Chevron

Chevron Products Company
6001 Bollinger Canyon Rd, Bldg L
PO Box 5004
San Ramon, CA 94583-0804

Site Assessment & Remediation
Phone (510) 842-9500
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February11,1998

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

Re: Former Chevron Asphalt Plant 206265
Powell & Lanregan Street, Emeryville CA

Dear Mr. Aruananthum,

Please find attached the "Semi-Annual Groundwater Monitoring & Sampling Report" dated November 20th, 1997. This report was prepared for Chevron by Gettler-Ryan Inc. to provide the results obtained during the monitoring and sampling event which took place October 16th, 1997.

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

Chevron will continue with the current monitoring and sampling schedule in place for this site.(semi-annual). If you have any questions or require any other information regarding this site please call me. I can be reached by phone at (510)842-9449 or by fax at (510) 842-8370.

Sincerely,

Tammy L Hodge
Site Assessment and Remediation

cc:

- Ms. Susan Hugo Alameda County Health
  1131 Harbor Bay Parkway, Suite 250, Alameda CA 94502
- Chevron File 206265

GETTLER-RYAN INC.

November 20, 1997 Job #5161.80

Ms. Tammy Hodge
Chevron Products Company
P.O. Box 6004
San Ramon, CA 94583

Re: Semi-Annual Groundwater Monitoring & Sampling Report
Former Chevron Asphalt Plant and Terminal #1001067
Powell @ Landregan Street
Emeryville, California

Dear Ms. Hodge:

This report documents the semi-annual groundwater sampling event performed by Gettler-Ryan Inc. (G-R). On October 16, 1997, field personnel were on-site to monitor and sample ten wells (MW-2A, MW-7, MW-8, MW-10, MW-11, MW-13, MW-15, MW-17, MW-18, and MW-19A) at the Former Chevron Asphalt Plant and Terminal located at Powell at Landregan Street in Emeryville, California. Wells MW-1, MW-3, MW-9, MW-12, and MW-16, were either not located or inaccessible.

Static groundwater levels were measured on October 16, 1997. All wells were checked for the presence of separate-phase hydrocarbons. Separate-phase hydrocarbons were not present in any of the wells. Static water level data and groundwater elevations are presented in Table 1. A Potentiometric Map is included as Figure 1.

Groundwater samples were collected from the monitoring wells as specified by G-R Standard Operating Procedure - Groundwater Sampling (attached). The field data sheets for this event are also attached. The samples were analyzed by NEI/GTEL Environmental Laboratories, Inc. Analytical results are presented in Tables 1 and 2. The chain of custody document and laboratory analytical reports are enclosed.

Thank you for allowing Gettler-Ryan Inc. to provide environmental services to Chevron. Please call if you have any questions or comments regarding this report.

Sincerely,

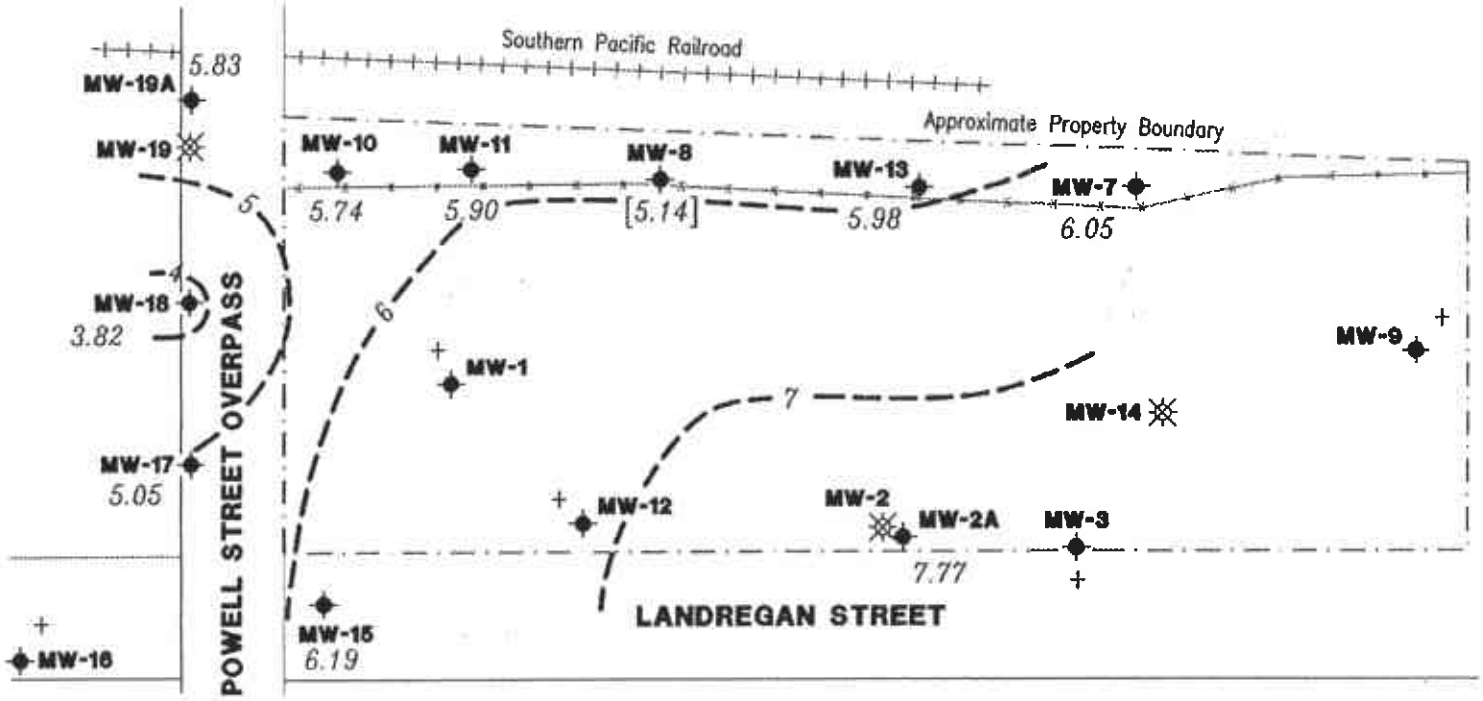
Deanna L. Harding
Project Coordinator

Stephen J. Carter
Senior Geologist, R.G. No. 5577

REGISTERED GEOLOGIST
STEPHEN J. CARTER
No. 5577
STATE OF CALIFORNIA

DLH/SJC/dlh
5161.QML

Figure 1: Potentiometric Map
Table 1: Water Level Data and Groundwater Analytical Results
Table 2: Analytical Results for Groundwater - Halogenated Volatile Organic Compounds
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports



EXPLANATION:

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

Approximate groundwater flow direction at a gradient of 0.01 to 0.03 Ft./Ft.

