Chevron

Chevron Products Company
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PO Box 5004
San Ramon, CA 94583-0804

Site Assessment & Remediation
Phone (510) 842-9500
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ENVIRONMENTAL PROTECTION
98 JUL 20 PM 1:08

July 15, 1998

Mr. Ravi Arulananthum
RWQCB Bay Region
2101 Webster Street, Suite 500
Oakland California 94612

SJC435

Re: Chevron Service Station 206265 (1001067)
Powell & Lauregan Street, Emeryville CA

Dear Mr. Arulananthum,

Please find attached the "Semi-Annual 1998 Groundwater monitoring & Sampling Report" dated June 17, 1998. This report was prepared for Chevron by Gettler-Rayn Inc. to provide the results obtained from the monitoring and sampling event which was performed at this site on May 4, 1998

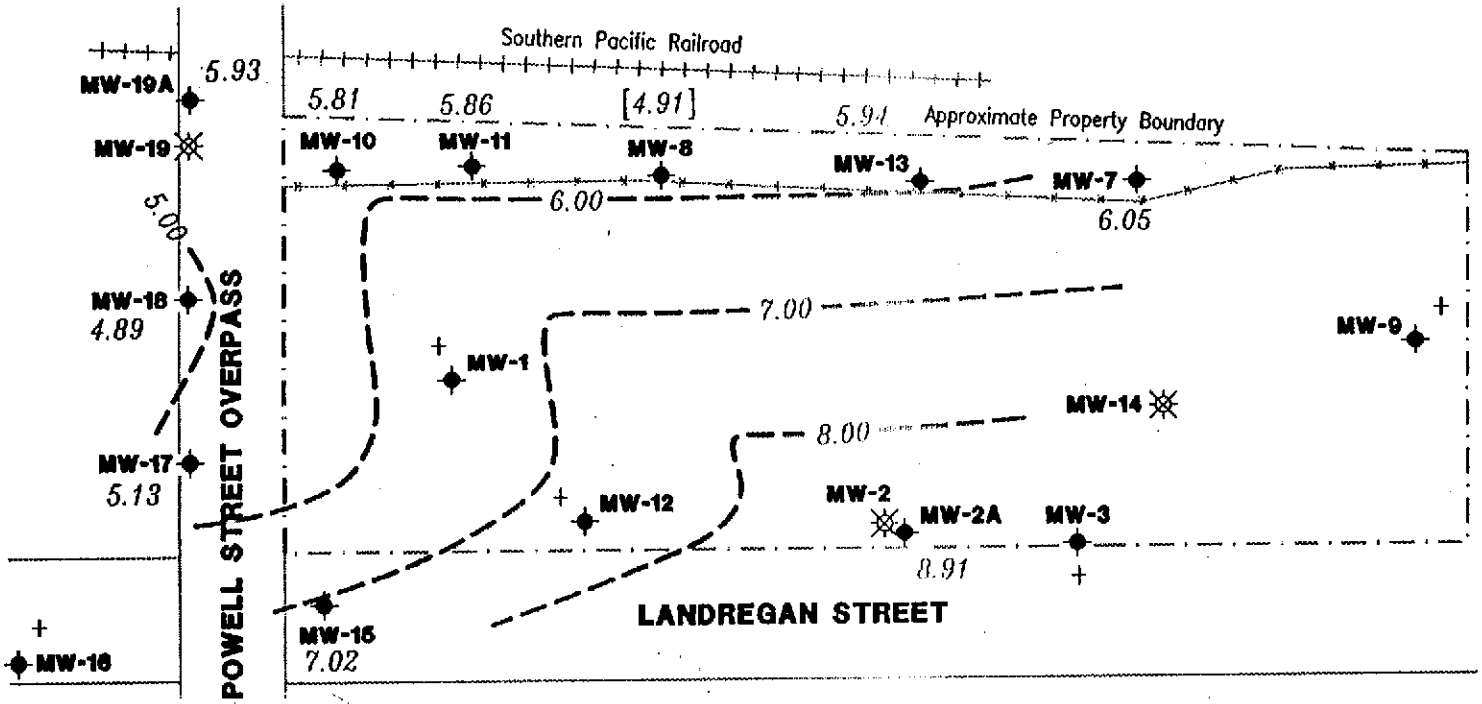
The groundwater samples collected by Gettler-Ryan Inc. were analyzed for the presence of TPHG and BTEX constituents . The results obtained from this sampling event remain consistent with historical data seen from previous sampling events at this site.

Chevron will continue with the sampling and monitoring program currently in place for this site. If you have any questions or require any other information regarding this site please call me. I can be reached by phone at (925) 842-9449 or by fax at (925) 842-8370.

Sincerely,

Tammy L Hodge
Site Assessment and Remediation

CC:
Ms. Susan Hugo, Alameda County Health Dept.
1131 Harbor Bay Parkway, Suite 250 Alameda CA 94502
Chevron File No. 206265 (1001067)



EXPLANATION:

- Groundwater monitoring well
- Abandoned groundwater monitoring well
- \+ Well not located, buried or destroyed
- 99.99 Groundwater elevation in feet referenced to Mean Sea Level (MSL)
- 99.99 Groundwater elevation contour, dashed where inferred.
- [99.99] Not used in contouring

Approximate groundwater flow direction at a gradient of 0.01 Ft./Ft.

N

0 100

Scale in Feet

FIGURE 1

Gettler - Ryan Inc.

6747 Sierra Ct., Suite J (925) 551-7555
Dublin, CA 94568

POTENTIOMETRIC MAP
Former Chevron Asphalt Plant
and Terminal No. 1001067
Emeryville, California

JOB NUMBER 5161

REVIEWED BY

DATE May 4, 1998

REVISED DATE

Table 1. Water Level Data and Groundwater Analytical Results - Former Chevron Asphalt Plant & Terminal #1001067, Emeryville, California

Well ID/ TOC (ft)[3]	Date	DTW (ft)	GWE[1] (msl)	Product Thickness[2] (ft)	Analytical Method	TPH(G)	B	T	E	X	MTBE
						<----------ppb---------->					
MW-1											
10.67	4/26/85	---	---	---	---	---	99	---	---	6.0	---
	9/11/87	---	---	---	---	---	63	---	---	---	---
	7/7/88	---	---	---	---	<100	55	---	---	---	---
	4/13/89	3.72	6.95	---	---	---	---	---	---	---	---
	4/14/89	---	---	---	8260	<5,000	34	<5.0	<5.0	<10	---
	7/31/89	5.72	4.95	0	8260	7,000	57	1.2	<0.2	1.6	---
	12/8/89	4.80	5.87	0	8015/8020	---	26	0.4	0.9	2.0	---
	3/21/90	4.74	5.93	0	8015/8020	3,500	120	9.0	3.0	3.0	---
	6/19/90	4.75	5.92	0	8015/8020	2,700	100	<0.3	<0.3	7.0	---
	9/20/90	5.07	5.60	---	---	---	---	---	---	---	---
	9/21/90	---	---	---	8015/8020	2,200	120	2.0	2.0	0.79	---
	12/28/90	4.91	5.76	0	8015/8020	720	44	2.0	<0.5	9.0	---
	5/10/91	5.30	5.37	0	8015/8020	530	47	2.0	0.5	8.0	---
	8/8/91	5.85	4.82	0	8015/8020	1,400	37	8.3	3.7	12	---
	11/27/91	5.13	5.54	0	8015/8020	840	16	7.1	4.5	11	---
	1/29/92	4.82	5.85	0	8015/8020	350	18	9.3	3.7	7.7	---
	3/26/92	4.32	6.35	0	8015/8020	420[11]	19	2.2	1.2	4.0	---
	7/23/92	5.42	5.25	0	8015/8020	4,000[12]	50	82	40	160	---
	10/28/92	5.56	5.11	0	8015/8020	980	36	6.7	3.0	10	---
	5/4/93	6.30	4.37	0	8015/8020	650	9.4	2.4	1.2	4.5	---
	1/5/94[10]	---	---	---	---	---	---	---	---	---	---
MW-2/											
13.78	4/26/85	---	---	---	---	---	<10	---	---	---	---
	9/11/87	---	---	---	---	---	---	---	---	---	---
	7/7/88	---	---	---	---	<100	<5.0	---	---	---	---
	4/13/89	2.62	11.16	---	---	---	---	---	---	---	---
	4/14/89*	---	---	---	8260	<100	<0.2	<0.2	<0.2	<0.4	---
	7/31/89	4.63	9.15	0	8260	<100	<0.2	<1.0	<0.2	<0.4	---
	12/8/89	5.98	7.80	0	8015/8020	---	<0.3	<0.3	<0.3	<0.6	---
	3/21/90	5.85	7.93	0	8015/8020	<50	<0.3	<0.3	<0.3	<0.6	---
	6/19/90	5.95	7.83	0	8015/8020	<50	<0.3	<0.3	<0.3	<0.6	---
	9/20/90	6.86	6.92	---	---	---	---	---	---	---	---
	9/21/90	---	---	---	8015/8020	<50	<1.5	<1.5	<1.5	<4.5	---
	12/28/90	6.34	7.44	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	5/10/91	5.96	7.82	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	8/8/91	7.66	6.12	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	11/27/91	8.04	5.74	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	1/29/92	6.01	7.77	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	3/26/92	6.10	7.68	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	7/23/92	7.39	6.39	0	8015/8020	<50	<0.5	<0.5	<0.5	0.8	---

Table 1. Water Level Data and Groundwater Analytical Results - Former Chevron Asphalt Plant & Terminal #1001067, Emeryville, California (continued)

Well ID/ TOC (ft)[1]	Date	DTW (ft)	GWE[1] (msl)	Product Thickness[2] (ft)	Analytical Method	TPH(G)	B	T	E	X	MTBE
						<----------ppb---------->					
MW-2	10/28/92	7.51	6.27	0	8015/8020	55	1.3	6.9	1.1	5.1	---
	5/4/93[8]	---	---	---	---	---	---	---	---	---	---
	1/5/94[10]	---	---	---	---	---	---	---	---	---	---
	10/24/94	Dry	---	---	---	---	---	---	---	---	---
	4/19/95	2.51	11.28[14]	0.01	---	---	---	---	---	---	---
	11/6/95		Abandoned	---	---	---	---	---	---	---	---
MW-2A											
12.45	11/6/95	4.51	7.94	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	4/26/96	4.10	8.35	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/10/96	5.32	7.13	0	8015/8020	60[17]	<0.5	<0.5	<0.5	<0.5	<5.0
	4/22/97	3.95	8.50	0	8015/8020	<50	0.8	<0.5	<0.5	<0.5	<5.0
	10/16/97	4.68	7.77	0	8015/8020	80	<0.5	<0.5	<0.5	<0.5	<5.0
	5/4/98	**3.54**	**8.91**	**0**	**8015/8020**	**96[18]**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<2.5**
MW-3/											
11.73	4/26/85	---	---	---	---	---	<10	---	---	---	---
	9/11/87	---	---	---	---	---	<0.5	---	---	---	---
	7/7/88	---	---	---	---	<100	<5.0	---	---	---	---
	4/13/89	2.34	9.39	---	---	---	---	---	---	---	---
	4/14/89*	---	---	---	8260	<100	<0.2	<0.2	<0.2	<0.4	---
	7/31/89	4.79	6.94	0	8260	<100	<0.2	<1.0	<0.2	<0.4	---
	12/8/89	3.03	8.70	0	8015/8020	---	<0.3	<0.3	<0.3	<0.6	---
	3/21/90	2.55	9.18	0	8015/8020	<50	<0.3	<0.3	<0.3	<0.6	---
	6/19/90	2.76	8.97	0	8015/8020	<50	<0.3	<0.3	<0.3	<0.6	---
	9/20/90	4.43	7.30	---	---	---	---	---	---	---	---
	9/21/90	---	---	---	8015/8020	<50	<0.3	<0.3	<0.3	<0.6	---
	12/28/90	3.67	8.06	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	5/10/91	2.83	8.90	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	8/8/91	5.09	6.64	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	11/27/91	5.37	6.36	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	1/29/92	3.46	8.27	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	3/26/92	2.10	9.63	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	7/23/92	4.60	7.13	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	10/28/92	5.07	6.66	0	8015/8020	92	1.8	12	2.0	10	---
	5/4/93[8]	---	---	---	---	---	---	---	---	---	---
	1/5/94[10]	---	---	---	---	---	---	---	---	---	---
MW-4	4/26/85	---	---	---	---	3,100	<10	---	---	---	---
	9/11/87	---	---	---	---	---	<0.5	---	---	---	---
	7/7/88	---	---	---	---	<100	<5.0	---	---	---	---

Table 1. Water Level Data and Groundwater Analytical Results - Former Chevron Asphalt Plant & Terminal #1001067, Emeryville, California (continued)

Well ID/ TOC (ft)[1]	Date	DTW (ft)	GWE[1] (msl)	Product Thickness[2] (ft)	Analytical Method	TPH(G)	B	T	E	X	MTBE
						<----------ppb---------->					
MW-4	4/13/89[3]	2.12	---	---	---	---	---	---	---	---	---
(cont)	4/14/89[4]*	---	---	---	8260	380[13]	<0.5	<1.0	<1.0	<1.0	---
MW-5	4/26/85	---	---	---	---	1,600	<100	---	---	---	---
	9/11/87	---	---	---	---	---	<10	---	---	---	---
	7/7/88	---	---	---	---	<100	<5.0	---	---	---	---
	4/13/89[3]	2.79	---	---	---	---	---	---	---	---	---
	4/14/89[4]*	---	---	---	8260	4,300[13]	<0.5	<1.0	<1.0	<1.0	---
MW-6	4/26/85	---	---	---	---	580	<100	---	---	---	---
	9/11/87	---	---	---	---	---	<10	---	---	---	---
	7/7/88	---	---	---	---	8,000	<5.0	---	---	---	---
	4/13/89[3]	1.90	---	---	---	---	---	---	---	---	---
	4/14/89[4]*	---	---	---	8260	3,300[13]	<0.5	<1.0	<1.0	<1.0	---
MW-7/ 10.47	4/26/85	---	---	---	---	700	ND	---	---	---	---
	9/11/87	---	---	---	---	---	<10	---	---	---	---
	7/7/88	---	---	---	---	17,000	<5.0	---	---	---	---
	4/13/89	1.90	8.57	---	---	---	---	---	---	---	---
	4/14/89*	---	---	---	8260	<50	<0.5	<1.0	<1.0	<1.0	---
	7/31/89	4.24	6.23	---	8260	160[13]	<0.1	<0.5	<0.1	<0.2	---
	7/31/89	---	---	---	8260	100[13]	<0.1	<0.5	<0.1	<0.2	---
	12/8/89	2.65	7.82	0	8015/8020	---	<0.3	<0.3	<0.3	<0.6	---
	3/21/90	2.76	7.71	0	8015/8020	<50	<0.3	<0.3	<0.3	0.6	---
	6/19/90	3.24	7.23	0	8015/8020	<50	<0.3	<0.3	<0.3	0.6	---
	9/20/90	4.57	5.90	---	---	---	---	---	---	---	---
	9/21/90	---	---	---	8015/8020	<50	1.5	<0.3	<0.3	<0.6	---
	12/28/90	3.12	7.35	0	8015/8020	<50	0.7	<0.5	<0.5	0.7	---
	5/10/91	3.53	6.94	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	8/8/91	4.64	5.83	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	11/27/91	3.66	6.81	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	1/29/92	3.24	7.23	0	8015/8020	<50	<0.5	<0.5	<0.5	0.9	---
	3/26/92	2.61	7.86	0	8015/8020	<50	<0.5	<0.5	<0.5	0.9	---
	7/23/92	4.19	6.28	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	10/28/92	4.39	6.08	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	5/4/93[8]	---	---	---	---	---	---	---	---	---	---
	1/5/94[10]	---	---	---	---	---	---	---	---	---	---
	5/13/94	4.41	6.06	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	10/24/94	5.03	5.44	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	4/19/95	4.53	5.94	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---

Table 1. Water Level Data and Groundwater Analytical Results - Former Chevron Asphalt Plant & Terminal #1001067, Emeryville, California (continued)

