	---	---	---	---	---	---	---	---
	10/28/92 ^{SPH}	14.22	---	---	---	---	---	---	---	---
	01/19/93 ^{SPH}	12.36	---	---	---	---	---	---	---	---
	04/29/93 ^{SPH}	9.64	---	---	---	---	---	---	---	---
	07/22/93 ^{SPH}	9.55	---	---	---	---	---	---	---	---
	10/21/93 ^{SPH}	11.23	---	---	---	---	---	---	---	---
	01/04/94 ^{SPH}	11.69	---	---	---	---	---	---	---	---
	07/25/94 ^{SPH}	12.01	---	---	---	---	---	---	---	---
	10/10/94 ^{SPH}	12.05	---	---	---	---	---	---	---	---
	01/26/95 ^{SPH}	9.80	---	---	---	---	---	---	---	---



Table 2. Analytic Results for Ground Water, Former Shell Service Station, WIC #204-0079-0109, 999 San Pablo Avenue, Albany, California (continued)

Well ID & Sampling Frequency	Date	Depth to Water (ft)	TPH-G ←	B ←	T ←	E ←	X ←	DO (ppm)	HDM Units units/L	MTBE
parts per billion (µg/L)										
	04/21/95 ^{SPH}	10.03	---	---	---	---	---	---	---	---
	07/28/95 ^{SPH}	11.42	---	---	---	---	---	---	---	---
	10/31/95 ^{SPH}	---	---	---	---	---	---	---	---	---
	01/10/96 ^{SPH}	12.05	---	---	---	---	---	---	---	---
	04/25/96 ^{SPH}	9.68	---	---	---	---	---	---	---	---
S-6 (Bi-annually, 1st & 3rd Qtrs)	05/13/91	7.82	13,000	600	140	210	310	---	---	---
	08/23/91	9.58	9,800	480	80	120	150	---	---	---
	11/07/91	10.86	6,200	240	23	25	27	---	---	---
	01/28/92	8.97	5,600	250	15	41	36	---	---	---
	05/06/92	8.27	7,100	330	29	110	210	---	---	---
	07/29/92	9.57	13,000	240	<50	56	780	---	---	---
	10/28/92	8.90	10,000	470	210	67	170	---	---	---
	01/19/93	4.84	4,800	100	26	27	45	---	---	---
	04/29/93	5.61	7,000	430	20	<12.5	42	---	---	---
	07/22/93	6.56	5,800	260	120	65	150	---	---	---
	10/21/93	8.73	5,500	270	69	120	140	---	---	---
	01/04/94	7.14	7,100	180	58	63	62	---	---	---
	07/25/94	6.85	12,000	190	52	30	39	---	---	---
	07/25/94 ^{dnp}	6.85	7,200	170	32	31	34	---	---	---
	01/26/95	4.89	5,800	120	23	24	44	---	---	---
	07/28/95	5.30	4,400	210	23	34	60	3.0	---	---
	07/28/95 ^{dnp}	5.30	6,100	230	20	38	59	3.0	---	---
	01/10/96	5.67	6,800	170	87	35	105	2.2	---	---
	01/10/96 ^{dnp}	5.67	7,800	230	120	50	210	2.2	---	---
S-7 (Quarterly)	05/13/91	10.56	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	08/23/91	11.16	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	11/07/91	11.48	<50	<0.5	<0.5	<0.5	<0.5	---	---	---

Table 2. Analytic Results for Ground Water, Former Shell Service Station, WIC #204-0079-0109, 999 San Pablo Avenue, Albany, California (continued)