N

0 100

Scale in Feet

Gettler - Ryan Inc.
6747 Sierra Ct., Suite J (510) 551-7555
Dublin, CA 94568

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

FIGURE
1

JOB NUMBER 5161 | REVIEWED BY | DATE October 16, 1997 | REVISED DATE

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

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-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**
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	---

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	4/19/95	4.53	5.94	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
(cont)	11/6/95	5.11	5.36	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	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**
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**
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)[3]	Date	DTW (ft)	GWE[1] (msl)	Product Thickness[2] (ft)	Analytical Method	TPH(G)	B	T	E	X	MTBE
						<----------ppb---------->					
MW-9	7/7/88	---	---	---	---	400	---	---	---	---	---
(cont)	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**
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**
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	8/8/91	5.13	6.02	0	8015/8020	220[4]	<0.5	<0.5	<0.5	1.8	---
(cont)	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[9]	---	---	---	---	---	---	---	---	---	---
	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**
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	7/23/92	5.04	5.97	0	8015/8020	<50	<0.5	<0.5	<0.5	0.5	---
(cont)	10/28/92	5.17	5.84	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	5/4/93[8]	---	---	---	---	---	---	---	---	---	---
	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**
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	1/5/94	5.50	4.91	0	8015/8020	<50	<0.5	0.7	<0.5	<0.5	---
(cont)	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**
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[3]	<0.5	<0.5	<0.5	0.8	---
	7/23/92	5.49	4.31	0	8015/8020	50[3]	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**
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	---
	11/27/91	5.06	3.39	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-19	1/29/92	4.93	3.52	0	8015/8020	<50	1.7	2.6	0.7	2.1	---
(cont)	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**
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
	4/26/96	---	---	---	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	10/10/96	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	<5.0
(cont)	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**
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.

NOTES (continued):

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.
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 Methos 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.

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
	10/16/97	**GTEL**	**8260**	**<1.0**	**---**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<10**	**<1.0**	**<1.0**	**<0.5**	**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-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	<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[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[8]
	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	<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	<0.5	<0.5	<0.5	<0.5	ND[29]

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	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]
(cont)	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	<0.5	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**
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**
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
	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	---

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)	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**
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]
	4/19/95	SPA	8010	<0.5	---	18	39	<0.5	<0.5	6.5	<0.5	1.0	<0.5	ND[34]
	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**

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-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	---
	5/10/91	SAL	8010	<0.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND[11]
	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	<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
	10/16/97	**GTEL**	**8260**	**<1.0**	---	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<10**	**<1.0**	**<1.0**	**<0.5**	**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

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-14 (cont)	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
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	---
	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]	---	---	---	---	---	---	---	---	---	---	---	---	---

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-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**
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
	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**

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-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[35]	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[37]
	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[38]**
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	---
	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

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						---------->
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:

VOC = EPA Method 8010 for 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 HVOC's not detected at detection limits of 0.5 to 5.0.
[37] Other HVOC's not detected at detection limits of to 5.0 to 50.
[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.

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: 10-16-97

City: Emeryville, CA Sampler: F.Cline

Well ID MW-2A Well Condition: okay

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

Total Depth 12' ft.

Depth to Water 4.68 ft.

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

7.32 X VF 0.17 = 1.2 X 3 (case volume) = Estimated Purge Volume: 3.7 (gal.)

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

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

Starting Time: 1025 Weather Conditions: Clear warm

Sampling Time: 1031 Water Color: clear Odor: None

Purging Flow Rate: N/A 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)
1027	1.2	6.99	368	24.9			
1029	2.4	6.98	374	24.6			
1031	3.6	6.97	376	24.8			

LABORATORY INFORMATION

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

COMMENTS: _____

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Chevron Facility # 1001067 Job#: 5161.80

Address: Powell @ Landregan Date: 10-16-97

City: Emeryville, CA Sampler: F.Cline

Well ID MW-7 Well Condition: Otal

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

Total Depth 14' ft.

Depth to Water 9.42 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 = 1.7 X 3 (case volume) = Estimated Purge Volume: 5.2 (gal.)

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

Sampling Equipment: Disposable Bailer; Bailer; Pressure Bailer; Grab Sample; Other: ____

Starting Time: 10:40 Weather Conditions: Clear Warm

Sampling Time: 1048 Water Color: ____ Odor: ____

Purging Flow Rate: NA 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)
1046	1.7	7.60	235	23.1			
1045	3.4	7.15	224	22.7			
1048	5.2	7.11	222	22.6			

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	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: 10-16-97

City: Emeryville, CA Sampler: F.Cline

Well ID MW-8 Well Condition: okay

Well Diameter 3" in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): _____ (gal.)

Total Depth 16.15' ft.

Depth to Water 6.32 ft.

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

10.83 X VF 0.38 = 4.1 X 3 (case volume) = Estimated Purge Volume: 12.3 (gal.)

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

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

Starting Time: 11:13 Weather Conditions: clear warm

Sampling Time: 1126 Water Color: clear Odor: None

Purging Flow Rate: 2.7 gpm. Sediment Description: None

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)
1116	4.1	7.34	220	23.7			
1119	8.2	7.28	216	23.7			
1122	12.3	7.30	218	23.6			
1125	13.0	7.29	219	23.7			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-8	3 x 40m/VOA	Y	HCL	NEI/GTEL	TPH-Gas/BTEX/MTBE
MW-8	3x40mlVOA	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: 10-16-97

City: Emeryville, CA Sampler: F.Cline

Well ID MW- 10 Well Condition: Okay

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

Total Depth 20' ft.

Depth to Water 5108 ft.

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

14.92 X VF 0.66 = 9.8 X 3 (case volume) = Estimated Purge Volume: 29.5 (gal.)

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

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

Starting Time: 11:44 Weather Conditions: Clear warm

Sampling Time: 11:58 Water Color: ~~Clear~~ Odor: None

Purging Flow Rate: 2.5 gpm. Sediment Description: None

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

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1148	10	7.25	208	19.7			
1152	20	7.20	206	19.0			
1156	30	7.19	206	18.6			
1158	31	7.20	206	18.8			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- 10	3 x 40m/VOA	Y	HCL	NEI/GTEL	TPH-Gas/BTEX/MTBE
MW- 10	3 x 40m/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: 10-16-97

City: Emeryville, CA Sampler: F. Cline

Well ID MW- 11 Well Condition: okay

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

Total Depth 18' ft.

Depth to Water 5.48 ft.

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

12.52 x VF 0.66 = 8.3 X 3 (case volume) = Estimated Purge Volume: 25.6 (gal.)