Well ID/ TOC (ft)[1]	Date	DTW (ft)	GWE[1] (msl)	Product Thickness[2] (ft)	Analytical Method	TPH(G)	B	T	E	X	MTBE
						<------	------	------ppb	------	------	------>
MW-7	11/6/95	5.11	5.36	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	<5.0
(cont)	4/26/96	4.40	6.07	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/10/96	5.02	5.45	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	4/22/97	4.54	5.93	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/16/97	4.42	6.05	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	5/4/98	**4.42**	**6.05**	**0**	**8015/8020**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<2.5**
MW-8/											
10.46	4/26/85	---	---	---	---	---	ND	---	---	---	---
	9/11/87	---	---	---	---	---	<10	---	---	---	---
	7/7/88	---	---	---	---	20,000	<5.0	---	---	---	---
	4/13/89	2.80	7.66	---	---	---	---	---	---	---	---
	4/14/89*	---	---	---	8260	<50	<0.5	<1.0	<1.0	<1.0	<3,000
	7/31/89	5.70	4.76	0	8260	<50	<0.1	<0.5	<0.1	<0.2	---
	12/8/89	4.13	6.33	0	8015/8020	---	<0.3	<0.3	<0.3	<0.6	---
	3/21/90	4.07	6.39	0	8015/8020	<50	<0.3	<0.3	<0.3	<0.6	---
	6/19/90	4.25	6.21	0	8015/8020	<50	<0.3	<0.3	<0.3	<0.6	---
	9/20/90	4.99	5.47	---	---	---	---	---	---	---	---
	9/21/90	---	---	---	8015/8020	<50	6.0	<0.3	<0.3	<0.6	---
	12/28/90	4.39	6.07	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	5/10/91	4.13	6.33	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	8/8/91	5.53	4.93	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	11/27/91	4.59	5.87	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	1/29/92	5.30	5.16	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	3/26/92	3.59	6.87	0	8015/8020	<50	<0.5	<0.5	<0.5	0.7	---
	7/23/92	5.06	5.40	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	10/28/92[7]	---	---	---	---	---	---	---	---	---	---
	5/4/93[8]	---	---	---	---	---	---	---	---	---	---
	1/5/94[8]	---	---	---	---	---	---	---	---	---	---
	5/13/94	5.59	4.87	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	10/24/94[7]	---	---	---	---	---	---	---	---	---	---
	4/19/95[4]	---	---	---	---	---	---	---	---	---	---
	11/6/95	Inaccessible		---	---	---	---	---	---	---	---
	4/26/96	Inaccessible		---	---	---	---	---	---	---	---
	10/10/96	Inaccessible		---	---	---	---	---	---	---	---
	4/22/97	5.79	4.67	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/16/97	5.32	5.14	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	5/4/98	**5.55**	**4.91**	**0**	**8015/8020**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<2.5**
MW-9	4/26/85	---	---	---	---	---	---	---	---	---	---
	9/11/87	---	---	---	---	---	---	---	---	---	---

Table 1. Water Level Data and Groundwater Analytical Results - Former Chevron Asphalt Plant & Terminal #1001067, Emeryville, California (continued)

Well ID/ TOC (ft)[1]	Date	DTW (ft)	GWE[1] (msl)	Product Thickness[2] (ft)	Analytical Method	TPH(G)	B	T	E	X	MTBE
						<----------ppb---------->					
MW-9 (cont)	7/7/88	---	---	---	---	400	---	---	---	---	---
	5/10/91[5]	---	---	---	---	---	---	---	---	---	---
MW-10/ 10.82	7/7/88	---	---	---	---	---	<5.0	---	---	---	---
	4/14/89*	---	---	---	8260	<50	<0.5	<1.0	<1.0	<1.0	---
	7/31/89	---	---	---	8260	<50	<0.1	<0.5	<0.1	<0.2	---
	12/8/89	---	---	---	8015/8020	---	<0.3	<0.3	<0.3	<0.6	---
	3/21/90	4.60	6.22	0	8015/8020	<50	<0.3	<0.3	<0.3	<0.6	---
	6/19/90	4.89	5.93	0	8015/8020	<50	<0.3	<0.3	<0.3	<0.6	---
	9/20/90	5.77	5.05	---	---	---	---	---	---	---	---
	9/21/90	---	---	---	8015/8020	<50	<0.3	<0.3	<0.3	<0.6	---
	12/28/90	4.99	5.83	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	5/10/91	5.80	5.02	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	8/8/91	5.86	4.96	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	11/27/91	5.39	5.43	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	1/29/92	5.44	5.38	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	3/26/92	4.96	5.86	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	7/23/92	5.80	5.02	0	8015/8020	<50	<0.5	1.8	0.5	1.9	---
	10/28/92	6.06	4.76	0	8015/8020	<50	0.6	0.7	<0.5	1.2	---
	5/4/93[8]	---	---	---	---	---	---	---	---	---	---
	1/5/94	5.92	4.90	0	8015/8020	<50	<0.5	<0.5	<0.5	0.6	---
	5/13/94	5.09	5.73	0	8015/8020	140	<0.5	<0.5	<0.5	1.3	---
	10/24/94	6.24	4.58	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	4/19/95	5.26	5.56	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	11/6/95	6.25	4.57	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	4/26/96		Inaccessible	---	---	---	---	---	---	---	---
	10/10/96	6.10	4.72	0	8015/8020	<50	<0.5	<0.5	<0.5	0.6	34/*ND*[16]
	4/22/97	5.50	5.32	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/16/97	5.08	5.74	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	34
	5/4/98	**5.01**	**5.81**	**0**	**8015/8020**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**---[19]**
MW-11/ 11.38	7/7/88	---	---	---	---	---	<5.0	---	---	---	---
	4/14/89	---	---	---	8260	<50	<0.5	<1.0	<1.0	<1.0	<3,000
	7/31/89	---	---	---	8260	<100	<0.2	<0.2	<0.2	<0.2	---
	12/8/89	---	---	---	8015/8020	---	<0.3	<0.3	<0.3	<0.6	---
	3/21/90	4.82	6.56	0	8015/8020	<50	<0.3	<0.3	<0.3	<0.6	---
	6/19/90	5.14	6.24	0	8015/8020	<50	<0.3	<0.3	<0.3	<0.6	---
	9/20/90	6.11	5.27	---	---	---	---	---	---	---	---
	9/21/90	---	---	---	8015/8020	<50	<0.3	<0.3	<0.3	<0.6	---
	12/28/90	5.16	6.22	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---

Table 1. Water Level Data and Groundwater Analytical Results - Former Chevron Asphalt Plant & Terminal #1001067, Emeryville, California (continued)

Well ID/ TOC (ft)[1]	Date	DTW (ft)	GWE[1] (msl)	Product Thickness[2] (ft)	Analytical Method	TPH(G)	B	T	E	X	MTBE
						<----------ppb---------->					
MW-11	5/10/91	7.83	3.55	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
(cont)	8/8/91	6.32	5.06	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	11/27/91	5.67	5.71	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	1/29/92	5.83	5.55	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	3/26/92	4.09	7.29	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	7/23/92	6.19	5.19	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	10/28/92	6.51	4.87	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	5/4/93[8]	---	---	---	---	---	---	---	---	---	---
	1/5/94[8]	---	---	---	---	---	---	---	---	---	---
	5/13/94	5.67	5.71	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	10/24/94	6.79	4.59	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	4/19/95	5.69	5.69	0	8015/8020	58[15]	0.6	<0.5	<0.5	0.5	---
	11/6/95		Inaccessible	---	---	---	---	---	---	---	---
	4/26/96		Inaccessible	---	---	---	---	---	---	---	---
	10/10/96		Inaccessible	---	---	---	---	---	---	---	---
	4/22/97	5.94	5.44	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/16/97	5.48	5.90	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	18
	5/4/98	**5.52**	**5.86**	**0**	**8015/8020**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**---[19]**
MW-12/											
13.03	7/7/88	---	---	---	---	<100	<5.0	---	---	---	---
	4/14/89*	---	---	---	8260	<50	<0.5	<1.0	<1.0	<1.0	---
	7/31/89	---	---	---	8260	<100	<0.1	<0.5	<0.1	<0.2	---
	12/8/89	---	---	---	8015/8020	---	<0.3	<0.3	<0.3	<0.6	---
	3/21/90	6.76	6.27	0	8015/8020	<50	<0.3	<0.3	<0.3	<0.3	---
	6/19/90	6.62	6.41	0	8015/8020	<50	<0.3	<0.3	<0.3	<0.3	---
	9/20/90	5.00	8.03	---	---	---	---	---	---	---	---
	9/21/90	---	---	---	8015/8020	<50	<0.3	<0.3	<0.3	<0.3	---
	12/28/90	6.62	6.41	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	5/10/91	6.48	6.55	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	8/8/91	8.01	5.02	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	11/27/91	7.95	5.08	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	1/29/92	7.68	5.35	0	8015/8020	<50	<0.5	<0.5	<0.5	1.0	---
	3/26/92	6.60	6.43	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	7/23/92[6]	---	---	---	---	---	---	---	---	---	---
MW-13/											
11.15	3/21/90	4.08	7.07	0	8015/8020	480	<0.3	<0.3	1.0	5.0	---
	6/19/90	4.34	6.81	0	8015/8020	180	<0.3	<0.3	0.8	3.0	---
	9/20/90	5.31	5.84	0	8015/8020	150	<0.3	<0.3	<0.3	0.54	---
	12/28/90	4.79	6.36	0	8015/8020	160	<0.5	<0.5	<0.5	1.0	---
	5/10/91	4.20	6.95	0	8015/8020	110	<0.5	<0.5	<0.5	2.0	---

Table 1. Water Level Data and Groundwater Analytical Results - Former Chevron Asphalt Plant & Terminal #1001067, Emeryville, California (continued)

Well ID/ TOC (ft)[1]	Date	DTW (ft)	GWE[1] (msl)	Product Thickness[2] (ft)	Analytical Method	TPH(G)	B	T	E	X	MTBE
						<----------ppb---------->					
MW-13 (cont)	8/8/91	5.13	6.02	0	8015/8020	220[4]	<0.5	<0.5	<0.5	1.8	---
	11/27/91	4.72	6.43	0	8015/8020	70	<0.5	<0.5	<0.5	1.2	---
	1/29/92	4.69	6.46	0	8015/8020	150	<0.5	<0.5	3.1	7.1	---
	3/26/92	4.04	7.11	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	7/23/92	5.12	6.03	0	8015/8020	190	<0.5	<0.5	<0.5	2.1	---
	10/28/92	5.30	5.85	0	8015/8020	190	<0.5	<0.5	<0.5	2.0	---
	5/4/93[8]	---	---	---	---	---	---	---	---	---	---
	1/5/94[8]	---	---	---	---	---	---	---	---	---	---
	5/13/94	5.28	5.87	0	8015/8020	220	<0.5	1.2	<0.5	1.7	---
	10/24/94	6.04	5.11	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	4/19/95	5.37	5.78	0	8015/8020	140[15]	<0.5	<0.5	<0.5	1.2	---
	11/6/95	6.13	5.02	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	4/26/96	5.22	5.93	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/10/96	Inaccessible		---	---	---	---	---	---	---	---
	4/22/97	5.46	5.69	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/16/97	5.17	5.98	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	5/4/98	**5.21**	**5.94**	**0**	**8015/8020**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<2.5**
MW-14/ 9.78	3/21/90	0.91	8.87	0	8015/8020	170	<0.3	<0.3	<0.4	2.0	---
	6/19/90	1.03	8.75	0	8015/8020	77	<0.3	<0.3	<0.3	<0.6	---
	9/20/90	2.53	7.25	0	8015/8020	<50	<0.3	<0.3	<0.3	<0.6	---
	12/28/90	1.61	8.17	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	5/10/91	1.22	8.56	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	8/8/91	2.45	7.33	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	11/27/91	2.59	7.19	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	1/29/92	1.10	8.68	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	3/26/92	0.74	9.04	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	7/23/92	2.30	7.48	0	8015/8020	<50	0.6	<0.5	<0.5	0.8	---
	10/28/92	2.76	7.02	0	8015/8020	56	0.7	4.0	0.8	3.8	---
	5/4/93[9]	Abandoned		---	---	---	---	---	---	---	---
MW-15/ 11.01	3/21/90	4.72	6.29	0	8015/8020	<50	<0.3	<0.3	<0.3	<0.6	---
	6/19/90	4.78	6.23	0	8015/8020	<50	<0.3	<0.3	<0.3	<0.6	---
	9/20/90	4.98	6.03	0	8015/8020	<50	<0.3	<0.3	<0.3	<0.6	---
	12/28/90	4.84	6.17	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	5/10/91	4.58	6.43	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	8/8/91	5.03	5.98	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	11/27/91	5.88	5.13	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	1/29/92	4.82	6.19	0	8015/8020	<50	1.9	2.6	0.8	2.6	---
	3/26/92	4.35	6.66	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---

Table 1. Water Level Data and Groundwater Analytical Results - Former Chevron Asphalt Plant & Terminal #1001067, Emeryville, California (continued)

Well ID/ TOC (ft)[1]	Date	DTW (ft)	GWE[1] (msl)	Product Thickness[2] (ft)	Analytical Method	TPH(G)	B	T	E	X	MTBE
						<--------		ppb			-------->
MW-15 (cont)	7/23/92	5.04	5.97	0	8015/8020	<50	<0.5	<0.5	<0.5	0.5	---
	10/28/92	5.17	5.84	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	5/4/93[5]	---	---	---	---	---	---	---	---	---	---
	1/5/94[10]	---	---	---	---	---	---	---	---	---	---
	5/13/94	4.50	6.51	0	8015/8020	110	<0.5	0.7	<0.5	2.0	---
	10/24/94	5.17	5.84	0	8015/8020	<50	2.3	1.1	<0.5	<0.5	---
	4/19/95	4.77	6.24	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	11/6/95	5.28	5.73	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	4/26/96	4.60	6.41	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/10/96	5.22	5.79	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	4/22/97	4.85	6.16	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/16/97	4.82	6.19	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	5/4/98	**3.99**	**7.02**	**0**	**8015/8020**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<2.5**
MW-16/ 11.11	3/21/90	5.84	5.27	0	8015/8020	<50	<0.3	<0.3	<0.3	<0.6	---
	6/19/90	5.90	5.21	0	8015/8020	<50	<0.3	<0.3	<0.3	<0.6	---
	9/20/90	6.36	4.75	0	8015/8020	<50	<0.3	<0.3	<0.3	<0.6	---
	12/28/90	5.98	5.13	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	5/10/91	5.89	5.22	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	8/8/91	6.28	4.83	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	11/27/91	5.62	5.49	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	1/29/92	5.88	5.23	0	8015/8020	65	3.6	6.2	1.9	6.6	---
	3/26/92	5.56	5.55	0	8015/8020	270[5]	21	27	9.5	41	---
	7/23/92	6.29	4.82	0	8015/8020	<50	<0.5	<0.5	<0.5	0.7	---
	10/28/92	6.29	4.82	0	8015/8020	<50	0.9	1.4	<0.5	1.1	---
	5/4/93	5.75	5.36	0	8015/8020	51	<0.5	1.0	0.6	1.7	---
	1/5/94[10]	---	---	---	---	---	---	---	---	---	---
MW-17/ 10.41	3/21/90	5.61	4.80	0	8015/8020	<50	<0.3	<0.3	<0.3	<0.6	---
	6/19/90	---	---	---	8015/8020	<50	<0.3	<0.3	<0.3	<0.6	---
	9/20/90	6.02	4.39	0	8015/8020	<50	<0.3	<0.3	<0.3	<0.6	---
	12/28/90	5.73	4.68	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	5/10/91	5.65	4.76	0	8015/8020	<50	<0.5	<0.5	<0.5	0.8	---
	8/8/91	5.94	4.47	0	8015/8020	82	1.9	2.5	0.9	5.4	---
	11/27/91	6.00	4.41	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	1/29/92	5.61	4.80	0	8015/8020	<50	<0.5	0.9	<0.5	0.5	---
	3/26/92	5.31	5.10	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	7/23/92	5.97	4.44	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	10/28/92	5.96	4.45	0	8015/8020	78	1.0	7.1	1.4	6.5	---
	5/4/93	7.53	2.88	0	8015/8020	60	0.8	1.7	1.1	3.0	---

Table 1. Water Level Data and Groundwater Analytical Results - Former Chevron Asphalt Plant & Terminal #1001067, Emeryville, California (continued)