Well ID & Sampling Frequency	Date	Depth to Water (ft)	TPH-G ←	B	T	E	X	DO (ppm)	HDM Units units/L	MTBE
	01/28/92	10.72	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	05/06/92	10.34	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	07/29/92	11.13	160	<0.5	<0.5	<0.5	<0.5	---	---	---
	10/28/92	11.52	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	01/19/93	8.68	50	1.1	0.6	1.9	9.2	---	---	---
	04/29/93	9.90	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	07/22/93 ^d	---	---	---	---	---	---	---	---	---
	10/21/93	11.10	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	01/04/94	10.40	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	04/13/94	10.20	<50	1.4	0.61	<0.5	0.64	---	---	---
	04/13/94 ^{dap}	10.20	<50	1.4	0.61	<0.5	0.66	---	---	---
	07/25/94	10.48	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	10/10/94 ^e	10.64	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	01/26/95	7.75	<50	<0.5	<0.5	<0.5	<0.5	4.6	10 ³ to 10 ^{5,ab}	---
	04/21/95	8.51	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	07/28/95	10.20	<50	<0.5	<0.5	<0.5	<0.5	3.0	---	---
	10/31/95	10.86	<50	<0.5	<0.5	<0.5	<0.5	4.9	---	---
	01/10/96	10.33	<50	<0.5	2.0	<0.5	2.6	7.6	---	---
	04/25/96	9.13	<50	<0.5	<0.5	<0.5	<0.5	6.2	10 ⁰ to 10 ^{5,ab}	<2.5
Trip Blank	01/28/92		<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	04/29/93		<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	07/22/93		<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	10/21/93		<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	01/04/94		<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	04/13/94		<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	07/25/94		<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	10/10/94		<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	01/26/95		<50	<0.5	0.7	<0.5	<0.5	---	---	---

Table 2. Analytic Results for Ground Water, Former Shell Service Station, WIC #204-0079-0109, 999 San Pablo Avenue, Albany, California (continued)

Well ID & Sampling Frequency	Date	Depth to Water (ft)	TPH-G	B	T	E	X	DO (ppm)	HDM Units units/L	MTBE
			←	parts per billion (µg/L)	→					
	04/21/95		<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	07/28/95		<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	10/31/95		<50	<0.5	<0.5	<0.5	<0.5	---	---	---
DTSC MCLs			NE	1	100 ^f	680	1,750	---	---	---

Abbreviations:

- TPH-G = Total petroleum hydrocarbons as gasoline 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 602 or 8020
- = Not analyzed
- DTSC MCLs = California Department of Toxic Substances Control maximum contaminant levels for drinking water
- NE = Not established
- <n = Not detected at detection limits of n ppb
- dup = Duplicate sample
- SPH = Separate-phase hydrocarbons detected, no sample collected
- DO = Dissolved Oxygen
- HDM = Hydrocarbon Degrading Microbes

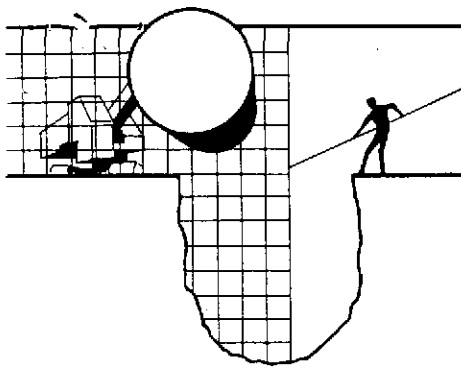
Notes:

- a = Simple method
- b = Estimated number
- c = Compounds detected and calculated as gasoline are not characteristic of the standard gasoline chromatographic pattern
- d = Well inaccessible
- e = Sample analyzed for Total Dissolved Solids (450,000 ppb)
- f = DTSC recommended action level for drinking water; MCL not established



ATTACHMENT A

BLAINE TECH'S GROUND WATER MONITORING REPORT



BLAINE TECH SERVICES INC.

985 TIMOTHY DRIVE
SAN JOSE, CA 95133
(408) 995-5535
FAX (408) 293-8773

May 10, 1996

Shell Oil Company
P.O. Box 4023
Concord, CA 94524

Attn: R. Jeff Granberry

Shell WIC #204-0079-0109
999 San Pablo Avenue
Albany, California

2nd Quarter 1996

Quarterly Groundwater Monitoring Report 960425-W-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) 995-5535 ext. 201.