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

Sampling Equipment: ~~Disposable Bailer~~; Bailer; Pressure Bailer; Grab Sample; Other: _____

Starting Time: 11:30 Weather Conditions: _____

Sampling Time: 11:44 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)
11:30	8	7.49	220	22.3			
11:38	16	7.43	220	22.3			
11:42	24	7.42	215	21.4			
11:44	26	7.40	210	21.8			

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	3x 40m/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: 10-16-97

City: Emeryville, CA Sampler: F.Cline

Well ID MW- 13 Well Condition: Okay

Well Diameter 3" in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 15' ft.

Depth to Water 5.17 ft.

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

9.83 X VF 0.38 = 3.7 X 3 (case volume) = Estimated Purge Volume: 11.2 (gal.)

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

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

Starting Time: 10:56 Weather Conditions: Clear Nice

Sampling Time: 1106 Water Color: Odor:

Purging Flow Rate: gpm. Sediment Description: Mod.

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)
1058	4	7.52	340	23.0			
1102	8	7.35	342	22.9			
1106	12	7.32	338	23.0			

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	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: 10-16-97

City: Emeryville, CA Sampler: F.Cline

Well ID MW-15 Well Condition: okay

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

Total Depth 7' ft.

Depth to Water 4.82 ft.

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

2.18 X VF 0.66 = 1.44 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: 10:15 Weather Conditions: _____

Sampling Time: 1021 Water Color: _____ Odor: _____

Purging Flow Rate: NA 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)
10:17	1.4	8.20	73	21.7			
10:19	2.8	7.92	67	21.7			
10:21	4.2	7.86	66	21.7			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- 15	3 x 40m/VOA	Y	HCL	NEI/GTEL	TPH-Gas/BTEX/MTBE
MW- 15	3x40m)VOA	Y	HCL	NEI/GTEL	8010

COMMENTS: _____

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Chevron Facility # 1001067 Job#: 5161.80

Address: Powell @ Landregan Date: 10-16-97

City: Emeryville, CA Sampler: F.Cline

Well ID MW-17 Well Condition: Okay

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

Total Depth 12' ft.

Depth to Water 5.36 ft.

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

CaCl x VF 0.17 = 1.18 X 3 (case volume) = Estimated Purge Volume: 3.4 (gal.)

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

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

Starting Time: 1205 Weather Conditions: Clear Warm

Sampling Time: 1211 Water Color: Clear Odor: None

Purging Flow Rate: NA 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)
1207	1.2	6.67	154	19.1			
1209	2.4	6.57	157	19.3			
1211	3.6	6.54	159	19.8			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-17	3 x 40m/VOA	Y	HCL	NEI/GTEL	TPH-Gas/BTEX/MTBE
MW-17	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: 10-16-97

City: Emeryville, CA Sampler: F.Cline

Well ID MW-18 Well Condition: okay

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

Total Depth 11 ft.

Depth to Water 5.98 ft.

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

5.02 x VF 0.17 = 0.85 X 3 (case volume) = Estimated Purge Volume: 2.56 (gal.)

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

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

Starting Time: 12.18 Weather Conditions: ~~clear~~ clear warm

Sampling Time: 1224 Water Color: Odor:

Purging Flow Rate: N/A 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)
1220	1	6.63	164	19.2			
1222	2	6.62	164	19.2			
1224	3	6.61	165	19.2			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-18	3 x 40m/VOA	Y	HCL	NEI/GTEL	TPH-Gas/BTEX/MTBE
MW-18	3x40m VOA	Y	HCL	NEI/GTEL	8010

COMMENTS:

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Chevron Facility #1001067 Job#: 5161.80

Address: Powell @ Landregan Date: 10-16-97

City: Emeryville, CA Sampler: F.Cline

Well ID MW- 19A Well Condition: clay

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

Total Depth 15.1 ft.

Depth to Water 4.13 ft.

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

10.87 X VF 0.17 = 1.8 X 3 (case volume) = Estimated Purge Volume: 5.5 (gal.)

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

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

Starting Time: 12:32 Weather Conditions: Clear warm

Sampling Time: 1241 Water Color: clear Odor: None

Purging Flow Rate: NA gpm. Sediment Description: None

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

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1234	2	6.94	160	21.2			
1236	4	7.04	156	20.7			
1238	6	7.15	148	20.1			
1241	7	7.12	150	20.2			

LABORATORY INFORMATION

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

COMMENTS: _____

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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 Service Code: ZZ02790
Laboratory Service Order # ~~9038352~~ 9065101
Samples Collected by (Name): F. Cline
Collection Date: 10-16-97
Signature: [signature]

Analyses To Be Performed

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)~~ 8260 (LOW LEVEL)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)					Remarks
TB-LB	1	2	W	TB	—	HCL	Y	X												DO NOT BILL TB-LB ANALYSIS. Confirm highest hit of (8020)-MTBE by 8260.
MW-15	2	6	↓	G	1021	↓	↓	X			X									
MW-2A	3	↓	↓	↓	1031	↓	↓	X			X									
MW-7	4	↓	↓	↓	1048	↓	↓	X			X									
MW-13	5	↓	↓	↓	1106	↓	↓	X			X									
MW-8	6	↓	↓	↓	1125	↓	↓	X			X									
MW-11	7	↓	↓	↓	1144	↓	↓	X			X									
MW-10	8	↓	↓	↓	1158	↓	↓	X			X									
MW-17	9	↓	↓	↓	1211	↓	↓	X			X									
MW-18	10	↓	↓	↓	1224	↓	↓	X			X									
MW-19A	11	↓	↓	↓	1241	↓	↓	X			X									

W + 10 . 0218

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
[signature]	G-R Inc.	10-17-97/0800	D. Harding	G-R Inc.	10/16/97
D. Harding		10/17/97 1250	John Weber	Nei/GTEL	10/17/97 1250
John Weber	Nei/GTEL	10/20/97 1630	Received For Laboratory By (Signature): [signature]		10/21/97 0820

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

COC-3.DWG/03 91/HCh

NEI/GTEL
ENVIRONMENTAL LABORATORIES, INC.

Midwest Region
4211 May Avenue
Wichita, KS 67209
(316) 945-2624
(800) 633-7936
(316) 945-0506 (FAX)

October 29, 1997

Deanna Harding
GETTLER-RYAN
6747 Sierra Ct.
Suite J
Dublin, CA 94568

RE: NEI/GTEL Client ID: GTR01CHV08
Login Number: W7100298
Project ID (number): 5161
Project ID (name): CHEVRON/1001067/POWELL @ LANDREGAN/EMERYVILLE/CA

Dear Deanna Harding:

Enclosed please find the analytical results for the samples received by NEI/GTEL Environmental Laboratories, Inc. on 10/21/97.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by NEI/GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria unless otherwise stated in the footnotes. This report is to be reproduced only in full.