Well ID/ TOC (ft)[1]	Date	DTW (ft)	GWE[1] (msl)	Product Thickness[2] (ft)	Analytical Method	TPH(G)	B	T	E	X	MTBE
						<----------ppb---------->					
MW-17 (cont)	1/5/94	5.50	4.91	0	8015/8020	<50	<0.5	0.7	<0.5	<0.5	---
	5/13/94	5.17	5.24	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	10/24/94	6.08	4.33	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	4/19/95	5.48	4.93	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	11/6/95	6.00	4.41	0	8015/8020	<50	<0.5	<0.5	<0.5	<5.0	---
	4/26/96	5.45	4.96	0	8015/8020	<50	<0.5	<0.5	<0.5	<5.0	---
	10/10/96	5.72	4.69	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	4/22/97	5.38	5.03	0	8015//020	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/16/97	5.36	5.05	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	5/4/98	**5.28**	**5.13**	**0**	**8015/8020**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<2.5**
MW-18/ 9.80	3/21/90	5.15	4.65	0	8015/8020	<50	<0.3	<0.3	<0.3	<0.6	---
	6/19/90	5.19	4.61	0	8015/8020	<50	<0.3	<0.3	<0.3	<0.6	---
	9/20/90	5.54	4.26	0	8015/8020	<50	<0.3	<0.3	<0.3	<0.6	---
	12/28/90	5.26	4.54	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	5/10/91	5.18	4.62	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	8/8/91	5.45	4.35	0	8015/8020	52	<0.5	<0.5	<0.5	<0.5	---
	11/27/91	5.24	4.56	0	8015/8020	<50	0.6	1.5	0.6	2.1	---
	1/29/92	5.12	4.68	0	8015/8020	67	3.7	5.2	1.5	5.0	---
	3/26/92	4.84	4.96	0	8015/8020	80[5]	<0.5	<0.5	<0.5	0.8	---
	7/23/92	5.49	4.31	0	8015/8020	50[5]	1.3	2.1	0.5	3.0	---
	10/28/92	5.47	4.33	0	8015/8020	54	<0.5	1.3	<0.5	1.1	---
	5/4/93	5.07	4.73	0	8015/8020	<50	<0.5	<0.5	<0.5	<1.5	---
	1/5/94	5.05	4.75	0	8015/8020	<50	<0.5	0.5	<0.5	0.6	---
	5/13/94	4.76	5.04	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	10/24/94	5.65	4.15	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	4/19/95	5.10	4.70	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	11/6/95	5.57	4.23	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	4/26/96	5.07	4.73	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/10/96[10]	---	---	---	---	---	---	---	---	---	---
	4/22/97	5.03	4.77	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/16/97	5.98	3.82	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	5/4/98	**4.91**	**4.89**	**0**	**8015/8020**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**---[19]**
MW-19/ 8.45	3/21/90	5.00	3.45	0	8015/8020	<50	<0.3	<0.3	<0.3	<0.6	---
	6/19/90	5.06	3.39	0	8015/8020	<50	<0.3	<0.3	<0.3	<0.6	---
	9/20/90	5.25	3.20	0	8015/8020	<50	<0.3	<0.3	<0.3	<0.6	---
	12/28/90	5.07	3.38	0	8015/8020	66	<0.5	<0.5	<0.5	<0.5	---
	5/10/91	5.02	3.43	0	8015/8020	60[4]	<0.5	<0.5	<0.5	<0.5	---
	8/8/91	5.17	3.28	0	8015/8020	58	<0.5	<0.5	<0.5	<0.5	---

Table 1. Water Level Data and Groundwater Analytical Results - Former Chevron Asphalt Plant & Terminal #1001067, Emeryville, California (continued)

Well ID/ TOC (ft)[1]	Date	DTW (ft)	GWE[1] (msl)	Product Thickness[2] (ft)	Analytical Method	TPH(G)	B	T	E	X	MTBE
						<----------ppb---------->					
MW-19 (cont)	11/27/91	5.06	3.39	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	1/29/92	4.93	3.52	0	8015/8020	<50	1.7	2.6	0.7	2.1	---
	3/26/92	4.79	3.66	0	8015/8020	80[5]	<0.5	<0.5	<0.5	<0.5	---
	7/23/92	5.22	3.23	0	8015/8020	70[5]	0.6	0.5	<0.5	1.5	---
	10/28/92	5.16	3.29	0	8015/8020	170	4.3	28	5.1	24	---
	5/4/93	4.93	3.52	0	8015/8020	120	2.0	4.7	2.8	8.1	---
	1/5/94	4.91	3.54	0	8015/8020	<50	2.0	1.4	1.7	2.5	---
	5/13/94	4.18	4.27	0	8015/8020	<50	<0.5	0.9	<0.5	<0.5	---
	10/24/94	4.85	3.60	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	4/19/95	4.20	4.25	0	8015/8020	270[15]	<0.5	<0.5	<0.5	<0.5	---
	11/6/95		Abandoned	---	---	---	---	---	---	---	---
MW-19A 9.96	11/6/95	4.85	5.11	0	8015/8020	420	<0.5	<0.5	<0.5	<0.5	<5.0
	4/26/96	4.18	5.78	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/10/96	4.56	5.40	0	8015/8020	610[17]	<0.5	<0.5	<0.5	<0.5	21
	4/22/97	4.17	5.79	0	8015/8020	430[17]	<0.5	<0.5	<0.5	<0.5	<5.0
	10/16/97	4.13	5.83	0	8015/8020	380	<0.5	<0.5	<0.5	<0.5	22
	5/4/98	**4.03**	**5.93**	**0**	**8015/8020**	**200[21]**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**---[20]/<2.0[22]**
Trip Blank	4/14/89	---	---	---	8260	<50	<0.5	<1.0	<1.0	<1.0	---
AA	7/31/89	---	---	---	8260	<50	<0.1	<0.5	<0.5	<0.2	---
	12/8/89	---	---	---	8015/8020	---	<0.3	<0.3	<0.3	<0.6	---
	3/21/90	---	---	---	8015/8020	<50	<0.3	<0.3	<0.3	<0.6	---
	3/26/90	---	---	---	8015/8020	<50	<0.3	<0.3	<0.3	<0.6	---
	6/19/90	---	---	---	8015/8020	<50	<0.3	<0.3	<0.3	<0.6	---
	9/21/90	---	---	---	8015/8020	<50	<0.3	<0.3	<0.3	<0.6	---
	12/28/90	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.6	---
	5/10/91	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	8/8/91	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	11/27/91	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	1/29/92	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	3/26/92	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
TB-LB	7/23/92	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	10/28/92	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	5/4/93	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<1.5	---
	1/5/94	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	5/13/94	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	10/24/94	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	4/19/95	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	11/6/95	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	<5.0

Table 1. Water Level Data and Groundwater Analytical Results - Former Chevron Asphalt Plant & Terminal #1001067, Emeryville, California (continued)

Well ID/ TOC (ft)[1]	Date	DTW (ft)	GWE[1] (msl)	Product Thickness[2] (ft)	Analytical Method	TPH(G)	B	T	E	X	MTBE
						<----------ppb---------->					
TB-LB (cont)	4/26/96	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/10/96	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	4/22/97	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/16/97	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	5/4/98	**---**	**---**	**---**	**8015/8020**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<2.5**
Bailer Blank BB	5/10/91	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	8/8/91	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	11/27/91	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	1/29/92	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	3/26/92	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	7/23/92	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	10/28/92	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	5/4/93	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<1.5	---
	1/5/94	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	5/13/94	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---

Table 1. Water Level Data and Groundwater Analytical Results - Former Chevron Asphalt Plant & Terminal #1001067, Emeryville, California (continued)

EXPLANATION:

TOC = Top of casing elevation
(ft) = feet
DTW = Depth to water
GWE = Groundwater elevation
msl = Measurements referenced relative to mean sea level
TPH(G) = Total Purgeable Petroleum Hydrocarbons as Gasoline
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
MTBE = Methyl-tertiary-butyl ether
O&G = Oil and Grease
ppb = Parts per billion
ppm = Parts per million
--- = Not available/not applicable

ANALYTICAL METHODS:

EPA Method 8260 for TPH(G) & BTEX
EPA Method 8015/8030 for TPH(G)
EPA Method 8020 for BTEX & MTBE

NOTES:

Water level elevation data and laboratory analytical results prior to April 19, 1995, were compiled from the quarterly groundwater monitoring reports prepared for Chevron by Sierra Environmental Services.

* Sample was analyzed for O&G (EPA Method 8260) and was <3,000 ppm.

1 Top of casing elevations shown prior to 3/21/90 were surveyed to an arbitrary datum point set at 100 feet. The GWEs shown for dates prior to 3/21/90 were corrected using new TOC elevations which were surveyed to a USGS benchmark (relative to mean sea level) in April 1990.

2 Product thickness measurements on and after May 10, 1991 were made using an MMC flexi-dip interface probe. Product thickness information prior to May 10, 1991 was not available for inclusion in this report.

3 Well construction details for this well is not available for inclusion in this report.

4 Monitoring well was destroyed during soil excavation in 1989.

5 Well MW-9 was not measured after 5/10/91 because it could not be located. Previous water level data was not available for inclusion in this report.

NOTES (continued):

6 Well MW-12 could not be located after building demolition.

7 Well was obstructed.

8 Monitoring well obstructed due to on-site construction activities.

9 Monitoring well abandoned on March 10, 1993 by Soils Exploration Services of Benicia, California.

10 Well covered with asphalt during construction activities.

11 Does not match a typical gasoline pattern.

12 Gasoline range concentration reported. Chromatogram shows only a single peak in the gasoline range.

13 TPH was reported as Diesel #2.

14 GWE was corrected for the presence of separate-phase hydrocarbons using: GWE = [(TOC-DTW) + (Prod Thickness)(0.8)]. 0.8 is the assumed specific gravity of separate-phase hydrocarbons.

15 Laboratory report indicates that hydrocarbons were found in the range of gasoline, but do not resemble a gasoline fingerprint.

16 MTBE by EPA Methods 8240B was not detected at a detection limit of 5.0 ppb.

17 Laboratory report indicates hydrocarbons in the gasoline range to not match the gasoline standard pattern.

18 Laboratory report indicates unidentified hydrocarbons C6-C10.

19 Sample has ave chlorinated hydrocarbon pattern, needs GCMS confirmation of MTBE.

20 Sample has a chlorinated hydrocarbon pattern that was not confirmed and MTBE that should be confirmed by GCMS. High Surrogate recovery due to matrix effect.

21 Laboratory report indicates unidentified hydrocarbons C6-C8.

22 MTBE by EPA Method 8260.

Table 2. Analytical Results for Groundwater - Halogenated Volatile Organic Compounds - Former Chevron Asphalt Plant & Terminal #1001067, Emeryville, California

Well ID	Date Sampled	Analytical Lab	Analytical Method	1,1-DCE	1,2-DCE	t-1,2-DCE	c-1,2-DCE	1,1-DCA	1,1,1-TCA	TCE	PCE	CF	VC	Other HVOCs
				<--------				ppb						-------->
MW-1	4/14/89	CCAS	8010	<5.0	---	19	720	<5.0	<5.0	11	<5.0	<20	340	ND[1]
	7/31/89	CCAS	8010	6.8	---	54	2,600	2.7	7.2	57	<0.2	<1.0	760	ND[2]
	12/8/89	GTEL	8010	4.3	2,700	---	---	1.7	1.4	59	<0.5	<0.5	520	---
	3/21/90	GTEL	8010	7.1	7,000	---	---	2.1	1.1	130	<0.5	<0.5	1,100	---
	6/19/90	GTEL	8010	12	6,100	---	---	3.1	<0.5	81	<0.5	<0.5	1,200	---
	9/21/90	GTEL	8010	1.8	2,400	---	---	2.2	1.7	60	<0.5	<0.5	1,100	ND[3]
	12/28/90	SAL	8010	2.0	---	28	1,500	1.0	0.6	15	<0.5	<0.5	510	ND[4]
	5/10/91	SAL	8010	10	---	69	5,500	2.0	<0.5	280	<0.5	<0.5	1,800	ND[5]
	8/8/91	SAL	8010	2.9	---	45	2,300	1.5	<0.5	110	<0.5	<0.5	<1.0	ND[6]
	11/27/91	SPA	8010	<25	---	<25	5,900	<25	<25	<25	<25	<25	540	ND[20]
	1/29/92	SPA	8010	<25	---	26	1,900	<25	<25	<25	<25	<25	320	ND[20]
	3/26/92	SPA	8010	<50	---	<50	1,500	<50	<50	<50	<50	<50	260	ND[21]
	7/23/92	SPA	8010	<50	---	<50	2,300	<50	<50	<50	<50	<50	170	ND[21]
	10/28/92	SPA	8010	4.2	---	30	1,600	3.6	<0.5	16	<0.5	<0.5	810	ND
	5/4/93	SPA	8010	1.0	---	16	670	0.5	<0.5	9.2	<0.5	<0.5	110	ND[18]
	1/5/94[24]	---	---	---	---	---	---	---	---	---	---	---	---	---
	5/13/94[27]	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	4/14/89	CCAS	8010	<0.2	<0.2	---	---	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	---
	7/31/89	CCAS	8010	<0.2	<0.2	---	---	<0.4	0.5	<0.2	<0.2	<1.0	<0.2	---
	12/8/89	GTEL	8010	<0.2	<0.5	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	---
	3/21/90	GTEL	8010	<0.2	<0.5	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	---
	6/19/90	GTEL	8010	<0.2	<0.5	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	---
	9/21/90	GTEL	8010	<0.2	<0.5	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	---
	12/28/90	SAL	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	5/10/91	SAL	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	8/8/91	SAL	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	11/27/91	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	1/29/92	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	3/26/92	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND[18]
	7/23/92	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	10/28/92	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	5/4/93[24]	---	---	---	---	---	---	---	---	---	---	---	---	---
	1/5/94[24]	---	---	---	---	---	---	---	---	---	---	---	---	---
	5/13/94[28]	---	---	---	---	---	---	---	---	---	---	---	---	---
	10/24/94[30]	---	---	---	---	---	---	---	---	---	---	---	---	---
	11/6/95	Abandoned	---	---	---	---	---	---	---	---	---	---	---	---
MW-2A	11/6/95	GTEL	8010	<1.0	---	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND
	4/26/96	GTEL	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.8	ND[36]
	10/10/96	GTEL	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.8	ND
	4/22/97	GTEL	8010	<2.5	---	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<4.0	ND

Table 2. Analytical Results for Groundwater - Halogenated Volatile Organic Compounds - Former Chevron Asphalt Plant & Terminal #1001067, Emeryville, California

Well ID	Date Sampled	Analytical Lab	Analytical Method	1,1-DCE	1,2-DCE	t-1,2-DCE	c-1,2-DCE	1,1-DCA	1,1,1-TCA	TCE	PCE	CF	VC	Other HVOCs
				<----------					ppb					---------->
MW-1	4/14/89	CCAS	8010	<5.0	---	19	720	<5.0	<5.0	11	<5.0	<20	340	ND[1]
	7/31/89	CCAS	8010	6.8	---	54	2,600	2.7	7.2	57	<0.2	<1.0	760	ND[2]
	12/8/89	GTEL	8010	4.3	2,700	---	---	1.7	1.4	59	<0.5	<0.5	520	---
	3/21/90	GTEL	8010	7.1	7,000	---	---	2.1	1.1	130	<0.5	<0.5	1,100	---
	6/19/90	GTEL	8010	12	6,100	---	---	3.1	<0.5	81	<0.5	<0.5	1,200	---
	9/21/90	GTEL	8010	1.8	2,400	---	---	2.2	1.7	60	<0.5	<0.5	1,100	ND[3]
	12/28/90	SAL	8010	2.0	---	28	1,500	1.0	0.6	15	<0.5	<0.5	510	ND[4]
	5/10/91	SAL	8010	10	---	69	5,500	2.0	<0.5	280	<0.5	<0.5	1,800	ND[5]
	8/8/91	SAL	8010	2.9	---	45	2,300	1.5	<0.5	110	<0.5	<0.5	<1.0	ND[6]
	11/27/91	SPA	8010	<25	---	<25	5,900	<25	<25	<25	<25	<25	540	ND[20]
	1/29/92	SPA	8010	<25	---	26	1,900	<25	<25	<25	<25	<25	320	ND[20]
	3/26/92	SPA	8010	<50	---	<50	1,500	<50	<50	<50	<50	<50	260	ND[21]
	7/23/92	SPA	8010	<50	---	<50	2,300	<50	<50	<50	<50	<50	170	ND[21]
	10/28/92	SPA	8010	4.2	---	30	1,600	3.6	<0.5	16	<0.5	<0.5	810	ND
	5/4/93	SPA	8010	1.0	---	16	670	0.5	<0.5	9.2	<0.5	<0.5	110	ND[18]
	1/5/94[24]	---	---	---	---	---	---	---	---	---	---	---	---	---
	5/13/94[27]	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	4/14/89	CCAS	8010	<0.2	<0.2	---	---	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	---
	7/31/89	CCAS	8010	<0.2	<0.2	---	---	<0.4	0.5	<0.2	<0.2	<1.0	<0.2	---
	12/8/89	GTEL	8010	<0.2	<0.5	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	---
	3/21/90	GTEL	8010	<0.2	<0.5	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	---
	6/19/90	GTEL	8010	<0.2	<0.5	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	---
	9/21/90	GTEL	8010	<0.2	<0.5	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	---
	12/28/90	SAL	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	---
	5/10/91	SAL	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	8/8/91	SAL	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	11/27/91	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	1/29/92	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	3/26/92	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	7/23/92	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND[18]
	10/28/92	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	5/4/93[24]	---	---	---	---	---	---	---	---	---	---	---	---	---
	1/5/94[24]	---	---	---	---	---	---	---	---	---	---	---	---	---
	5/13/94[28]	---	---	---	---	---	---	---	---	---	---	---	---	---
	10/24/94[30]	---	---	---	---	---	---	---	---	---	---	---	---	---
	11/6/95	Abandoned	---	---	---	---	---	---	---	---	---	---	---	---
MW-2A	11/6/95	GTEL	8010	<1.0	---	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND
	4/26/96	GTEL	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.8	ND[36]
	10/10/96	GTEL	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.8	ND
	4/22/97	GTEL	8010	<2.5	---	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<4.0	ND