Yours truly,

Francis Thic

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

cc: Weiss Associates
5500 Shellmound Street
Emeryville, CA 94608-2411
Attn: Grady Glasser

(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		VOLUME OF IMMISCIBLES REMOVED (ml)	DEPTH TO WATER (feet)	DEPTH TO WELL BOTTOM (feet)
					IMMISCIBLES	LIQUID ZONE (feet)			
S-1	4/25/96	TOB	-	NONE	-	-	-	7.74	11.66
S-2	4/25/96	TOB	ODOR	NONE	-	-	-	7.72	12.00
S-3	4/25/96	TOB	ODOR	NONE	-	-	-	6.90	12.12
S-4	4/25/96	TOB	-	NONE	-	-	-	7.14	14.12
S-5	4/25/96	TOB	FREE PRODUCT	9.65	-	0.03	-	9.68	-
S-6	4/25/96	TOB	ODOR	NONE	-	-	-	5.23	15.10
S-7	4/25/96	TOB	-	NONE	-	-	-	9.13	14.95



Sequoia Analytical

680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite 8

Redwood City, CA 94063
Walnut Creek, CA 94598
Sacramento, CA 95834

(415) 364-9600
(510) 988-9600
(916) 921-9600

FAX (415) 364-9233
FAX (510) 988-9673
FAX (916) 921-0100

Blaine Technical Services
985 Timothy Drive
San Jose, CA 95133
Attention: Jim Keller

Project: Shell, Albany, 960425-W1

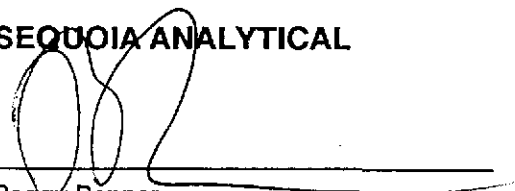
Enclosed are the results from samples received at Sequoia Analytical on April 26, 1996.
The requested analyses are listed below:

<u>SAMPLE #</u>	<u>SAMPLE DESCRIPTION</u>	<u>DATE COLLECTED</u>	<u>TEST METHOD</u>
9604J24 -01	LIQUID, S-7	04/25/96	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





Blaine Technical Services 985 Timothy Drive San Jose, CA 95133	Client Proj. ID: Shell, Albany, 960425-W1 Sample Descript: S-7 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9604J24-01	Sampled: 04/25/96 Received: 04/26/96 Analyzed: 05/02/96 Reported: 05/06/96
--	--	---

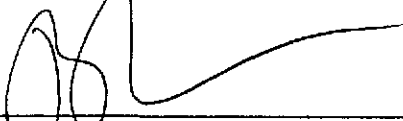
QC Batch Number: GC050296BTEX20A
Instrument ID: GCHP20

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	105

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

SEQUOIA ANALYTICAL - ELAP #1210



Peggy Penner
Project Manager





Blaine Tech Services, Inc. Client Project ID: Shell, Albany / 960425-W1
 985 Timothy Drive Matrix: Liquid
 San Jose, CA 95133
 Attention: Jim Keller Work Order #: 9604J24 -01 Reported: May 8, 1996


QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC050296BTEX20A	GC050296BTEX20A	GC050296BTEX20A	GC050296BTEX20A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	J. Woo	J. Woo	J. Woo	J. Woo
MS/MSD #:	9604D6104	9604D6104	9604D6104	9604D6104
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	5/2/96	5/2/96	5/2/96	5/2/96
Analyzed Date:	5/2/96	5/2/96	5/2/96	5/2/96
Instrument I.D.#:	GCHP20	GCHP20	GCHP20	GCHP20
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	12	12	11	32
MS % Recovery:	120	120	110	107
Dup. Result:	12	12	12	34
MSD % Recov.:	120	120	120	113
RPD:	0.0	0.0	8.7	6.1
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:	BLK050296	BLK050296	BLK050296	BLK050296
Prepared Date:	5/2/96	5/2/96	5/2/96	5/2/96
Analyzed Date:	5/2/96	5/2/96	5/2/96	5/2/96
Instrument I.D.#:	GCHP20	GCHP20	GCHP20	GCHP20
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	12	12	12	35
LCS % Recov.:	120	120	120	117

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

SEQUOIA ANALYTICAL

 Peggy Fenner
 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.