NEI/GTEL is certified by the California Department of Health Service under Certification Number 2147.

If you have any questions regarding this analysis, or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,
NEI/GTEL Environmental Laboratories, Inc.

Justin Ward, Project Coordinator for
Terry R. Loucks
Laboratory Director

ANALYTICAL RESULTS
Volatile Organics

NEI/GTEL Client ID: GTR01CHV08
Login Number: W7100298
Project ID (number): 5161
Project ID (name): CHEVRON/1001067/POWELL @ LANDREGAN/EMERYVILLE/CA

Method: EPA 8020A
Matrix: Aqueous

NEI/GTEL Sample Number	W7100298-01	W7100298-02	W7100298-03	W7100298-04
Client ID	TB-LB	MW-15	MW-2A	MW-7
Date Sampled		10/16/97	10/16/97	10/16/97
Date Analyzed	10/25/97	10/25/97	10/25/97	10/25/97
Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting Limit	Units	Concentration:			
MTBE	5.0	ug/L	< 5.0	< 5.0	< 5.0	< 5.0
Benzene	0.5	ug/L	< 0.5	< 0.5	< 0.5	< 0.5
Toluene	0.5	ug/L	< 0.5	< 0.5	< 0.5	< 0.5
Ethylbenzene	0.5	ug/L	< 0.5	< 0.5	< 0.5	< 0.5
Xylenes (total)	0.5	ug/L	< 0.5	< 0.5	< 0.5	< 0.5
TPH as Gasoline	50	ug/L	< 50	< 50	80	< 50

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020A:

Gasoline range hydrocarbons (TPH) quantitated by GC/FID with purge and trap and modified EPA Method 8015. Analyte list modified to include additional compounds. "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update II.

ANALYTICAL RESULTS
Volatile Organics

NEI/GTEL Client ID: GTR01CHV08
Login Number: W7100298
Project ID (number): 5161
Project ID (name): CHEVRON/1001067/POWELL @ LANDREGAN/EMERYVILLE/CA

Method: EPA 8020A
Matrix: Aqueous

NEI/GTEL Sample Number	W7100298-05	W7100298-06	W7100298-07	W7100298-08
Client ID	MW-13	MW-8	MW-11	MW-10
Date Sampled	10/16/97	10/16/97	10/16/97	10/16/97
Date Analyzed	10/25/97	10/25/97	10/25/97	10/25/97
Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting Limit	Units	Concentration:			
MTBE	5.0	ug/L	< 5.0	< 5.0	18.	34.
Benzene	0.5	ug/L	< 0.5	< 0.5	< 0.5	< 0.5
Toluene	0.5	ug/L	< 0.5	< 0.5	< 0.5	< 0.5
Ethylbenzene	0.5	ug/L	< 0.5	< 0.5	< 0.5	< 0.5
Xylenes (total)	0.5	ug/L	< 0.5	< 0.5	< 0.5	< 0.5
TPH as Gasoline	50	ug/L	< 50	< 50	< 50	< 50

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020A:

Gasoline range hydrocarbons (TPH) quantitated by GC/FID with purge and trap and modified EPA Method 8015. Analyte list modified to include additional compounds. "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update II.

ANALYTICAL RESULTS
Volatile Organics

NEI/GTEL Client ID: GTR01CHV08
Login Number: W7100298
Project ID (number): 5161
Project ID (name): CHEVRON/1001067/POWELL @ LANDREGAN/EMERYVILLE/CA

Method: EPA 8020A
Matrix: Aqueous

NEI/GTEL Sample Number	W7100298-09	W7100298-10	W7100298-11	--
Client ID	MW-17	MW-18	MW-19A	--
Date Sampled	10/16/97	10/16/97	10/16/97	--
Date Analyzed	10/25/97	10/25/97	10/25/97	--
Dilution Factor	1.00	1.00	1.00	--

Analyte	Reporting Limit	Units	Concentration:			
MTBE	5.0	ug/L	< 5.0	< 5.0	22.	--
Benzene	0.5	ug/L	< 0.5	< 0.5	< 0.5	--
Toluene	0.5	ug/L	< 0.5	< 0.5	< 0.5	--
Ethylbenzene	0.5	ug/L	< 0.5	< 0.5	< 0.5	--
Xylenes (total)	0.5	ug/L	< 0.5	< 0.5	< 0.5	--
TPH as Gasoline	50	ug/L	< 50	< 50	380	--

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020A:

Gasoline range hydrocarbons (TPH) quantitated by GC/FID with purge and trap and modified EPA Method 8015. Analyte list modified to include additional compounds. "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update II.

ANALYTICAL RESULTS
Volatile Organics

NEI/GTEL Client ID: GTR01CHV08
Login Number: W7100298
Project ID (number): 5161
Project ID (name): CHEVRON/1001067/POWELL @ LANDREGAN/EMERYVILLE/CA

Method: EPA 8260A
Matrix: Aqueous

NEI/GTEL Sample Number	W7100298-02	W7100298-03	W7100298-04	W7100298-05
Client ID	MW-15	MW-2A	MW-7	MW-13
Date Sampled	10/16/97	10/16/97	10/16/97	10/16/97
Date Analyzed	10/23/97	10/24/97	10/23/97	10/23/97
Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting Limit	Units	Concentration:			
Dichlorodifluoromethane	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Chloromethane	2.0	ug/L	< 2.0	< 2.0	< 2.0	< 2.0
Bromomethane	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	0.5	ug/L	< 0.5	< 0.5	< 0.5	< 0.5
Chloroethane	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Trichlorofluoromethane	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Methylene chloride	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Acetone	10.	ug/L	< 10.	< 10.	< 10.	< 10.
trans-1,2-Dichloroethene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone	10.	ug/L	< 10.	< 10.	< 10.	< 10.
2,2-Dichloropropane	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Bromochloromethane	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloropropene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Carbon tetrachloride	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Benzene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	0.5	ug/L	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethene	10.	ug/L	< 10.	< 10.	< 10.	< 10.
1,2-Dichloropropane	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Dibromomethane	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Methyl methacrylate	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
4-Methyl-2-pentanone	10.	ug/L	< 10.	< 10.	< 10.	< 10.
cis-1,3-Dichloropropene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichloropropane	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Dibromochloromethane	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,4-Dichloro-2-butene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1,2-Tetrachloroethane	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
m+p-Xylene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0

ANALYTICAL RESULTS
Volatile Organics

NEI/GTEL Client ID: GTR01CHV08
Login Number: W7100298
Project ID (number): 5161
Project ID (name): CHEVRON/1001067/POWELL @ LANDREGAN/EMERYVILLE/CA