Table 2. Analytical Results for Groundwater - Halogenated Volatile Organic Compounds - Former Chevron Asphalt Plant & Terminal #1001067, Emeryville, California (continued)

Well ID	Date Sampled	Analytical Lab	Analytical Method	1,1-DCE	1,2-DCE	t-1,2-DCE	c-1,2-DCE	1,1-DCA	1,1,1-TCA	TCE	PCE	CF	VC	Other HVOCs
				ppb										
MW-2 (cont)	10/16/97	GTEL	8260	<1.0	---	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<0.5	ND
	5/4/98	Sequoia	8010	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	ND
MW-3	4/14/89	CCAS	8010	<0.2	<0.2	---	---	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	---
	7/31/89	CCAS	8010	<0.2	<0.2	---	---	<0.4	0.5	<0.2	<0.2	<1.0	<0.2	---
	12/8/89	GTEL	8010	<0.2	<0.5	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	---
	3/21/90	GTEL	8010	<0.2	<0.5	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	---
	6/19/90	GTEL	8010	<0.2	<0.5	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	---
	9/21/90	GTEL	8010	<0.2	<0.5	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	---
	12/28/90	SAL	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	---
	5/10/91	SAL	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	8/8/91	SAL	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	11/27/91	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	1/29/92	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	3/26/92	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND[18]
	7/23/92	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	10/28/92	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	5/4/93[24]	---	---	---	---	---	---	---	---	---	---	---	---	---
	1/5/94[24]	---	---	---	---	---	---	---	---	---	---	---	---	---
	5/13/94[27]	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	4/14/89[7]	CCAS	8010	<1.0	<1.0	---	---	2.0	<1.0	<1.0	<1.0	<2.0	<1.0	---
MW-5	4/14/89[7]	CCAS	8010	<1.0	<1.0	---	---	2.0	<1.0	<1.0	<1.0	<2.0	<1.0	---
MW-6	4/14/89[7]	CCAS	8010	<1.0	<1.0	---	---	2.0	<1.0	<1.0	<1.0	<2.0	<1.0	---
MW-7	4/14/89	CCAS	8010	<1.0	<1.0	---	---	1.0	1.0	<1.0	<1.0	<2.0	<1.0	---
	7/31/89	CCAS	8010	<0.1	0.3	---	---	0.3	4.5	<0.1	<0.1	<0.5	<0.1	ND[8]
(D)	7/31/89	GTEL	8010	<0.1	0.4	---	---	0.2	2.6	<0.1	<0.1	<0.5	<0.1	ND[4]
	12/8/89	GTEL	8010	<0.2	<0.5	---	---	<0.5	0.67	<0.5	<0.5	<0.5	<1.0	---
	3/21/90	GTEL	8010	<0.2	<0.5	---	---	<0.5	1.4	<0.5	<0.5	<0.5	<1.0	---
	6/19/90	GTEL	8010	<0.2	<0.5	---	---	<0.5	0.67	<0.5	<0.5	<0.5	<1.0	---
	9/21/90	GTEL	8010	<0.2	<0.5	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	---
	12/28/90	SAL	8010	<0.5	---	<0.5	<0.5	<0.5	0.9	<0.5	<0.5	<0.5	<1.0	---
	5/10/91	SAL	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	8/8/91	SAL	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	11/27/91	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	1/29/92	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	3/26/92	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND[18]
	7/23/92	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	10/28/92	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	5/4/93[24]	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 2. Analytical Results for Groundwater - Halogenated Volatile Organic Compounds - Former Chevron Asphalt Plant & Terminal #1001067, Emeryville, California (continued)

Well ID	Date Sampled	Analytical Lab	Analytical Method	1,1-DCE	1,2-DCE	t-1,2-DCE	c-1,2-DCE	1,1-DCA	1,1,1-TCA	TCE	PCE	CF	VC	Other HVOCs
		<----				ppb					---->			
MW-7 (cont)	1/5/94[24]	---	---	---	---	---	---	---	---	---	---	---	---	---
	5/13/94	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND[29]
	10/24/94	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND[29]
	4/19/95	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND[18]
	11/6/95	GTEL	8010	<1.0	---	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND
	4/26/96	GTEL	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.8	ND[26]
	10/10/96	GTEL	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND
	4/22/97	GTEL	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.8	ND
	10/16/97	GTEL	8260	<1.0	---	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<0.5	ND
	5/4/98	**Sequoia**	**8010**	**<0.50**	**---**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0-.50**	**<1.0**	**ND**
MW-8	4/14/89	CCAS	8010	<1.0	<1.0	---	---	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	---
	7/31/89	CCAS	8010	<0.1	---	0.6	1.9	1.7	1.7	0.4	<0.1	<0.5	1.2	ND
	12/8/89	GTEL	8010	<0.2	0.53	---	---	<0.5	0.84	<0.5	<0.5	<0.5	<1.0	---
	3/21/90	GTEL	8010	<0.2	0.96	---	---	<0.5	0.72	<0.5	<0.5	<0.5	<1.0	---
	6/19/90	GTEL	8010	<0.2	0.59	---	---	<0.5	0.67	<0.5	<0.5	<0.5	<1.0	---
	9/21/90	GTEL	8010	<0.2	<0.5	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	---
	12/28/90	SAL	8010	<0.5	---	<0.5	<0.5	<0.5	2.0	<0.5	<0.5	<0.5	<1.0	---
	5/10/91	SAL	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	8/8/91	SAL	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	11/27/91	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	1/29/92	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	3/26/92	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	7/23/92	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND[18]
	10/28/92[23]	---	---	---	---	---	---	---	---	---	---	---	---	---
	5/4/93[24]	---	---	---	---	---	---	---	---	---	---	---	---	---
	1/5/94[24]	---	---	---	---	---	---	---	---	---	---	---	---	---
	5/13/94	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND[29]
	10/24/94[28]	---	---	---	---	---	---	---	---	---	---	---	---	---
	4/19/95[28]	---	---	---	---	---	---	---	---	---	---	---	---	---
	11/6/95	Inaccessible	---	---	---	---	---	---	---	---	---	---	---	---
	4/26/96	Inaccessible	---	---	---	---	---	---	---	---	---	---	---	---
	10/10/96	Inaccessible	---	---	---	---	---	---	---	---	---	---	---	---
	4/22/97	GTEL	8010	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.8	ND
	10/16/97	GTEL	8260	<1.0	---	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<0.5	ND
	5/4/98	**Sequoia**	**8010**	**<0.50**	**---**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**ND**
MW-9	5/10/91[9]	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-10	4/14/89	CCAS	8010	<1.0	15	---	---	2.0	<1.0	5.0	<1.0	<2.0	<1.0	---
	7/31/89	CCAS	8010	0.7	---	6.3	27	2.9	<0.1	5.3	<0.1	<0.5	<0.1	ND

Table 2. Analytical Results for Groundwater - Halogenated Volatile Organic Compounds - Former Chevron Asphalt Plant & Terminal #1001067, Emeryville, California (continued)

Well ID	Date Sampled	Analytical Lab	Analytical Method	1,1-DCE	1,2-DCE	t-1,2-DCE	c-1,2-DCE	1,1-DCA	1,1,1-TCA	TCE	PCE	CF	VC	Other HVOCs
		<----				ppb					---->			
MW-10 (cont)	12/8/89	GTEL	8010	<0.2	24	---	---	3.1	<0.5	4.9	<0.5	0.6	<1.0	---
	3/21/90	GTEL	8010	0.7	30	---	---	2.5	<0.5	3.5	<0.5	<0.5	<1.0	---
	6/19/90	GTEL	8010	0.3	33	---	---	2.6	<0.5	6.3	<0.5	<0.5	<1.0	---
	9/21/90	GTEL	8010	<0.2	32	---	---	5.0	<0.5	5.9	<0.5	<0.5	<1.0	---
	12/28/90	SAL	8010	<0.5	---	6.0	19	2.0	<0.5	5.0	<0.5	<0.5	<1.0	---
	5/10/91	SAL	8010	0.6	---	7.0	24	2.0	<0.5	6.0	<0.5	<0.5	<1.0	ND
	8/8/91	SAL	8010	<0.5	---	7.0	33	3.1	<0.5	6.2	<0.5	<0.5	<1.0	ND
	11/27/91	SPA	8010	<0.5	---	6.8	100	<0.5	<0.5	8.5	<0.5	<0.5	<1.0	ND
	1/29/92	SPA	8010	<0.5	---	9.1	30	2.8	<0.5	7.4	<0.5	<0.5	<1.0	ND
	3/26/92	SPA	8010	0.7	---	9.2	29	2.5	<0.5	6.8	<0.5	<0.5	<1.0	ND
	7/23/92	SPA	8010	<0.5	---	6.1	21	1.5	<0.5	4.7	<0.5	<0.5	<0.5	ND[18]
	10/28/92	SPA	8010	<0.5	---	4.3	16	2.1	<0.5	4.1	<0.5	<0.5	<1.0	ND
	5/4/93[24]	---	---	---	---	---	---	---	---	---	---	---	---	---
	1/5/94	SPA	8010	<0.5	---	1.3	5.2	0.5	1.0	0.8	<0.5	<0.5	<1.0	ND[18]
	5/13/94	SPA	8010	<0.5	---	12	31	2.7	<0.5	4.8	<0.5	<0.5	<0.5	ND[29]
	10/24/94[33]	SPA	8010	<10	---	13	44	<10	<10	<10	<10	<10	<10	ND[31,33]
	4/19/95	SPA	8010	0.7	---	14	36	<0.5	<0.5	9.2	<0.5	<0.5	<0.5	ND[18]
	11/6/95	GTEL	8010	1.0	---	19	41	1.4	<1.0	14	<1.0	<1.0	<1.0	ND
	4/26/96	Inaccessible	---	---	---	---	---	---	---	---	---	---	---	---
	10/10/96	GTEL	8010	0.7	---	17	38	0.8	<0.5	14	<0.5	<0.5	<0.8	ND
	4/22/97	GTEL	8010	<0.5	---	12	27	0.5	<0.5	13	<0.5	<0.5	<0.8	ND
	10/16/97	GTEL	8260	<1.0	---	11	23	<1.0	<1.0	<10	<1.0	<1.0	0.7	ND
	5/4/98	**Sequoia**	**8010**	**<0.50**	**---**	**6.5**	**16**	**<0.50**	**<0.50**	**7.6**	**<0.50**	**<0.50**	**<1.0**	**ND**
MW-11	4/14/89	CCAS	8010	<1.0	120	---	---	<1.0	<1.0	4.0	<1.0	<2.0	10	---
	7/31/89	CCAS	8010	0.9	---	40	110	2.2	1.4	2.9	<0.2	<0.2	<0.2	ND
	12/8/89	GTEL	8010	0.5	120	---	---	2.1	1.2	4.1	<0.5	<0.5	2.4	---
	3/21/90	GTEL	8010	1.3	150	---	---	1.2	1.7	3.5	<0.5	<0.5	4.3	ND[10]
	6/19/90	GTEL	8010	0.068	140	---	---	1.3	<0.5	5.0	<0.5	<0.5	1.0	---
	9/21/90	GTEL	8010	<0.2	100	---	---	1.1	<0.5	3.8	<0.5	<0.5	<1.0	---
	12/28/90	SAL	8010	<0.5	---	23	43	0.9	0.7	3.0	<0.5	<0.5	<1.0	---
	5/10/91	SAL	8010	0.9	---	44	110	0.5	<0.5	5.0	<0.5	<0.5	<1.0	ND
	8/8/91	SAL	8010	<0.5	---	29	77	0.9	<0.5	2.4	<0.5	<0.5	<1.0	ND
	11/27/91	SPA	8010	<0.5	---	34	240	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	1/29/92	SPA	8010	<5.0	---	33	91	<5.0	<5.0	<5.0	<5.0	<5.0	<10	ND
	3/26/92	SPA	8010	<2.5	---	21	51	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	ND
	7/23/92	SPA	8010	<0.5	---	18	46	0.6	<0.5	1.4	<0.5	<0.5	<0.5	ND[18]
	10/28/92	SPA	8010	0.5	---	36	80	<0.5	<0.5	4.6	<0.5	<0.5	<1.0	ND
	5/4/93[24]	---	---	---	---	---	---	---	---	---	---	---	---	---
	1/5/94[24]	---	---	---	---	---	---	---	---	---	---	---	---	---
	5/13/94	SPA	8010	<0.5	---	62	82	<0.5	<0.5	7.9	<0.5	<0.5	1.7	ND[29]
	10/24/94[33]	SPA	8010	<10	---	28	75	<10	<10	<10	<10	<10	<10	ND[31,33]

Table 2. Analytical Results for Groundwater - Halogenated Volatile Organic Compounds - Former Chevron Asphalt Plant & Terminal #1001067, Emeryville, California (continued)

Well ID	Date Sampled	Analytical Lab	Analytical Method	1,1-DCE	1,2-DCE	t-1,2-DCE	c-1,2-DCE	1,1-DCA	1,1,1-TCA	TCE	PCE	CF	VC	Other HVOCs
				ppb										
MW-11 (cont)	4/19/95	SPA	8010	<0.5	---	18	39	<0.5	<0.5	6.5	<0.5	1.0	<0.5	ND[24]
	11/6/95	Inaccessible	---	---	---	---	---	---	---	---	---	---	---	---
	4/26/96	Inaccessible	---	---	---	---	---	---	---	---	---	---	---	---
	10/10/96	Inaccessible	---	---	---	---	---	---	---	---	---	---	---	---
	4/22/97	GTEL	8010	<0.5	---	4.7	12	<0.5	<0.5	3.0	<0.5	<0.5	<0.8	ND
	10/16/97	GTEL	8260	<1.0	---	5.1	24	<1.0	<1.0	<10	<1.0	<1.0	3.7	ND
	5/4/98	**Sequoia**	**8010**	**<0.50**	**---**	**4.2**	**12**	**<0.50**	**<0.50**	**2.8**	**<0.50**	**<0.50**	**<1.0**	**ND**
MW-12	4/14/89	CCAS	8010	<1.0	1.0	---	---	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	---
	7/31/89	CCAS	8010	<0.1	1.7	---	---	<0.1	<0.1	0.8	<0.1	<0.5	<0.1	ND
	12/8/89	GTEL	8010	<0.2	<0.5	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	---
	3/21/90	GTEL	8010	<0.2	<0.5	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	---
	6/19/90	GTEL	8010	<0.2	<0.5	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	---
	9/21/90	GTEL	8010	<0.2	<0.5	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	---
	12/28/90	SAL	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	---
	5/10/91	SAL	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	8/8/91	SAL	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.9	<1.0	ND
	11/27/91	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	1/29/92	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	3/26/92	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	7/23/92[22]	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-13	3/21/90	GTEL	8010	<0.2	<0.5	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	---
	6/19/90	GTEL	8010	<0.2	<0.5	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	---
	9/20/90	GTEL	8010	<0.2	<0.5	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	---
	12/28/90	SAL	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND[11]
	5/10/91	SAL	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	8/8/91	SAL	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	11/27/91	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	1/29/92	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	3/26/92	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND[18]
	7/23/92	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	10/28/92	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	5/4/93[24]	---	---	---	---	---	---	---	---	---	---	---	---	---
	1/5/94[24]	---	---	---	---	---	---	---	---	---	---	---	---	---
	5/13/94	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND[29]
	10/24/94	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND[29]
	4/19/95	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND[18]
	11/6/95	GTEL	8010	<1.0	---	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND
	4/26/96	GTEL	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.8	ND[36]
	10/10/96	Inaccessible	---	---	---	---	---	---	---	---	---	---	---	---
	4/22/97	GTEL	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.8	ND

Table 2. Analytical Results for Groundwater - Halogenated Volatile Organic Compounds - Former Chevron Asphalt Plant & Terminal #1001067, Emeryville, California (continued)

Well ID	Date Sampled	Analytical Lab	Analytical Method	1,1-DCE	1,2-DCE	t-1,2-DCE	c-1,2-DCE	1,1-DCA	1,1,1-TCA	TCE	PCE	CF	VC	Other HVOCs
		<----				ppb								---->
MW-13 (cont)	10/16/97	GTEL	8260	<1.0	---	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<0.5	ND
	5/4/98	**Sequoia**	**8010**	**<0.50**	**---**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**ND**
MW-14	3/21/90	GTEL	8010	<2.0	<0.5	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	---
	6/19/90	GTEL	8010	<2.0	<0.5	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	---
	9/20/90	GTEL	8010	<2.0	<0.5	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	---
	12/28/90	SAL	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	---
	5/10/91	SAL	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	8/8/91	SAL	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	11/27/91	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	1/29/92	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	3/26/92	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	7/23/92	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND[18]
	10/28/92	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	5/4/93[25]	Abandoned	---	---	---	---	---	---	---	---	---	---	---	---
MW-15	3/21/90	GTEL	8010	<0.2	<0.5	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	---
	6/19/90	GTEL	8010	<0.2	<0.5	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	---
	9/20/90	GTEL	8010	<0.2	<0.5	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	---
	12/28/90	SAL	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	---
	5/10/91	SAL	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND[12]
	8/8/91	SAL	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	11/27/91	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	1/29/92	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	3/26/92	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	7/23/92	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND[18]
	10/28/92	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	5/4/93[24]	---	---	---	---	---	---	---	---	---	---	---	---	---
	1/5/94[24]	---	---	---	---	---	---	---	---	---	---	---	---	---
	5/13/94	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND[29]
	10/24/94	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	3.1	<0.5	3.8	<0.5	ND[29]
	4/19/95	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND[18]
	11/6/95	GTEL	8010	<1.0	---	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND
	4/26/96	GTEL	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.8	ND[36]
	10/10/96	GTEL	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.8	ND
	4/22/97	GTEL	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.8	ND
	10/16/97	GTEL	8260	<1.0	---	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<0.5	ND
	5/4/98	**Sequoia**	**8010**	**<0.50**	**---**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**ND**
MW-16	3/21/90	GTEL	8010	<0.2	0.8	---	---	<0.5	<0.5	27	8.0	2.0	<1.0	---
	6/19/90	GTEL	8010	<0.2	<0.5	---	---	<0.5	<0.5	35	7.0	2.0	<1.0	---
	9/20/90	GTEL	8010	<0.2	0.9	---	---	<0.5	<0.5	49	15	4.1	<1.0	---

Table 2. Analytical Results for Groundwater - Halogenated Volatile Organic Compounds - Former Chevron Asphalt Plant & Terminal #1001067, Emeryville, California (continued)

Well ID	Date Sampled	Analytical Lab	Analytical Method	1,1-DCE	1,2-DCE	t-1,2-DCE	c-1,2-DCE	1,1-DCA	1,1,1-TCA	TCE	PCE	CF	VC	Other HVOCs
				ppb										
MW-16 (cont)	12/28/90	SAL	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	29	18	4.0	<1.0	ND[13]
	5/10/91	SAL	8010	<0.5	---	<0.5	0.5	<0.5	<0.5	32	10	4.0	<1.0	ND
	8/8/91	SAL	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	35	13	1.9	<1.0	ND
	11/27/91	SPA	8010	<0.5	---	<0.5	1.3	<0.5	<0.5	47	12	1.8	<1.0	ND[15]
	1/29/92	SPA	8010	<0.5	---	<0.5	0.9	<0.5	<0.5	31	11	1.8	<1.0	ND
	3/26/92	SPA	8010	<0.8	---	<0.8	<0.8	<0.8	<0.8	24	8.5	1.7	<1.7	ND[19]
	7/23/92	SPA	8010	<0.5	---	<0.5	0.9	<0.5	<0.5	37	12	1.0	<0.5	ND[18]
	10/28/92	SPA	8010	<0.5	---	<0.5	1.7	<0.5	<0.5	39	14	1.1	<1.0	ND
	5/4/93	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	32	10	1.1	<1	ND[18]
	1/5/94[24]	---	---	---	---	---	---	---	---	---	---	---	---	---
	5/13/94[27]	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-17	3/21/90	GTEL	8010	<0.2	5.2	---	---	0.7	1.3	32	11	1.1	<1.0	---
	6/19/90	GTEL	8010	<0.2	3.1	---	---	<0.5	1.0	38	13	1.2	<1.0	---
	9/20/90	GTEL	8010	<0.2	2.4	---	---	<0.5	1.4	44	16	2.8	<1.0	---
	12/28/90	SAL	8010	<0.5	---	<0.5	2.0	<0.5	0.6	34	15	2.0	<1.0	---
	5/10/91	SAL	8010	<0.5	---	<0.5	3.0	<0.5	0.6	37	14	1.0	<1.0	ND
	8/8/91	SAL	8010	<0.5	---	<0.5	2.5	<0.5	<0.5	69	15	0.9	<1.0	ND
	11/27/91	SPA	8010	<0.5	---	<0.5	13	<0.5	<0.5	59	14	2.4	<1.0	ND
	1/29/92	SPA	8010	<0.5	---	<0.5	2.9	<0.5	0.8	35	15	1.1	<1.0	ND
	3/26/92	SPA	8010	<0.5	---	<0.5	1.5	<0.5	0.7	41	12	0.6	<1.0	ND
	7/23/92	SPA	8010	<0.5	---	<0.5	1.1	<0.5	<0.5	31	14	0.8	<0.5	ND[18]
	10/28/92	SPA	8010	<0.5	---	<0.5	1.6	<0.5	<0.5	42	11	0.8	<1.0	ND
	5/4/93	SPA	8010	<0.5	---	<0.5	1.1	<0.5	<0.5	26	12	0.6	<1.0	ND[18]
	1/5/94	SPA	8010	<0.5	---	<0.5	1.1	<0.5	<0.5	25	13	0.8	<1.0	ND[18]
	5/13/94	SPA	8010	<0.5	---	<0.5	1.0	<0.5	0.6	23	13	<0.5	<0.5	ND[29]
	10/24/94	SPA	8010	<0.5	---	<0.5	1.4	<0.5	<0.5	26	13	<0.5	<0.5	ND[29]
	4/19/95	SPA	8010	<0.5	---	<0.5	0.9	<0.5	1.1	21	12	1.2	<0.5	ND[18]
	11/6/95	GTEL	8010	<1.0	---	<1.0	1.1	<1.0	<1.0	29	13	<1.0	<1.0	ND
	4/26/96	GTEL	8010	<0.5	---	<0.5	0.8	<0.5	1.2	24	11	0.6	<0.8	ND[36]
	10/10/96	GTEL	8010	<0.5	---	<0.5	1.5	<0.5	0.9	31	15	0.6	<0.8	ND
	4/22/97	GTEL	8010	<0.5	---	<0.5	1.2	<0.5	1.7	21	11	<0.5	<0.8	ND
	10/16/97	GTEL	8260	<1.0	---	<1.0	1.1	<1.0	1.2	21	7.9	<1.0	<0.5	ND
	5/4/98	**Sequoia**	**8010**	**<0.50**	**---**	**<0.50**	**1.4**	**<0.50**	**2.1**	**20**	**11**	**0.58**	**<1.0**	**ND**
MW-18	3/21/90	GTEL	8010	<0.2	1.7	---	---	<0.5	2.4	33	20	0.9	<1.0	---
	6/19/90	GTEL	8010	<0.2	2.7	---	---	<0.5	0.9	63	20	0.73	<1.0	---
	9/20/90	GTEL	8010	<0.2	3.3	---	---	<0.5	1.6	76	25	1.7	<1.0	---
	12/28/90	SAL	8010	<0.5	---	<0.5	2.0	<0.5	0.8	44	21	1.0	<1.0	---
	5/10/91	SAL	8010	<0.5	---	<0.5	2.0	<0.5	0.7	47	20	2.0	<1.0	ND
	8/8/91	SAL	8010	<0.5	---	<0.5	2.0	<0.5	0.7	32	25	1.0	<1.0	ND
	11/27/91	SPA	8010	<0.5	---	<0.5	3.6	<0.5	0.5	60	18	1.5	<1.0	ND
	1/29/92	SPA	8010	<5.0	---	<5.0	<5.0	<5.0	<5.0	67	17	<5.0	<10	ND

Table 2. Analytical Results for Groundwater - Halogenated Volatile Organic Compounds - Former Chevron Asphalt Plant & Terminal #1001067, Emeryville, California (continued)

Well ID	Date Sampled	Analytical Lab	Analytical Method	1,1-DCE	1,2-DCE	t-1,2-DCE	c-1,2-DCE	1,1-DCA	1,1,1-TCA	TCE	PCE	CF	VC	Other HVOCs
				ppb										
MW-18 (cont)	3/26/92	SPA	8010	<1.2	---	<1.2	6.4	<1.2	<1.2	130	19	1.7	<2.5	ND
	7/23/92	SPA	8010	<0.5	---	<0.5	3.0	<0.5	0.5	67	19	0.8	<0.5	ND[18]
	10/28/92	SPA	8010	<0.5	---	<0.5	1.1	<0.5	<0.5	52	14	0.8	<1.0	ND
	5/4/93	SPA	8010	<0.5	---	<0.5	1.9	<0.5	0.7	48	18	2.5	<1.0	ND[26]
	1/5/94	SPA	8010	<0.5	---	<0.5	4.0	<0.5	0.8	94	17	1.0	<1.0	ND[18]
	5/13/94	SPA	8010	<0.5	---	<0.5	0.8	<0.5	0.8	16	15	0.8	<0.5	ND[29]
	10/27/94	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	22	15	1.2	<0.5	ND[29]
	4/19/95	SPA	8010	<0.5	---	<0.5	2.2	<0.5	1.3	46	14	1.1	<0.5	ND[35]
	11/6/95	GTEL	8010	<1.0	---	<1.0	1.8	<1.0	1.2	45	18	<1.0	<1.0	ND
	4/26/96	GTEL	8010	<0.5	---	0.9	2.8	<0.5	3.0	31	17	0.6	<0.8	ND[36]
	10/10/96[27]	---	---	---	---	---	---	---	---	---	---	---	---	---
	4/22/97	GTEL	8010	<0.5	---	<0.5	1.7	<0.5	3.2	26	15	<0.5	<0.8	ND
	10/16/97	GTEL	8260	<1.0	---	<1.0	1.0	<1.0	2.2	25	11	<1.0	<0.5	ND
	5/4/98	**Sequoia**	**8010**	**1.1**	**---**	**1.7**	**4.5**	**2.5**	**3.1**	**40**	**<1.0**	**<1.0**	**<2.0**	**ND**
MW-19	3/21/90	GTEL	8010	<0.2	10	---	---	<0.5	2.5	41	53	3.2	<1.0	---
	6/19/90	GTEL	8010	<0.2	13	---	---	<0.5	1.5	46	47	2.8	<1.0	---
	9/20/90	GTEL	8010	<0.2	5.8	---	---	<0.5	2.5	39	32	3.1	<1.0	---
	12/28/90	SAL	8010	<0.5	---	0.8	22	<0.5	1.0	40	44	3.0	<1.0	---
	5/10/91	SAL	8010	<0.5	---	2.0	12	<0.5	1.0	47	47	3.0	<1.0	ND
	8/8/91	SAL	8010	<0.5	---	1.1	4.8	<0.5	1.1	41	35	2.8	<1.0	ND
	11/27/91	SPA	8010	<0.5	---	1.9	29	<0.5	0.9	59	31	2.7	<1.0	ND
	1/29/92	SPA	8010	<5.0	---	<5.0	8.9	<5.0	<5.0	51	44	3.0	<10	ND
	3/26/92	SPA	8010	<1.2	---	1.7	23	<1.2	1.5	68	130	1.4	<2.5	ND[17]
	7/23/92	SPA	8010	1.1	---	1.4	5.6	<0.5	1.0	61	38	3.3	<0.5	ND[18]
	10/28/92	SPA	8010	<0.5	---	0.9	5.3	<0.5	1.1	46	24	2.2	<1.0	ND
	5/4/93	SPA	8010	<0.5	---	2.5	8.7	0.5	1.1	69	32	3.9	<1.0	ND[18]
	1/5/94	SPA	8010	<0.5	---	1.7	1.7	<0.5	16	49	46	<0.5	<1.0	ND[18]
	5/13/94	SPA	8010	<0.5	---	1.8	22	<0.5	0.7	40	58	<0.5	<0.5	ND[29]
	10/24/94[33]	SPA	8010	<50	---	110	54	<50	<50	98	300	<50	<50	ND[32,33]
	4/19/95	SPA	8010	<0.5	---	<0.5	65	<0.5	<0.5	130	670	<0.5	<0.5	ND[18]
	11/6/95	Abandoned	---	---	---	---	---	---	---	---	---	---	---	---
MW-19A	11/6/95	GTEL	8010	1.0	---	<1.0	110	<1.0	<1.0	160	1,500	<1.0	<1.0	ND
	4/26/96	GTEL	8010	<5.0	---	<5.0	140	<5.0	<5.0	200	990	<5.0	<8.0	ND[27]
	10/10/96	GTEL	8010	<10	---	<10	110	<10	<10	150	1,500	<10	<16	ND
	4/22/97	GTEL	8010	<5.0	---	7.1	85	9.1	<5.0	150	830	<5.0	<8.0	ND
	10/16/97	GTEL	8260	1.6	---	6.9	100	5.5	<1.0	130	660	<1.0	4.2	ND[36]
	5/4/98	**Sequoia**	**8010**	**<10**	**---**	**13**	**80**	**<10**	**<10**	**230**	**500**	**<10**	**<20**	**ND**
Trip Blank AA	4/14/89	CCAS	8010	<1.0	<0.5	---	---	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	---
	7/31/89	CCAS	8010	<0.1	<0.5	---	---	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1	---

Table 2. Analytical Results for Groundwater - Halogenated Volatile Organic Compounds - Former Chevron Asphalt Plant & Terminal #1001067, Emeryville, California (continued)

Well ID	Date Sampled	Analytical Lab	Analytical Method	1,1-DCE	1,2-DCE	t-1,2-DCE	c-1,2-DCE	1,1-DCA	1,1,1-TCA	TCE	PCE	CF	VC	Other HVOCs
		<				ppb								>
AA (cont)	12/8/89	GTEL	8010	<0.2	<0.5	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	---
	3/21/90	GTEL	8010	<0.2	<0.5	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	---
	3/26/90	GTEL	8010	<0.2	<0.5	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	---
	6/19/90	GTEL	8010	<0.2	<0.5	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	---
	9/21/90	GTEL	8010	<0.2	<0.5	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	---
	12/28/90	SAL	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	---
	5/10/91	SAL	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	8/8/91	SAL	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND[14]
	11/27/91	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND[16]
	1/29/92	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	3/26/92	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	7/23/92	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND[18]
	10/28/92	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	5/4/93	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	ND[18]
	11/6/95	GTEL	8010	<1.0	---	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND
Bailer Blank BB	5/10/91	SAL	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	8/8/91	SAL	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	11/27/91	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND[16]
	1/29/92	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	3/26/92	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	7/23/92	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND[18]
	10/28/92	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
	5/4/93	SPA	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	ND[18]

Table 2. Analytical Results for Groundwater - Halogenated Volatile Organic Compounds - Former Chevron Asphalt Plant & Terminal #1001067, Emeryville, California (continued)

EXPLANATION:

1,1-DCE = 1,1-Dichloroethene
1,2-DCE = 1,2-Dichloroethene
t-1,2-DCE = trans-1,2-Dichloroethene
c-1,2-DCE = cis-1,2-Dichloroethene
1,1-DCA = 1,1-Dichloroethane
1,1,1-TCA = 1,1,1-Trichloroethane
TCE = Trichloroethene
PCE = Tetrachloroethene
CF = Chloroform
VC = Vinyl Chloride
Other HVOCs = Other Halogenated Volatile Organic Compounds
ppb = Parts per billion
--- = Not analyzed/not applicable
ND = Not detected at detection limits of 0.5 to 1 ppb
D = Duplicate analysis

ANALYTICAL METHOD:

HVOCs = EPA Method 8010 for Halogenated Volatile Organic Compounds

ANALYTICAL LABORATORIES:

CCAS = Coast to Coast Analytical Services of San Luis Obispo, California
GTEL = Groundwater Technologies Environmental Laboratory of Concord, California
SAL = Superior Analytical Laboratory of Martinez and San Francisco, California
SPA = Superior Precision Analytical, Inc. of Martinez and San Francisco, California

NOTES:

Analytical results prior to April 19, 1995, were compiled from the quarterly groundwater monitoring reports prepared for Chevron by Sierra Environmental Services.