Method: EPA 8260A
Matrix: Aqueous

NEI/GTEL Sample Number	W7100298-02	W7100298-03	W7100298-04	W7100298-05
Client ID	MW-15	MW-2A	MW-7	MW-13
Date Sampled	10/16/97	10/16/97	10/16/97	10/16/97
Date Analyzed	10/23/97	10/24/97	10/23/97	10/23/97
Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting Limit	Units	Concentration:			
o-Xylene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Styrene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Isopropylbenzene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
1,2,3-Trichloropropane	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
n-Propylbenzene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Bromobenzene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
1,3,5-Trimethylbenzene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
2-Chlorotoluene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
4-Chlorotoluene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
tert-Butylbenzene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trimethylbenzene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
sec-Butylbenzene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
p-Isopropyltoluene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichlorobenzene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
n-Butylbenzene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichlorobenzene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromo-3-chloropropane	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Hexachloroethane	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Hexachlorobutadiene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Naphthalene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
1,2,3-Trichlorobenzene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Freon 113	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8260A:

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update II.

ANALYTICAL RESULTS
Volatile Organics

NEI/GTEL Client ID: GTR01CHV08
Login Number: W7100298
Project ID (number): 5161
Project ID (name): CHEVRON/1001067/POWELL @ LANDREGAN/EMERYVILLE/CA

Method: EPA 8260A
Matrix: Aqueous

NEI/GTEL Sample Number	W7100298-06	W7100298-07	W7100298-08	W7100298-09
Client ID	MW-8	MW-11	MW-10	MW-17
Date Sampled	10/16/97	10/16/97	10/16/97	10/16/97
Date Analyzed	10/23/97	10/23/97	10/24/97	10/24/97
Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting Limit	Units	Concentration:			
Dichlorodifluoromethane	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Chloromethane	2.0	ug/L	< 2.0	< 2.0	< 2.0	< 2.0
Bromomethane	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	0.5	ug/L	< 0.5	3.7	0.7	< 0.5
Chloroethane	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Trichlorofluoromethane	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Methylene chloride	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Acetone	10.	ug/L	< 10.	< 10.	< 10.	< 10.
trans-1,2-Dichloroethene	1.0	ug/L	< 1.0	5.1	11.	< 1.0
1,1-Dichloroethane	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone	10.	ug/L	< 10.	< 10.	< 10.	< 10.
2,2-Dichloropropane	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene	1.0	ug/L	< 1.0	24.	23.	1.1
Chloroform	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Bromochloromethane	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	1.0	ug/L	< 1.0	< 1.0	< 1.0	1.2
1,1-Dichloropropene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Carbon tetrachloride	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Benzene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	0.5	ug/L	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethene	10	ug/L	< 10.	< 10	< 10.	21.
1,2-Dichloropropane	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Dibromomethane	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Methyl methacrylate	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
4-Methyl-2-pentanone	10.	ug/L	< 10.	< 10.	< 10.	< 10.
cis-1,3-Dichloropropene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	1.0	ug/L	< 1.0	< 1.0	< 1.0	7.9
1,3-Dichloropropane	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Dibromochloromethane	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,4-Dichloro-2-butene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1,2-Tetrachloroethane	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
m+p-Xylene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0

ANALYTICAL RESULTS
Volatile Organics

NEI/GTEL Client ID: GTR01CHV08
Login Number: W7100298
Project ID (number): 5161
Project ID (name): CHEVRON/1001067/POWELL @ LANDREGAN/EMERYVILLE/CA

Method: EPA 8260A
Matrix: Aqueous

NEI/GTEL Sample Number	W7100298-06	W7100298-07	W7100298-08	W7100298-09
Client ID	MW-8	MW-11	MW-10	MW-17
Date Sampled	10/16/97	10/16/97	10/16/97	10/16/97
Date Analyzed	10/23/97	10/23/97	10/24/97	10/24/97
Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting Limit	Units	Concentration:			
o-Xylene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Styrene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Isopropylbenzene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
1,2,3-Trichloropropane	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
n-Propylbenzene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Bromobenzene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
1,3,5-Trimethylbenzene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
2-Chlorotoluene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
4-Chlorotoluene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
tert-Butylbenzene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trimethylbenzene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
sec-Butylbenzene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
p-Isopropyltoluene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichlorobenzene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
n-Butylbenzene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichlorobenzene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromo-3-chloropropane	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Hexachloroethane	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Hexachlorobutadiene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Naphthalene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
1,2,3-Trichlorobenzene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Freon 113	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8260A:

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update II.

ANALYTICAL RESULTS
Volatile Organics

NEI/GTEL Client ID: GTR01CHV08
Login Number: W7100298
Project ID (number): 5161
Project ID (name): CHEVRON/1001067/POWELL @ LANDREGAN/EMERYVILLE/CA

Method: EPA 8260A
Matrix: Aqueous

NEI/GTEL Sample Number	W7100298-10	W7100298-11	--	--
Client ID	MW-18	MW-19A	--	--
Date Sampled	10/16/97	10/16/97	--	--
Date Analyzed	10/24/97	10/24/97	--	--
Dilution Factor	1.00	1.00	--	--

Analyte	Reporting Limit	Units	Concentration:			
Dichlorodifluoromethane	1.0	ug/L	< 1.0	< 1.0	--	--
Chloromethane	2.0	ug/L	< 2.0	< 2.0	--	--
Bromomethane	1.0	ug/L	< 1.0	< 1.0	--	--
Vinyl chloride	0.5	ug/L	< 0.5	4.2	--	--
Chloroethane	1.0	ug/L	< 1.0	< 1.0	--	--
Trichlorofluoromethane	1.0	ug/L	< 1.0	< 1.0	--	--
1,1-Dichloroethene	1.0	ug/L	< 1.0	1.6	--	--
Methylene chloride	1.0	ug/L	< 1.0	< 1.0	--	--
Acetone	10.	ug/L	< 10	< 10	--	--
trans-1,2-Dichloroethene	1.0	ug/L	< 1.0	6.9	--	--
1,1-Dichloroethane	1.0	ug/L	< 1.0	5.5	--	--
2-Butanone	10.	ug/L	< 10.	< 10.	--	--
2,2-Dichloropropane	1.0	ug/L	< 1.0	< 1.0	--	--
cis-1,2-Dichloroethene	1.0	ug/L	1.0	100	--	--
Chloroform	1.0	ug/L	< 1.0	< 1.0	--	--
Bromochloromethane	1.0	ug/L	< 1.0	< 1.0	--	--
1,1,1-Trichloroethane	1.0	ug/L	2.2	< 1.0	--	--
1,1-Dichloropropene	1.0	ug/L	< 1.0	< 1.0	--	--
Carbon tetrachloride	1.0	ug/L	< 1.0	< 1.0	--	--
Benzene	1.0	ug/L	< 1.0	< 1.0	--	--
1,2-Dichloroethane	0.5	ug/L	< 0.5	< 0.5	--	--
Trichloroethene	10.	ug/L	25.	130	--	--
1,2-Dichloropropane	1.0	ug/L	< 1.0	< 1.0	--	--
Bromodichloromethane	1.0	ug/L	< 1.0	< 1.0	--	--
Dibromomethane	1.0	ug/L	< 1.0	< 1.0	--	--
Methyl methacrylate	1.0	ug/L	< 1.0	< 1.0	--	--
4-Methyl-2-pentanone	10.	ug/L	< 10.	< 10.	--	--
cis-1,3-Dichloropropene	1.0	ug/L	< 1.0	< 1.0	--	--
Toluene	1.0	ug/L	< 1.0	< 1.0	--	--
trans-1,3-Dichloropropene	1.0	ug/L	< 1.0	< 1.0	--	--
1,1,2-Trichloroethane	1.0	ug/L	< 1.0	< 1.0	--	--
Tetrachloroethene	1.0	ug/L	11.	660	--	--
1,3-Dichloropropane	1.0	ug/L	< 1.0	< 1.0	--	--
Dibromochloromethane	1.0	ug/L	< 1.0	< 1.0	--	--
trans-1,4-Dichloro-2-butene	1.0	ug/L	< 1.0	< 1.0	--	--
Chlorobenzene	1.0	ug/L	< 1.0	< 1.0	--	--
Ethylbenzene	1.0	ug/L	< 1.0	< 1.0	--	--
1,1,1,2-Tetrachloroethane	1.0	ug/L	< 1.0	< 1.0	--	--
m+p-Xylene	1.0	ug/L	< 1.0	< 1.0	--	--

ANALYTICAL RESULTS
Volatile Organics

NEI/GTEL Client ID: GTR01CHV08
Login Number: W7100298
Project ID (number): 5161
Project ID (name): CHEVRON/1001067/POWELL @ LANDREGAN/EMERYVILLE/CA

Method: EPA 8260A
Matrix: Aqueous

NEI/GTEL Sample Number	W7100298-10	W7100298-11	--	--
Client ID	MW-18	MW-19A	--	--
Date Sampled	10/16/97	10/16/97	--	--
Date Analyzed	10/24/97	10/24/97	--	--
Dilution Factor	1.00	1.00	--	--

Analyte	Reporting Limit	Units	Concentration:			
o-Xylene	1.0	ug/L	< 1.0	< 1.0	--	--
Styrene	1.0	ug/L	< 1.0	< 1.0	--	--
Bromoform	1.0	ug/L	< 1.0	< 1.0	--	--
Isopropylbenzene	1.0	ug/L	< 1.0	< 1.0	--	--
1,1,2,2-Tetrachloroethane	1.0	ug/L	< 1.0	3.8	--	--
1,2,3-Trichloropropane	1.0	ug/L	< 1.0	< 1.0	--	--
n-Propylbenzene	1.0	ug/L	< 1.0	< 1.0	--	--
Bromobenzene	1.0	ug/L	< 1.0	< 1.0	--	--
1,3,5-Trimethylbenzene	1.0	ug/L	< 1.0	< 1.0	--	--
2-Chlorotoluene	1.0	ug/L	< 1.0	< 1.0	--	--
4-Chlorotoluene	1.0	ug/L	< 1.0	< 1.0	--	--
tert-Butylbenzene	1.0	ug/L	< 1.0	< 1.0	--	--
1,2,4-Trimethylbenzene	1.0	ug/L	< 1.0	< 1.0	--	--
sec-Butylbenzene	1.0	ug/L	< 1.0	< 1.0	--	--
p-Isopropyltoluene	1.0	ug/L	< 1.0	< 1.0	--	--
1,3-Dichlorobenzene	1.0	ug/L	< 1.0	< 1.0	--	--
1,4-Dichlorobenzene	1.0	ug/L	< 1.0	< 1.0	--	--
n-Butylbenzene	1.0	ug/L	< 1.0	< 1.0	--	--
1,2-Dichlorobenzene	1.0	ug/L	< 1.0	< 1.0	--	--
1,2-Dibromo-3-chloropropane	1.0	ug/L	< 1.0	< 1.0	--	--
1,2,4-Trichlorobenzene	1.0	ug/L	< 1.0	< 1.0	--	--
Hexachloroethane	1.0	ug/L	< 1.0	< 1.0	--	--
Hexachlorobutadiene	1.0	ug/L	< 1.0	< 1.0	--	--
Naphthalene	1.0	ug/L	< 1.0	< 1.0	--	--
1,2,3-Trichlorobenzene	1.0	ug/L	< 1.0	< 1.0	--	--
Freon 113	1.0	ug/L	< 1.0	< 1.0	--	--

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8260A:

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update II.

W7100298-11:

Reported values for cis-1,2-Dichloroethene; Trichloroethene and Tetrachloroethene are from 50X dilution sample re-analysis.

NEI/GTEL Client ID: GTR01CHV08 QUALITY CONTROL RESULTS
Login Number: W7100298 Volatile Organics
Project ID (number): 5161 Method: EPA 8020A
Project ID (name): CHEVRON/1001067/POWELL @ LANDREGAN/EMERYVILLE/CA Matrix: Aqueous

Conformance/Non-Conformance Summary

(X = Requirements Met * = See Comments -- = Not Required NA = Not Applicable)

Conformance Item	Volatile Organics	Semi-Volatile Organics	Inorganics (MT, WC)
GC/MS Tune	--	--	NA
Initial Calibration	--	--	--
Continuing Calibration	X	--	--
Surrogate Recovery	X	--	NA
Holding Time	X	--	--
Method Accuracy	X	--	--
Method Precision	X	--	--
Blank Contamination	X	--	--

Comments:

NEI/GTEL Client ID: GTR01CHV08 QUALITY CONTROL RESULTS
Login Number: W7100298 Volatile Organics
Project ID (number): 5161 Method: EPA 8020A
Project ID (name): CHEVRON/1001067/POWELL @ LANDREGAN/EMERYVILLE/CA Matrix: Aqueous

Surrogate Results

QC Batch No.	Reference	Sample ID	TFT
Method: EPA 8020A		Acceptability Limits:	43-136%
102497GC10-1	CV1024972010	Calibration Verifi	121.
102497GC10-2	BW10249710	Method Blank Water	113.
102497GC10-5	MS10025708A	Matrix Spike	122.
102497GC10-7	DP10025706	Duplicate	125.
--	10029801	TB-LB	115.
--	10029802	MW-15	119.
--	10029803	MW-2A	114.
--	10029804	MW-7	113.
--	10029805	MW-13	112.
--	10029806	MW-8	120.
--	10029807	MW-11	122.
--	10029808	MW-10	117.
--	10029809	MW-17	112.
--	10029810	MW-18	126.
--	10029811	MW-19A	125.