[1] 6 ppb 1,2-dichloropropane detected; other HVOCs not detected.
[2] 0.6 ppb 1,2-dichloroethane detected; other HVOCs not detected.
[3] 63 ppb chloromethane and 0.6 ppb methylene chloride detected; other HVOCs not detected; sample contained 1,250 ppb total dissolved solids.

NOTES: (continued)

[4] 0.9 ppb trans-1,3-dichloropropane detected; other HVOCs not detected; sample contained 810 ppb total dissolved solids.
[5] 0.9 ppb trichlorofluoromethane and 1 ppb trans-1,3-dichloropropane detected; other HVOCs not detected.
[6] 11 ppb trans-1,3-dichloropropane detected; other HVOCs not detected.
[7] Monitoring well was destroyed during excavation in 1989.
[8] 0.1 ppb 1,2-dichlorobenzene detected; other HVOCs not detected.
[9] Well MW-9 was not sampled after 5/10/91 because it could not be located. Previous analytic data were not available for inclusion in this report.
[10] 1.8 ppb 1,2-dichloroethane detected; other HVOCs not detected
[11] 3 ppb 1,1,2,2-tetrachloroethane detected; other HVOCs not detected.
[12] 0.9 ppb 1,2-dichlorobenzene detected; other HVOCs not detected.
[13] 0.5 ppb 1,2-dichloroethane detected; other HVOCs not detected.
[14] 3.1 ppb 1,2-dichlorobenzene detected; other HVOCs not detected.
[15] 0.9 ppb 1,2-dichloroethane detected; other HVOCs not detected.
[16] Trace concentrations of trihalomethane compounds detected in bailer blank.
[17] 1,1,2,2-Tetrachloroethane detected at 1.8 ppb; other HVOCs not detected at detection limits of 1.2 to 2.5 ppb.
[18] Other HVOCs not detected at detection limit of 0.5 ppb.
[19] Other HVOCs not detected at detection limits ranging from 0.8 to 1.7 ppb.
[20] Other HVOCs not detected at detection limits of 25 ppb.
[21] Other HVOCs not detected at detection limits of 50 ppb.
[22] Well MW-12 could not be located after building demolition.
[23] Well MW-8 was obstructed, therefore ground water samples could not be taken.
[24] Monitoring well obstructed due to on-site construction activities.
[25] Monitoring well abandoned on March 10, 1993 by Soils Expoloration Services of Benicia, California.
[26] Dichloromethane detected at 6.2 ppb; other HVOCs not detected at detection limits of 0.5 ppb.
[27] Well paved over as a result of on-site construction activities.
[28] Well obstructed.
[29] Other HVOCs not detected at detection limits of 0.5 to 1.0 ppb.
[30] Well was dry.
[31] Other HVOCs not detected at detection limits of 10 to 20 ppb.
[32] Other HVOCs not detected at detection limits of 50 to 100 ppb.
[33] Detection limits raised due to sample dilution.
[34] Chloromethane was detected at 2.4 ppb. Other HVOCs not detected at detection limits of 0.5 ppb.
[35] Chloromethane was detected at 0.6 ppb. Other HVOCs not detected at detection limits of 0.5 ppb.
[36] Other HVOCs not detected at detection limits of 0.5 to 5.0 ppb.
[37] Other HVOCs not detected at detection limits of to 5.0 to 50 ppb.
[38] Laboratory report indicates 1,1,2,2-Tetrachloroethane was detected at 3.8 ppb. Reported values for cis-1,2-dichloroethene; trichloroethene and tetrachloroethene are from 50X dilution sample re-analysis.
[39] Other HVOCs not detected at detection limits of 1.0 to 2.0 ppb.
[40] Other HVOCs not detected at detection limits of 10 to 100 ppb.

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

Gettler-Ryan Inc. field personnel adhere to the following procedures for the collection and handling of groundwater samples prior to analysis by the analytical laboratory. Prior to sample collection, the type of analysis to be performed is determined. Loss prevention of volatile compounds is controlled and sample preservation for subsequent analysis is maintained.

Prior to sampling, the presence or absence of free-phase hydrocarbons is determined using a MMC flexi-dip interface probe. Product thickness, if present, is measured to the nearest 0.01 foot and is noted in the field notes. In addition, static water level measurements are collected with the interface probe and are also recorded in the field notes.

After water levels are collected and prior to sampling, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, suction, Grundfos), or polyvinyl chloride bailers. Temperature, pH and electrical conductivity are measured a minimum of three times during the purging. Purging continues until these parameters stabilize.

Groundwater samples are collected using Chevron-designated disposable bailers. The water samples are transferred from the bailer into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used when possible. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler, maintained at 4°C for transport to the laboratory. Once collected in the field, all samples are maintained under chain of custody until delivered to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected, and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory supplied trip blank accompanies each sampling set. For sampling sets greater than 20 samples, 5% trip blanks are included. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.

As requested by Chevron Products Company, the purge water and decontamination water generated during sampling activities is transported by IWM to McKittrick Waste Management located in McKittrick, California.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Chevron Facility # 1001067 Job#: 5161.80

Address: Powell @ Landregan Date: 5-4-9E

City: Emeryville, CA Sampler: F.Cline

Well ID MW-2A Well Condition: clear

Well Diameter 2" in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 12' ft.

Depth to Water 3.54 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66	6" = 1.50	12" = 5.80

8.46 X VF 0.17 = 1.4 X 3 (case volume) = Estimated Purge Volume: 4.3 (gal.)

Purge Equipment: (Disposable Bailer) ~~Bailer~~ Stack Suction Grundfos Other:

Sampling Equipment: (Disposable Bailer) ~~Bailer~~ Pressure Bailer Grab Sample Other:

Starting Time: 1541 Weather Conditions: clear warming

Sampling Time: 1549 Water Color: Clear Odor: No

Purging Flow Rate: 0.8 gpm. Sediment Description: NC

Did well de-water? NC If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1543	1.5	7.27	2530	19.7			
1545	3.0	2.30	2430	19.8			
1547	4.5	2.28	2420	19.8			
1549	5.0	2.29	2430	19.8			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-2A	3 x 40ml/VOA	Y	HCL	~~NEI/GTEL~~ SEQ	TPH-Gas/BTEX/MTBE
MW-2A	3x40ml VOA	Y	HCL	NEI/GTEL SEQ	8010

COMMENTS:

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Chevron Facility #1001067 Job#: 5161.80

Address: Powell @ Landregan Date: 5-4-92

City: Emeryville, CA Sampler: F.Cline

Well ID MW-7 Well Condition: clay

Well Diameter 3" in. Hydrocarbon Thickness: C in. Amount Bailed (product/water): C (gal.)

Total Depth 14' ft.

Depth to Water 4.42 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66	6" = 1.50	12" = 5.80

9.58 X VF 0.38 = 3.6 X 3 (case volume) = Estimated Purge Volume: 10.9 (gal.)

Purge Equipment: (Bailer)
Disposable Bailer
Bailer
Stack
Suction
Grundfos
Other:

Sampling Equipment: (Disposable Bailer)
Disposable Bailer
Bailer
Pressure Bailer
Grab Sample
Other:

Starting Time: 13:18

Sampling Time: 13:26

Purging Flow Rate: 1.8 gpm.

Did well de-water?

Weather Conditions: cloudy windy

Water Color: clear Odor: N/a

Sediment Description: N/C

If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1320	3.6	6.89	2230	18.2			
1322	7.2	6.91	2150	17.8			
13:24	10.8	6.90	2170	17.9			
13:26	11.0	6.86	2160	17.8			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-7	3 x 40m/VOA	Y	HCL	NEI/GTEL	TPH-Gas/BTEX/MTBE
MW-7		Y	HCL	NEI/GTEL	8010

COMMENTS:

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Chevron Facility # 1001067 Job#: 5161.80

Address: Powell @ Landregan Date: 5-4-98

City: Emeryville, CA Sampler: F.Cline

Well ID MW-8 Well Condition: okay casing bent

Well Diameter 3" in. Hydrocarbon Thickness: C in. Amount Bailed (product/water): C (gal.)

Total Depth 16.15 ft.

Depth to Water 5.55 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66	6" = 1.50	12" = 5.80

10.60 X VF 0.38 = 4.0 X 3 (case volume) = Estimated Purge Volume: 12.08 (gal.)

Purge Equipment: Disposable Bailer, Bailer, ~~Stack~~, ~~Suction~~, Grundfos, Other:

Sampling Equipment: ~~Disposable Bailer~~, Bailer, Pressure Bailer, Grab Sample, Other:

Starting Time: 14:17 Weather Conditions: Cloudy cool

Sampling Time: 1425 Water Color: Odor:

Purging Flow Rate: 2 gpm. Sediment Description:

Did well de-water? If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
14:19	4	6.95	232C	18.1			
1421	8	7.03	242C	18.0			
1423	12	7.05	242C	18.1			
1425	13	7.04	239C	18.0			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-8	3 x 40m/VOA	Y	HCL	~~NEI/GTEL~~ SEQ	TPH-Gas/BTEX/MTBE
MW-8	3 x 40m/VOA	Y	HCL	~~NEI/GTEL~~ SEQ	8010

COMMENTS:

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WELL MONITORING/SAMPLING
FIELD DATA SHEET

Chevron Facility # 1001067 Job#: 5161.80

Address: Powell @ Landregan Date: 5-4-98

City: Emeryville, CA Sampler: E.Cline

Well ID MW-10 Well Condition: okay

Well Diameter 4" in. Hydrocarbon Thickness: C in. Amount Bailed (product/water): C (gal.)

Total Depth 20' ft.

Depth to Water 5.01 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66	6" = 1.50	12" = 5.80

14.99 X VF 0.66 = 9.9 X 3 (case volume) = Estimated Purge Volume: 29.6 (gal.)

Purge Equipment: Disposable Bailer; Bailer; (Stack); Suction; Grundfos; Other:

Sampling Equipment: (Disposable Bailer); Bailer; Pressure Bailer; Grab Sample; Other:

Starting Time: 14:55 Weather Conditions: okay

Sampling Time: 15:10 Water Color: clear Odor: none

Purging Flow Rate: 2 gpm. Sediment Description: NK

Did well de-water? NO If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1500	10	7.38	2580	16.5			
1505	20	7.39	2420	16.2			
1510	30	7.35	2410	16.4			
1512	31	7.38	2435				

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-10	3 x 40m/VOA	Y	HCL	~~NEI/GTEL~~ SEQ	TPH-Gas/BTEX/MTBE
MW-10	3x40m/VOA	Y	HCL	~~NEI/GTEL~~ SEQ	8010

COMMENTS:

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WELL MONITORING/SAMPLING
FIELD DATA SHEET

Chevron Facility # 1001067 Job#: 5161.80

Address: Powell @ Landregan Date: 5-4-9E

City: Emeryville, CA Sampler: F.Cline

Well ID MW-11 Well Condition: clear

Well Diameter 4" in. Hydrocarbon Thickness: 0 in. Amount Bailed: 0 (product/water): (gal.)

Total Depth 18' ft.

Depth to Water 5.52 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66	6" = 1.50	12" = 5.80

12.48 X VF 0.66 = 8.2 X 3 (case volume) = Estimated Purge Volume: 24 (gal.)

Purge Equipment: Disposable Bailer / Bailer / (Stack) / Suction / Grundfos / Other:

Sampling Equipment: (Disposable Bailer) / Bailer / Pressure Bailer / Grab Sample / Other:

Starting Time: 14:30 Weather Conditions: Cloudy Breezy

Sampling Time: 14:44 Water Color: clear Odor: n/a

Purging Flow Rate: 2 gpm. Sediment Description: None

Did well de-water? NC If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
14:34	8	7.38	245C	17.8			
14:38	8 16	7.48	232C	18.1C			
14:42	12 24	7.53	230C	18.1C			
14:44	25	7.50	228C	18.1			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-11	3 x 40m/VOA	Y	HCL	NEI/GTEL	TPH-Gas/BTEX/MTBE
MW-11	3x40m/VOA	Y	HCL	NEI/GTEL	8010

COMMENTS:

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WELL MONITORING/SAMPLING
FIELD DATA SHEET

Chevron Facility # 1001067 Job#: 5161.80

Address: Powell @ Landregan Date: 5-4-98

City: Emeryville, CA Sampler: F.Cline

Well ID MW-13 Well Condition: okay

Well Diameter 3" in. Hydrocarbon Thickness: — in. Amount Bailed (product/water): — (gal.)

Total Depth 15' ft.

Depth to Water 6.21 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

9.79 X VF 0.38 = 3.7 X 3 (case volume) = Estimated Purge Volume: 11.16 (gal.)

Purge Equipment: Disposable Bailer; Bailer; ~~Stack~~; Suction; Grundfos; Other:

Sampling Equipment: (Disposable Bailer); ~~Bailer~~; Pressure Bailer; Grab Sample; Other:

Starting Time: 13:53 Weather Conditions: cloudy cool

Sampling Time: 1401 Water Color: clear Odor: None

Purging Flow Rate: 1.8 gpm. Sediment Description: N/a

Did well de-water? No If yes; Time: — Volume: — (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
13:55	3.6	6.85	2350	17.5			
1357	7.2	6.96	2280	18.0			
13:59	10.8	6.90	2290	18.2			
1401	11.0	6.92	2290	18.0			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-13	3 x 40m/VOA	Y	HCL	NEI/GTEL	TPH-Gas/BTEX/MTBE
MW-13	1 l	Y	HCL	NEI/GTEL	8010

COMMENTS:

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Chevron Facility # 1001067 Job#: 5161.80

Address: Powell @ Landregan Date: 5-4-9E

City: Emeryville, CA Sampler: F.Cline

Well ID MW-15 Well Condition: clear

Well Diameter 4" ~~2~~ in. Hydrocarbon Thickness: ~~0~~ in. Amount Bailed (product/water): ~~0~~ (gal.)

Total Depth 7' ft.

Depth to Water 3.99 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

3.01 X VF 0.66 = 1.98 X 3 (case volume) = Estimated Purge Volume: 5.96 (gal.)

Purge Equipment:
Disposable Bailer
Bailer
(Stack)
~~Suction~~
Grundfos
Other:

Sampling Equipment:
(Disposable Bailer)
~~Bailer~~
Pressure Bailer
Grab Sample
Other:

Starting Time: 15:29 Weather Conditions: cloudy cool

Sampling Time: 1534 Water Color: clear Odor: None

Purging Flow Rate: 2 gpm. Sediment Description: None

Did well de-water? NC If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
15:30	2	7.60	2530	17.8			
1531	4	7.57	2420	18.2			
1532	6	7.58	2430	18.0			
1534	7	7.57	2420	18.0			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-15	3 x 40ml/VOA	Y	HCL	~~NET/GTEL~~ SEQ	TPH-Gas/BTEX/MTBE
MW-15	3x40ml/VOA	Y	HCL	~~NET/GTEL~~ SEQ	8010

COMMENTS:

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Chevron Facility # 1001067 Job#: 5161.80

Address: Powell @ Landregan Date: 5-4-98

City: Emeryville, CA Sampler: F.Cline

Well ID MW-17 Well Condition: okay

Well Diameter 2" in. Hydrocarbon Thickness: ~~—~~ in. Amount Bailed (product/water): ~~—~~ (gal.)

Total Depth 12' ft.

Depth to Water 5.28 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

6.72 X VF 0.17 = 1.14 X 3 (case volume) = Estimated Purge Volume: 3.43 (gal.)

Purge Equipment: (Disposable Bailer) ~~Bailer~~ Stack Suction Grundfos Other: ____

Sampling Equipment: (Disposable Bailer) Bailer Pressure Bailer Grab Sample Other: ____

Starting Time: 16:51 Weather Conditions: cloudy

Sampling Time: 16:57 Water Color: ____ Odor: ____

Purging Flow Rate: 0.16 gpm. Sediment Description: ____

Did well de-water? NO If yes; Time: ____ Volume: ____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
16:53	1.2	6.84	2120	16.9			
16:55	2.4	6.75	2030	16.8			
16:57	3.6	6.77	2000	16.9			
			~~2050~~				

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-17	3 x 40m/VOA	Y	HCL	~~NEI/GTEL~~ SEQ	TPH-Gas/BTEX/MTBE
MW-17	3x40ml/VOA	Y	HCL	~~NEI/GTEL~~ SEQ	8010

COMMENTS: ____

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Chevron Facility # 1001067 Job#: 5161.80

Address: Powell @ Landregan Date: 5-4-98

City: Emeryville, CA Sampler: E.Cline

Well ID MW-18 Well Condition: okay

Well Diameter 2" in. Hydrocarbon Thickness: — in. Amount Bailed: — (product/water): ____ (gal.)

Total Depth 11' ft.

Depth to Water 4.91 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

6.09 X VF 0.17 = 1.04 X 3 (case volume) = Estimated Purge Volume: 3.11 (gal.)

Purge Equipment:
- (Disposable Bailer)
- Bailer
- Stack
- Suction
- Grundfos
- Other: ____

Sampling Equipment:
- (Disposable Bailer)
- Bailer
- Pressure Bailer
- Grab Sample
- Other: ____

Starting Time: 1613 Weather Conditions: cloudy cool

Sampling Time: 1623 Water Color: clear Odor: ~~slight~~ none

Purging Flow Rate: 0.5 gpm. Sediment Description: none

Did well de-water? NO If yes; Time: ____ Volume: ____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1619	1	6.93	2120	17.0			
1621	2	6.90	2030	16.9			
1623	3	6.90	2040	16.9			
			~~20~~				

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-18	3 x 40ml/VOA	Y	HCL	~~NEI/GTEL~~ SEQ	TPH-Gas/BTEX/MTBE
MW-18	3x40ml/VOA	Y	HCL	~~NEI/GTEL~~ SEQ	8010

COMMENTS: ____

9/97-fieldst.frm

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Chevron Facility # 1001067 Job#: 5161.80

Address: Powell @ Landregan Date: 6-4-9E

City: Emeryville, CA Sampler: F.Cline

Well ID MW-19A Well Condition: Okay

Well Diameter 2" in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 15' ft.

Depth to Water 4.03 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

10.97 X VF 0.17 = 1.86 X 3 (case volume) = Estimated Purge Volume: 5.59 (gal.)

Purge Equipment: Disposable Bailer; Bailer; (Stack); ~~Suction~~; Grundfos; Other:

Sampling Equipment: (Disposable Bailer); ~~Bailer~~; Pressure Bailer; Grab Sample; Other:

Starting Time: 17:00 Weather Conditions: Cloudy (CCC)

Sampling Time: 1706 Water Color: Clear Odor: None

Purging Flow Rate: 2 gpm. Sediment Description: None

Did well de-water? No If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1702	2	7.69	2580	16.8			
1703	4	7.68	2630	16.7			
1704	6	7.68	2700	16.8			
1706	7	7.67	2640	16.7			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-19A	3 x 40ml/VOA	Y	HCL	~~NEI/GTEL~~ SEQ	TPH-Gas/BTEX/MTBE
MW-19A	3 x 40ml/VOA	Y	HCL	~~NEI/GTEL~~ SEQ	8010

COMMENTS:

Fax copy of Lab Report and COC to Chevron Contact: ☐ No

Chain-of-Custody-Record

Chevron U.S.A. Inc.
P.O. BOX 5004
San Ramon, CA 94583
FAX (415)842-9591

Chevron Facility Number: Former Chevron Facility #1001067
Facility Address: Powell & Landregan, Emeryville, CA
Consultant Project Number: 5161
Consultant Name: Gettler-Ryan
Address: 6747 Sierra Ct, Ste J, Dublin 94568
Project Contact (Name): Deanna Harding
(Phone): 551-7555 (Fax Number): 551-7888

Chevron Contact (Name): Ms. Tammy Hodge
(Phone): (510) 842-9449
Laboratory Name: ~~NEI/GTEL~~ ~~GTEL~~ ~~[illegible]~~
Laboratory Service Order # ~~9038352~~ 9065101
Samples Collected by (Name): Frank Cline
Collection Date: 5-4-98
Signature: [signature]

Analyses To Be Performed: 9805160/161

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	TPH Gas + BTEX w/MTBE (8015) (8020)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)						Remarks
TB-LB	01	2	W	TB	—	HCl	Y	X													DO NOT BILL TB-LB ANALYSIS
MW-15	02	6	↓	G	1539	↓	↓	X			X										Confirm highest hit of (8020)-MTBE by ≥ 8260 5/12 54
MW-17	03	↓	↓	↓	1633	↓	↓	X			X										
MW-18	04	↓	↓	↓	1623	↓	↓	X			X										
MW-7	05	↓	↓	↓	1329	↓	↓	X			X										
MW-13	06	↓	↓	↓	1401	↓	↓	X			X										
MW-8	07	↓	↓	↓	1420	↓	↓	X			X										
MW-11	08	↓	↓	↓	1444	↓	↓	X			X										
MW-10	09	↓	↓	↓	1513	↓	↓	X			X										
MW-2A	10	↓	↓	↓	1549	↓	↓	X			X										
MW-19A	11	↓	↓	↓	1706	↓	↓	X			X										

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
[signature]	G-R Inc.	5-5-98 / 0800	D. Harding	G-R Inc.	5/5/98
D. Harding	GR	5/5/98	[signature]	SEQUOIA	5.5.98 1045
[signature]	SEQUOIA	5.5.98	Received For Laboratory By (Signature): [signature]		5/5/98 1254

Turn Around Time (Circle Choice)
24 Hrs.
48 Hrs.
5 Days
10 Days
(As Contracted) — circled

GC-3.DWG/03 91/MCH

Sequoia Analytical

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

REPORT

Gettler Ryan/Geostrategies	Client Proj. ID: Chevron 1001067	Sampled: 05/04/98
6747 Sierra Court Suite J	Sample Descript: TB-LB	Received: 05/05/98
Dublin, CA 94568	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 05/07/98
Attention: Deanna Harding	Lab Number: 9805160-01	Reported: 05/18/98

QC Batch Number: GC050798BTEX06A
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	81

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

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager

Sequoia Analytical

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Gettler Ryan/Geostrategies	Client Proj. ID: Chevron 1001067	Sampled: 05/04/98
6747 Sierra Court Suite J	Sample Descript: MW-2A	Received: 05/05/98
Dublin, CA 94568	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 05/10/98
Attention: Deanna Harding	Lab Number: 9805160-10	Reported: 05/18/98

QC Batch Number: GC051098BTEX03A
Instrument ID: GCHP03

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**50**	**96**
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:		
Unidentified HC		**C6-C10**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	108

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

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager

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Gettler Ryan/Geostrategies	Client Proj. ID: Chevron 1001067	Sampled: 05/04/98
6747 Sierra Court Suite J	Sample Descript: MW-2A	Received: 05/05/98
Dublin, CA 94568	Matrix: LIQUID	
	Analysis Method: EPA 8010	Analyzed: 05/14/98
Attention: Deanna Harding	Lab Number: 9805160-10	Reported: 05/18/98

QC Batch Number: GC051498OVOA24A
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	103

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

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager

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Gettler Ryan/Geostrategies	Client Proj. ID: Chevron 1001067	Sampled: 05/04/98
6747 Sierra Court Suite J	Sample Descript: MW-7	Received: 05/05/98
Dublin, CA 94568	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 05/07/98
Attention: Deanna Harding	Lab Number: 9805160-05	Reported: 05/18/98

QC Batch Number: GC050798BTEX06A
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	81

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

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
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Gettler Ryan/Geostrategies	Client Proj. ID: Chevron 1001067	Sampled: 05/04/98
6747 Sierra Court Suite J	Sample Descript: MW-7	Received: 05/05/98
Dublin, CA 94568	Matrix: LIQUID	
	Analysis Method: EPA 8010	Analyzed: 05/14/98
Attention: Deanna Harding	Lab Number: 9805160-05	Reported: 05/18/98

QC Batch Number: GC051398OVOA24A
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	115

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

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager

Sequoia Analytical

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Gettler Ryan/Geostrategies	Client Proj. ID: Chevron 1001067	Sampled: 05/04/98
6747 Sierra Court Suite J	Sample Descript: MW-8	Received: 05/05/98
Dublin, CA 94568	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 05/07/98
Attention: Deanna Harding	Lab Number: 9805160-07	Reported: 05/18/98

QC Batch Number: GC050798BTEX06A
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	78

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

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager

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Gettler Ryan/Geostrategies	Client Proj. ID: Chevron 1001067	Sampled: 05/04/98
6747 Sierra Court Suite J	Sample Descript: MW-8	Received: 05/05/98
Dublin, CA 94568	Matrix: LIQUID	
	Analysis Method: EPA 8010	Analyzed: 05/14/98
Attention: Deanna Harding	Lab Number: 9805160-07	Reported: 05/18/98

QC Batch Number: GC051398OVOA24A
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	120

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

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager

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Gettler Ryan/Geostrategies	Client Proj. ID: Chevron 1001067	Sampled: 05/04/98
6747 Sierra Court Suite J	Sample Descript: MW-10	Received: 05/05/98
Dublin, CA 94568	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 05/07/98
Attention: Deanna Harding	Lab Number: 9805160-09	Reported: 05/18/98

QC Batch Number: GC050798BTEX06A
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**	-
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

Mike Gregory
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Gettler Ryan/Geostrategies	Client Proj. ID: Chevron 1001067	Sampled: 05/04/98
6747 Sierra Court Suite J	Sample Descript: MW-10	Received: 05/05/98
Dublin, CA 94568	Matrix: LIQUID	
	Analysis Method: EPA 8010	Analyzed: 05/13/98
Attention: Deanna Harding	Lab Number: 9805160-09	Reported: 05/18/98

QC Batch Number: GC051398OVOA24B
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**	**16**
trans-1,2-Dichloroethene	**0.50**	**6.5**
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**	**7.6**
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	70	130	121

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

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
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Gettler Ryan/Geostrategies	Client Proj. ID: Chevron 1001067	Sampled: 05/04/98
6747 Sierra Court Suite J	Sample Descript: MW-11	Received: 05/05/98
Dublin, CA 94568	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 05/07/98
Attention: Deanna Harding	Lab Number: 9805160-08	Reported: 05/18/98

QC Batch Number: GC050798BTEX06A
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**	-
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	81

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

SEQUOIA ANALYTICAL - ELAP #1210

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Gettler Ryan/Geostrategies	Client Proj. ID: Chevron 1001067	Sampled: 05/04/98
6747 Sierra Court Suite J	Sample Descript: MW-11	Received: 05/05/98
Dublin, CA 94568	Matrix: LIQUID	
	Analysis Method: EPA 8010	Analyzed: 05/14/98
Attention: Deanna Harding	Lab Number: 9805160-08	Reported: 05/18/98

QC Batch Number: GC051398OVOA24A
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**	**12**
trans-1,2-Dichloroethene	**0.50**	**4.2**
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**	**2.8**
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	70	130	112

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

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
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Gettler Ryan/Geostrategies	Client Proj. ID: Chevron 1001067	Sampled: 05/04/98
6747 Sierra Court Suite J	Sample Descript: MW-13	Received: 05/05/98
Dublin, CA 94568	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 05/07/98
Attention: Deanna Harding	Lab Number: 9805160-06	Reported: 05/18/98

QC Batch Number: GC050798BTEX06A
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	82

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

SEQUOIA ANALYTICAL - ELAP #1210

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Gettler Ryan/Geostrategies	Client Proj. ID: Chevron 1001067	Sampled: 05/04/98
6747 Sierra Court Suite J	Sample Descript: MW-13	Received: 05/05/98
Dublin, CA 94568	Matrix: LIQUID	
	Analysis Method: EPA 8010	Analyzed: 05/14/98
Attention: Deanna Harding	Lab Number: 9805160-06	Reported: 05/18/98

QC Batch Number: GC051398OVOA24A
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	128

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

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
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Gettler Ryan/Geostrategies	Client Proj. ID: Chevron 1001067	Sampled: 05/04/98
6747 Sierra Court Suite J	Sample Descript: MW-15	Received: 05/05/98
Dublin, CA 94568	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 05/07/98
Attention: Deanna Harding	Lab Number: 9805160-02	Reported: 05/18/98

QC Batch Number: GC050798BTEX06A
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	77

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

SEQUOIA ANALYTICAL - ELAP #1210

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Gettler Ryan/Geostrategies	Client Proj. ID: Chevron 1001067	Sampled: 05/04/98
6747 Sierra Court Suite J	Sample Descript: MW-15	Received: 05/05/98
Dublin, CA 94568	Matrix: LIQUID	
	Analysis Method: EPA 8010	Analyzed: 05/13/98
Attention: Deanna Harding	Lab Number: 9805160-02	Reported: 05/18/98

QC Batch Number: GC051398OVOA24A
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	114

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

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
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Gettler Ryan/Geostrategies	Client Proj. ID: Chevron 1001067	Sampled: 05/04/98
6747 Sierra Court Suite J	Sample Descript: MW-17	Received: 05/05/98
Dublin, CA 94568	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 05/07/98
Attention: Deanna Harding	Lab Number: 9805160-03	Reported: 05/18/98

QC Batch Number: GC050798BTEX06A
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	85

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

SEQUOIA ANALYTICAL - ELAP #1210

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Gettler Ryan/Geostrategies	Client Proj. ID: Chevron 1001067	Sampled: 05/04/98
6747 Sierra Court Suite J	Sample Descript: MW-17	Received: 05/05/98
Dublin, CA 94568	Matrix: LIQUID	
	Analysis Method: EPA 8010	Analyzed: 05/14/98
Attention: Deanna Harding	Lab Number: 9805160-03	Reported: 05/18/98

QC Batch Number: GC051398OVOA24A
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**	**0.58**
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**	**1.4**
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**	**11**
1,1,1-Trichloroethane	**0.50**	**2.1**
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	**0.50**	**20**
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	70	130	114

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

SEQUOIA ANALYTICAL - ELAP #1210

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Gettler Ryan/Geostrategies	Client Proj. ID: Chevron 1001067	Sampled: 05/04/98
6747 Sierra Court Suite J	Sample Descript: MW-18	Received: 05/05/98
Dublin, CA 94568	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 05/07/98
Attention: Deanna Harding	Lab Number: 9805160-04	Reported: 05/18/98

QC Batch Number: GC050798BTEX06A
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**	-
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	84

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

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
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

Gettler Ryan/Geostrategies	Client Proj. ID: Chevron 1001067	Sampled: 05/04/98
6747 Sierra Court Suite J	Sample Descript: MW-18	Received: 05/05/98
Dublin, CA 94568	Matrix: LIQUID	
	Analysis Method: EPA 8010	Analyzed: 05/14/98
Attention: Deanna Harding	Lab Number: 9805160-04	Reported: 05/18/98

QC Batch Number: GC051498OVOA24A
Instrument ID: GCHP24_2

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	1.0	N.D.
Bromoform	1.0	N.D.
Bromomethane	2.0	N.D.
Carbon Tetrachloride	1.0	N.D.
Chlorobenzene	1.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethylvinyl ether	2.0	N.D.
Chloroform	1.0	N.D.
Chloromethane	2.0	N.D.
Dibromochloromethane	1.0	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	**1.0**	**2.5**
1,2-Dichloroethane	1.0	N.D.
1,1-Dichloroethene	**1.0**	**1.1**
cis-1,2-Dichloroethene	**1.0**	**4.5**
trans-1,2-Dichloroethene	**1.0**	**1.7**
1,2-Dichloropropane	1.0	N.D.
cis-1,3-Dichloropropene	1.0	N.D.
trans-1,3-Dichloropropene	1.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	1.0	N.D.
Tetrachloroethene	1.0	N.D.
1,1,1-Trichloroethane	**1.0**	**3.1**
1,1,2-Trichloroethane	1.0	N.D.
Trichloroethene	**1.0**	**40**
Trichlorofluoromethane	1.0	N.D.
Vinyl chloride	2.0	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	70	130	80

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

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager

Sequoia Analytical

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Gettler Ryan/Geostrategies	Client Proj. ID: Chevron 1001067	Sampled: 05/04/98
6747 Sierra Court Suite J	Sample Descript: MW-19A	Received: 05/05/98
Dublin, CA 94568	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 05/12/98
Attention: Deanna Harding	Lab Number: 9805161-11	Reported: 05/18/98

QC Batch Number: GC051298BTEX06A
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**	**200**
Methyl t-Butyl Ether	**2.5**	**-**
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		
Unidentified HC		**C6-C8**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	158 Q

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

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager

Sequoia Analytical

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Gettler Ryan/Geostrategies	Client Proj. ID: Chevron 1001067	Sampled: 05/04/98
6747 Sierra Court Suite J	Sample Descript: MW-19A	Received: 05/05/98
Dublin, CA 94568	Matrix: LIQUID	
	Analysis Method: EPA 8260	Analyzed: 05/15/98
Attention: Deanna Harding	Lab Number: 9805161-11	Reported: 05/18/98

QC Batch Number: MS051398MTBEH6A
Instrument ID: H6

Methyl t-Butyl Ether (MTBE)

Analyte	Detection Limit ug/L	Sample Results ug/L
Methyl t-Butyl Ether	2.0	N.D.