Notes:
*: Indicates values outside of acceptability limits. See Sample Report.

Project ID (Number): 5161
Project ID (Name): Chevron SS #1001067
Powell & Landregan
Emeryville, CA
Work Order Number: W7-10-0298
Date Reported: 10-28-97

METHOD BLANK REPORT

Volatile Organics in Water
EPA Method 8020A

Date of Analysis: 24-OCT-97 QC Batch No: 102497GC10-2

Analyte	Concentration, ug/L
MTBE	<5.0
Benzene	<0.5
Toluene	<0.5
Ethylbenzene	<0.5
Xylene (total)	<0.5
TPH as Gasoline	<50

NEI/GTEL Client ID: GTR01CHV08 QUALITY CONTROL RESULTS
Login Number: W7100298 Volatile Organics
Project ID (number): 5161 Method: EPA 8020A
Project ID (name): CHEVRON/1001067/POWELL @ LANDREGAN/EMERYVILLE/CA Matrix: Aqueous

Calibration Verification Sample Summary

Analyte	Spike Amount	Check Sample Concentration	QC Percent Recovery	Acceptability Limits Recovery
EPA 8020A Units:ug/L	QC Batch:102497GC10-1			
Benzene	20.0	20.4	102	77-123%
Toluene	20.0	20.0	100.	77.5-122.5%
Ethylbenzene	20.0	20.9	105.	63-137%
Xylenes (Total)	60.0	67.8	113.	85-115%
TPH as Gasoline	500.	585.	117.	80-120%

Notes:
QC check source: Supelco #LA12389

NEI/GTEL Client ID: GTR01CHV08 QUALITY CONTROL RESULTS
Login Number: W7100298 Volatile Organics
Project ID (number): 5161 Method: EPA 8020A
Project ID (name): CHEVRON/1001067/POWELL @ LANDREGAN/EMERYVILLE/CA Matrix: Aqueous

Duplicate Sample Results

Analyte	Original Concentration	Duplicate Concentration	RPD, %	Acceptability Limits, %
EPA 8020A Units: ug/L	QC Batch: 102497GC10-7	GTEL Sample ID: W7100257-06		Client ID: Batch QC
MTBE	20500	20000	2.47	20
Benzene	5370	5250	2.26	23.9
Toluene	302.	338.	11.3	27.2
Ethylbenzene	79.1	73.7	7.07	21.6
Xylenes (Total)	719.	710.	1.26	22.0
TPH as Gasoline	25800	28300	9.24	20

Notes:
NA - The concentration of the analyte is less than the reporting limit.

NEI/GTEL Client ID: GTR01CHV08 QUALITY CONTROL RESULTS
Login Number: W7100298 Volatile Organics
Project ID (number): 5161 Method: EPA 8020A
Project ID (name): CHEVRON/1001067/POWELL @ LANDREGAN/EMERYVILLE/CA Matrix: Aqueous

Matrix Spike(MS) Results

GTEL Sample ID:W7100257-08 MS ID:MS10025708
Analysis Date: 24-OCT-97 24-OCT-97

Units: ug/L Analyte	Sample Conc.	Spike Added	MS Conc.	MS % Rec.	Acceptability Limits %Rec.
Benzene	< 0.5 (0.000)	20.0	20.3	102.	67-110
Toluene	< 1.0 (0.000)	20.0	19.6	98.0	68-115
Ethylbenzene	< 1.0 (0.000)	20.0	20.5	103.	65-120
Xylenes (Total)	< 2.0 (0.000)	60.0	66.1	110.	62-119

Notes:
Values in parentheses in the sample concentration column are used for % recovery calculations.

NEI/GTEL Client ID: GTR01CHV08 QUALITY CONTROL RESULTS
Login Number: W7100298 Volatile Organics
Project ID (number): 5161 Method: EPA 8260A
Project ID (name): CHEVRON/1001067/POWELL @ LANDREGAN/EMERYVILLE/CA Matrix: Aqueous

Surrogate Results

QC Batch No.	Reference	Sample ID	DBFM	TOL-D8	4-BFB
Method: EPA 8260A		Acceptability Limits:	80-120%	88-110%	86-115%
102397BG4-1	BW102397HP4	Method Blank Water	97.2	97.5	98.3
102397BG4-2	LW102397HP4	Laboratory Control	95.4	101.	102.
102397BG4-3	LWD102397HP4	LCS Water Duplicat	98.8	103.	102.
102397BG4-4	MS10029802	Matrix Spike	105.	96.2	100.
102397BG4-5	MD10029802	Matrix Spike Dupli	107.	95.0	101.
--	10029802	MW-15	100.	97.1	97.1
--	10029803	MW-2A	110.	93.9	109.
--	10029804	MW-7	106.	97.4	95.5
--	10029805	MW-13	106.	97.3	107.
--	10029806	MW-8	105.	95.6	95.6
--	10029807	MW-11	109.	96.2	95.8
--	10029808	MW-10	108.	96.4	95.1
--	10029809	MW-17	105.	95.6	94.3
--	10029810	MW-18	108.	96.4	94.3
--	10029811	MW-19A	106.	97.2	96.8

Notes:
*: Indicates values outside of acceptability limits. See Sample Report.