Surrogates	Control Limits %		% Recovery
1,2-Dichloroethane-d4	76	114	89

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

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager

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Gettler Ryan/Geostrategies	Client Proj. ID: Chevron 1001067	Sampled: 05/04/98
6747 Sierra Court Suite J	Sample Descript: MW-19A	Received: 05/05/98
Dublin, CA 94568	Matrix: LIQUID	
	Analysis Method: EPA 8010	Analyzed: 05/13/98
Attention: Deanna Harding	Lab Number: 9805161-11	Reported: 05/18/98

QC Batch Number: GC041298OVOA24A
Instrument ID: GCHP24_2

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	10	N.D.
Bromoform	10	N.D.
Bromomethane	20	N.D.
Carbon Tetrachloride	10	N.D.
Chlorobenzene	10	N.D.
Chloroethane	20	N.D.
2-Chloroethylvinyl ether	20	N.D.
Chloroform	10	N.D.
Chloromethane	20	N.D.
Dibromochloromethane	10	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	10	N.D.
1,2-Dichloroethane	10	N.D.
1,1-Dichloroethene	10	N.D.
cis-1,2-Dichloroethene	**10**	**80**
trans-1,2-Dichloroethene	**10**	**13**
1,2-Dichloropropane	10	N.D.
cis-1,3-Dichloropropene	10	N.D.
trans-1,3-Dichloropropene	10	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	10	N.D.
Tetrachloroethene	**10**	**500**
1,1,1-Trichloroethane	10	N.D.
1,1,2-Trichloroethane	10	N.D.
Trichloroethene	**10**	**230**
Trichlorofluoromethane	10	N.D.
Vinyl chloride	20	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

Mike Gregory
Project Manager

Sequoia Analytical

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Gettler Ryan/Geostrategies	Client Proj. ID: Chevron 1001067	Received: 05/05/98
6747 Sierra Court Suite J		
Dublin, CA 94568	Lab Proj. ID: 9805160	Reported: 05/18/98
Attention: Deanna Harding		

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 26 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

TPGBMW: Sample 160-4,8,9 have chlorinated hydrocarbon pattern, need GCMS confirmation of MTBE.

8010: 4-BFB surrogate is reported.

SEQUOIA ANALYTICAL

Mike Gregory
Project Manager

Sequoia Analytical

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Gettler Ryan/Geostrategies
6747 Sierra Court, Suite J
Dublin, CA 94568
Attention: Deanna Harding

Client Project ID: Chevron 1001067

QC Sample Group: 9805160-01-09

Reported: May 18, 1998

QUALITY CONTROL DATA REPORT

Matrix: Liquid
Method: EPA 8015/8020
Analyst: G. PESHINA

ANALYTE	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX as TPH
QC Batch #:	GC050798BTEX06A				
Sample No.:	GS9804J67-16				
Date Prepared:	5/7/98	5/7/98	5/7/98	5/7/98	5/7/98
Date Analyzed:	5/7/98	5/7/98	5/7/98	5/7/98	5/7/98
Instrument I.D.#:	GCHP6	GCHP6	GCHP6	GCHP6	GCHP6
Sample Conc., ug/L:	N.D.	N.D.	N.D.	N.D.	N.D.
Conc. Spiked, ug/L:	10	10	10	30	60
Matrix Spike, ug/L:	9.2	9.0	9.1	28	46
% Recovery:	92	90	91	93	77
Matrix Spike Duplicate, ug/L:	8.9	8.6	8.7	26	44
% Recovery:	89	86	87	87	73
Relative % Difference:	3.3	4.5	4.5	6.7	5.3
RPD Control Limits:	0-25	0-25	0-25	0-25	0-25

LCS Batch#:	GWBLK050798A				
Date Prepared:	5/7/98	5/7/98	5/7/98	5/7/98	5/7/98
Date Analyzed:	5/7/98	5/7/98	5/7/98	5/7/98	5/7/98
Instrument I.D.#:	GCHP6	GCHP6	GCHP6	GCHP6	GCHP6
Conc. Spiked, ug/L:	10	10	10	30	60
LCS Recovery, ug/L:	9.1	8.8	8.9	27	44
LCS % Recovery:	91	88	89	90	73

Percent Recovery Control Limits:

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

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

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.

SEQUOIA ANALYTICAL

Mike Gregory
Project Manager

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Gettler Ryan/Geostrategies
6747 Sierra Court, Suite J
Dublin, CA 94568
Attention: Deanna Harding

Client Project ID: Chevron 1001067

QC Sample Group: 9805160-10

Reported: May 18, 1998

QUALITY CONTROL DATA REPORT

Matrix: Liquid
Method: EPA 8015/8020
Analyst: A. Miraftab

ANALYTE	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX as TPH
QC Batch #:	GC051098BTEX03A				
Sample No.:	GW9805219-6				
Date Prepared:	5/10/98	5/10/98	5/10/98	5/10/98	5/10/98
Date Analyzed:	5/10/98	5/10/98	5/10/98	5/10/98	5/10/98
Instrument I.D.#:	GCHP3	GCHP3	GCHP3	GCHP3	GCHP3
Sample Conc., ug/L:	N.D.	N.D.	N.D.	N.D.	N.D.
Conc. Spiked, ug/L:	10	10	10	30	60
Matrix Spike, ug/L:	10	10	10	31	68
% Recovery:	100	100	100	103	113
Matrix Spike Duplicate, ug/L:	9.3	9.3	9.3	28	62
% Recovery:	93	93	93	93	103
Relative % Difference:	7.3	7.3	7.3	10	9.3
RPD Control Limits:	0-25	0-25	0-25	0-25	0-25

LCS Batch#:	GWBLK051098A				
Date Prepared:	5/10/98	5/10/98	5/10/98	5/10/98	5/10/98
Date Analyzed:	5/10/98	5/10/98	5/10/98	5/10/98	5/10/98
Instrument I.D.#:	GCHP3	GCHP3	GCHP3	GCHP3	GCHP3
Conc. Spiked, ug/L:	10	10	10	30	60
LCS Recovery, ug/L:	8.9	9.0	8.9	27	59
LCS % Recovery:	89	90	89	90	98

Percent Recovery Control Limits:

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

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

SEQUOIA ANALYTICAL

Mike Gregory
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.

Sequoia Analytical

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Gettler Ryan/Geostrategies
6747 Sierra Court, Suite J
Dublin, CA 94568
Attention: Deanna Harding

Client Project ID: Chevron 1001067

QC Sample Group: 9805160-04,10

Reported: May 18, 1998

QUALITY CONTROL DATA REPORT

Matrix: Liquid
Method: EPA 8010/8020, 601/602
Analyst: M. McLachlan

ANALYTE	1,1-DCE	TCE	Chlorobenzene	Benzene	Toluene	Chlorobenzene
QC Batch #:	GC0514980VOA24A					
Sample No.:	9805160-09					
Date Prepared:	5/13/98	5/13/98	5/13/98	5/13/98	5/13/98	5/13/98
Date Analyzed:	5/14/98	5/14/98	5/14/98	5/14/98	5/14/98	5/14/98
Instrument I.D.#:	gchp24	gchp24	gchp24	gchp24	gchp24	gchp24
Sample Conc., ug/L:	N.D.	7.6	N.D.	N.D.	N.D.	N.D.
Conc. Spiked, ug/L:	25	25	25	25	25	25
Matrix Spike, ug/L:	28	34	31	24	23	22
% Recovery:	112	106	124	96	92	88
Matrix Spike Duplicate, ug/L:	28	35	33	24	23	23
% Recovery:	112	110	132	96	92	92
Relative % Difference:	0.0	3.7	6.2	0.0	0.0	4.4
RPD Control Limits:	0-50	0-50	0-50	0-50	0-50	0-50

LCS Batch#:	VWBLK051498BS					
Date Prepared:	5/14/98	5/14/98	5/14/98	5/14/98	5/14/98	5/14/98
Date Analyzed:	5/14/98	5/14/98	5/14/98	5/14/98	5/14/98	5/14/98
Instrument I.D.#:	gchp24	gchp24	gchp24	gchp24	gchp24	gchp24
Conc. Spiked, ug/L:	25	25	25	25	25	25
Recovery, ug/L:	30	27	31	26	25	24
LCS % Recovery:	120	108	124	104	100	96

Percent Recovery Control Limits:

MS/MSD	65-135	70-130	70-130	70-130	70-130	70-130
LCS	65-135	70-130	70-130	70-130	70-130	70-130

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

SEQUOIA ANALYTICAL

Mike Gregory
Project Manager

Please Note:
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Gettler Ryan/Geostrategies
6747 Sierra Court, Suite J
Dublin, CA 94568
Attention: Deanna Harding

Client Project ID: Chevron 1001067

QC Sample Group: 9805160-02,03,05-08

Reported: May 18, 1998

QUALITY CONTROL DATA REPORT

Matrix: Liquid
Method: EPA 8010/8020, 601/602
Analyst: M. McLachlan

ANALYTE	1,1-DCE	TCE	Chlorobenzene	Benzene	Toluene	Chlorobenzene
QC Batch #:	GC0513980VOA24A					
Sample No.:	9805351-01					
Date Prepared:	5/12/98	5/12/98	5/12/98	5/12/98	5/12/98	5/12/98
Date Analyzed:	5/13/98	5/13/98	5/13/98	5/13/98	5/13/98	5/13/98
Instrument I.D.#:	gchp24	gchp24	gchp24	gchp24	gchp24	gchp24
Sample Conc., ug/L:	N.D.	2600	N.D.	N.D.	N.D.	N.D.
Conc. Spiked, ug/L:	2500	2500	2500	2500	2500	2500
Matrix Spike, ug/L:	2700	5000	3100	2400	2300	2300
% Recovery:	108	96	124	96	92	92
Matrix Spike Duplicate, ug/L:	2500	4900	3000	2300	2300	2200
% Recovery:	100	92	120	92	92	88
Relative % Difference:	7.7	4.3	3.3	4.3	0.0	4.4
RPD Control Limits:	0-50	0-50	0-50	0-50	0-50	0-50

LCS Batch#:	VWBLK051398BS					
Date Prepared:	5/13/98	5/13/98	5/13/98	5/13/98	5/13/98	5/13/98
Date Analyzed:	5/13/98	5/13/98	5/13/98	5/13/98	5/13/98	5/13/98
Instrument I.D.#:	gchp24	gchp24	gchp24	gchp24	gchp24	gchp24
Conc. Spiked, ug/L:	25	25	25	25	25	25
Recovery, ug/L:	26	24	29	24	23	22
LCS % Recovery:	104	96	116	96	92	88

Percent Recovery Control Limits:

MS/MSD	65-135	70-130	70-130	70-130	70-130	70-130
LCS	65-135	70-130	70-130	70-130	70-130	70-130

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

SEQUOIA ANALYTICAL

Mike Gregory
Project Manager

Please Note:
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Gettler Ryan/Geostrategies
6747 Sierra Court, Suite J
Dublin, CA 94568
Attention: Deanna Harding

Client Project ID: Chevron 1001067

QC Sample Group: 9805160-09

Reported: May 18, 1998

QUALITY CONTROL DATA REPORT

Matrix: Liquid
Method: EPA 8010/8020, 601/602
Analyst: M. McLachlan

ANALYTE	1,1-DCE	TCE	Chlorobenzene	Benzene	Toluene	Chlorobenzene
QC Batch #: GC0513980VOA24B						
Sample No.: 9805160-09						
Date Prepared:	5/13/98	5/13/98	5/13/98	5/13/98	5/13/98	5/13/98
Date Analyzed:	5/14/98	5/14/98	5/14/98	5/14/98	5/14/98	5/14/98
Instrument I.D.#:	gchp24	gchp24	gchp24	gchp24	gchp24	gchp24
Sample Conc., ug/L:	N.D.	7.6	N.D.	N.D.	N.D.	N.D.
Conc. Spiked, ug/L:	25	25	25	25	25	25
Matrix Spike, ug/L:	28	34	31	24	23	22
% Recovery:	112	106	124	96	92	88
Matrix Spike Duplicate, ug/L:	28	35	33	24	23	23
% Recovery:	112	110	132	96	92	92
Relative % Difference:	0.0	3.7	6.2	0.0	0.0	4.4
RPD Control Limits:	0-50	0-50	0-50	0-50	0-50	0-50

LCS Batch#: VWBLK051398BS						
Date Prepared:	5/13/98	5/13/98	5/13/98	5/13/98	5/13/98	5/13/98
Date Analyzed:	5/13/98	5/13/98	5/13/98	5/13/98	5/13/98	5/13/98
Instrument I.D.#:	gchp24	gchp24	gchp24	gchp24	gchp24	gchp24
Conc. Spiked, ug/L:	25	25	25	25	25	25
Recovery, ug/L:	26	24	29	24	23	22
LCS % Recovery:	104	96	116	96	92	88

Percent Recovery Control Limits:

MS/MSD	65-135	70-130	70-130	70-130	70-130	70-130
LCS	65-135	70-130	70-130	70-130	70-130	70-130

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

SEQUOIA ANALYTICAL

Mike Gregory
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.

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Gettler Ryan/Geostrategies
6747 Sierra Court, Suite J
Dublin, CA 94568
Attention: Deanna Harding

Client Project ID: Chevron 1001067

QC Sample Group: 9805161-11

Reported: May 18, 1998

QUALITY CONTROL DATA REPORT

Matrix:	Liquid
Method:	EPA 8015/8020
Analyst:	R. Geckler
ANALYTE	BTEX as TPH

QC Batch #:	GC051298BTEX06A
Sample No.:	GW9805222-6
Date Prepared:	5/12/98
Date Analyzed:	5/12/98
Instrument I.D.#:	GCHP6
Sample Conc., ug/L:	N.D.
Conc. Spiked, ug/L:	250
Matrix Spike, ug/L:	390
% Recovery:	156
Matrix Spike Duplicate, ug/L:	360
% Recovery:	144
Relative % Difference:	8.0
RPD Control Limits:	0-25

LCS Batch#:	WBLK051298A
Date Prepared:	5/12/98
Date Analyzed:	5/12/98
Instrument I.D.#:	GCHP6
Conc. Spiked, ug/L:	250
LCS Recovery, ug/L:	210
LCS % Recovery:	84

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

Mike Gregory
Project Manager

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Gettler Ryan/Geostrategies	Client Project ID:	Chevron 1001067		
6747 Sierra Court, Ste J	Matrix:	Liquid		
Dublin, CA 94568				
Attention: Deanna Harding	Work Order #:	9805161	-11	Reported: May 22, 1998

QUALITY CONTROL DATA REPORT

Analyte:	MTBE
QC Batch#:	MS051398MTBEH6A
Analy. Method:	EPA 8260
Prep. Method:	N.A.
Analyst:	M. Williams
MS/MSD #:	980544901
Sample Conc.:	N.D.
Prepared Date:	5/13/98
Analyzed Date:	5/13/98
Instrument I.D.#:	H6
Conc. Spiked:	50 µg/L
Result:	52
MS % Recovery:	104
Dup. Result:	53
MSD % Recov.:	106
RPD:	1.9
RPD Limit:	0-25

LCS #:	LCS051598
Prepared Date:	5/15/98
Analyzed Date:	5/15/98
Instrument I.D.#:	H6
Conc. Spiked:	50 µg/L
LCS Result:	43
LCS % Recov.:	86

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

SEQUOIA ANALYTICAL

Mike Gregory
Project Manager

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