NEI/GTEL Client ID: GTR01CHV08 QUALITY CONTROL RESULTS
Login Number: W7100298
Project ID (number): 5161
Project ID (name): CHEVRON/1001067/POWELL @ LANDREGAN/EMERYVILLE/CA

Volatile Organics
Method: EPA 8260A
Matrix: Aqueous

Method Blank Results

QC Batch No: 102397BG4-1
Date Analyzed: 23-OCT-97

Analyte	Method:EPA 8260A Concentration: ug/L
Dichlorodifluoromethane	< 10.0
Chloromethane	< 10.0
Dichlorofluoromethane	< 10.0
Bromomethane	< 10.0
Vinyl chloride	< 2.00
Iodomethane	< 5.00
Chloroethane	< 10.0
Trichlorofluoromethane	< 5.00
Allyl Chloride	< 10.0
Acrolein	< 20.0
1,1-Dichloroethene	< 5.00
Methylene chloride	< 5.00
Acetone	< 20.0
Carbon disulfide	< 5.00
Acrylonitrile	< 20.0
MTBE	< 5.00
trans-1,2-Dichloroethene	< 5.00
Vinyl acetate	< 20.0
1,1-Dichloroethane	< 5.00
2-Butanone	< 20.0
2,2-Dichloropropane	< 5.00
cis-1,2-Dichloroethene	< 5.00
Chloroform	< 5.00
Bromochloromethane	< 5.00
1,1,1-Trichloroethane	< 5.00
1,1-Dichloropropene	< 5.00
Carbon tetrachloride	< 5.00
Benzene	< 5.00
1,2-Dichloroethane	< 5.00
Trichloroethene	< 5.00
Methacrylonitrile	< 5.00
1,2-Dichloropropane	< 5.00
Bromodichloromethane	< 5.00
Dibromomethane	< 5.00
Methyl methacrylate	< 5.00
2-Chloroethyl vinyl ether	< 10.0
4-Methyl-2-pentanone	< 20.0
cis-1,3-Dichloropropene	< 5.00
Toluene	< 5.00
trans-1,3-Dichloropropene	< 5.00
1,1,2-Trichloroethane	< 5.00
1,2-Dibromoethane	< 5.00
2-Hexanone	< 20.0
Tetrachloroethene	< 5.00

NEI/GTEL Client ID: GTR01CHV08 QUALITY CONTROL RESULTS
Login Number: W7100298 Volatile Organics
Project ID (number): 5161 Method: EPA 8260A
Project ID (name): CHEVRON/1G01067/POWELL @ LANDREGAN/EMERYVILLE/CA Matrix: Aqueous

Method Blank Results

1,3-Dichloropropane	< 5.00
Dibromochloromethane	< 5.00
trans-1,4-Dichloro-2-butene	< 5.00
Chlorobenzene	< 5.00
Ethylbenzene	< 5.00
1,1,1,2-Tetrachloroethane	< 5.00
m+p-Xylene	< 5.00
o-Xylene	< 5.00
Styrene	< 5.00
Bromoform	< 5.00
Isopropylbenzene	< 5.00
1,1,2,2-Tetrachloroethane	< 5.00
1,2,3-Trichloropropane	< 5.00
n-Propylbenzene	< 5.00
Bromobenzene	< 5.00
1,3,5-Trimethylbenzene	< 5.00
2-Chlorotoluene	< 5.00
4-Chlorotoluene	< 5.00
tert-Butylbenzene	< 5.00
1,2,4-Trimethylbenzene	< 5.00
sec-Butylbenzene	< 5.00
p-Isopropyltoluene	< 5.00
1,3-Dichlorobenzene	< 10.0
1,4-Dichlorobenzene	< 10.0
n-Butylbenzene	< 5.00
1,2-Dichlorobenzene	< 10.0
1,2-Dibromo-3-chloropropane	< 5.00
1,2,4-Trichlorobenzene	< 5.00
Hexachloroethane	< 5.00
Hexachlorobutadiene	< 5.00
Naphthalene	< 5.00
1,2,3-Trichlorobenzene	< 5.00

Notes:

NEI/GTEL Client ID: GTR01CHV08 QUALITY CONTROL RESULTS
Login Number: W7100298 Volatile Organics
Project ID (number): 5161 Method: EPA 8260A
Project ID (name): CHEVRON/1001067/POWELL @ LANDREGAN/EMERYVILLE/CA Matrix: Aqueous

Matrix Spike(MS) and Matrix Spike Duplicate(MSD) Results

GTEL Sample ID:W7100298-02 MS ID:MS10029802 MSD ID:MD10029802
Analysis Date: 23-OCT-97 24-OCT-97 24-OCT-97

Units: ug/L	Sample	Spikes Added		MS	MS	MSD	MSD		Acceptability Limits	
Analyte	Conc.	MS	MSD	Conc.	% Rec.	Conc.	% Rec.	RPD	RPD	%Rec.
1,1-Dichloroethene	< 1.00(0.000)	10.0	10.0	8.92	89.2	8.74	87.4	2.00	14	61-145
Benzene	< 1.00(0.0331)	10.0	10.0	10.6	106.	10.4	104.	1.90	11	76-127
Trichloroethene	< 10.0(0.000)	10.0	10.0	10.8	108.	10.7	107.	0.900	14	71-120
Toluene	< 1.00(0.0388)	10.0	10.0	10.9	109.	10.5	105.	3.70	13	76-125
Chlorobenzene	< 1.00(0.000)	10.0	10.0	11.3	113.	11.0	110.	2.70	13	75-130

Notes:
Values in parentheses in the sample concentration column are used for % recovery calculations.

NEI/GTEL Client ID: GTR01CHV08 QUALITY CONTROL RESULTS
Login Number: W7100298 Volatile Organics
Project ID (number): 5161 Method: EPA 8260A
Project ID (name): CHEVRON/1001067/POWELL @ LANDREGAN/EMERYVILLE/CA Matrix: Aqueous

Laboratory Control Sample (LCS) and Laboratory Control Duplicate Results

Analyte	Spike Amount	LCS Concentration	LCS Recovery, %	LCS Duplicate Concentration	LCS Duplicate Recovery, %	RPD, %	Acceptability Limits RPD, %	Acceptability Limits Recovery, %
EPA 8260A Units: ug/L		QC Batch:102397BG4-3						
1,1-Dichloroethene	10.0	8.76	87.6	8.39	83.9	4.31	14	61-145%
Trichloroethene	10.0	10.6	106.	10.6	106.	0.00	14	71-120%
Benzene	10.0	10.6	106.	10.3	103	2.87	11	76-127%
Toluene	10.0	11.0	110.	10.2	102.	7.55	13	76-125%
Chlorobenzene	10.0	10.8	108.	10.5	105.	2.82	13	75-130%

Notes:

NEI/GTEL Client ID: GTR01CHV08 QUALITY CONTROL RESULTS
Login Number: W7100298 Volatile Organics
Project ID (number): 5161 Method: EPA 8260A
Project ID (name): CHEVRON/1001067/POWELL @ LANDREGAN/EMERYVILLE/CA Matrix: Aqueous

Conformance/Non-Conformance Summary

(X = Requirements Met * = See Comments -- = Not Required NA = Not Applicable)

Conformance Item	Volatile Organics	Semi-Volatile Organics	Inorganics (MT, WC)
GC/MS Tune	--	--	NA
Initial Calibration	--	--	--
Continuing Calibration	--	--	--
Surrogate Recovery	X	--	NA
Holding Time	X	--	--
Method Accuracy	X	--	--
Method Precision	X	--	--
Blank Contamination	X	--	--

Comments: