GETTLER-RYAN INC.

July 15, 1997 Job #5290.80

Mr. Brett Hunter
Chevron Products Company
P.O. Box 6004
San Ramon, CA 94583

Re: Second Quarter Groundwater Monitoring & Sampling Report
Chevron Service Station #9-5542
7007 San Ramon Valley Road
Dublin, California

Dear Mr. Hunter:

This report documents the quarterly groundwater sampling event performed by Gettler-Ryan Inc. (G-R). On June 10, 1997, field personnel were on-site to monitor and sample nine wells (MW-1 through MW-4 and MW-6 through MW-10) at Chevron Service Station #9-5542 located at 7007 San Ramon Valley Road in Dublin, California. One well, MW-5, was not located.

Static groundwater levels were measured on June 10, 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 forms for this event are also attached. The samples were analyzed by NEI/GTEL Environmental Laboratories, Inc. Analytical results are presented in Table 1. 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

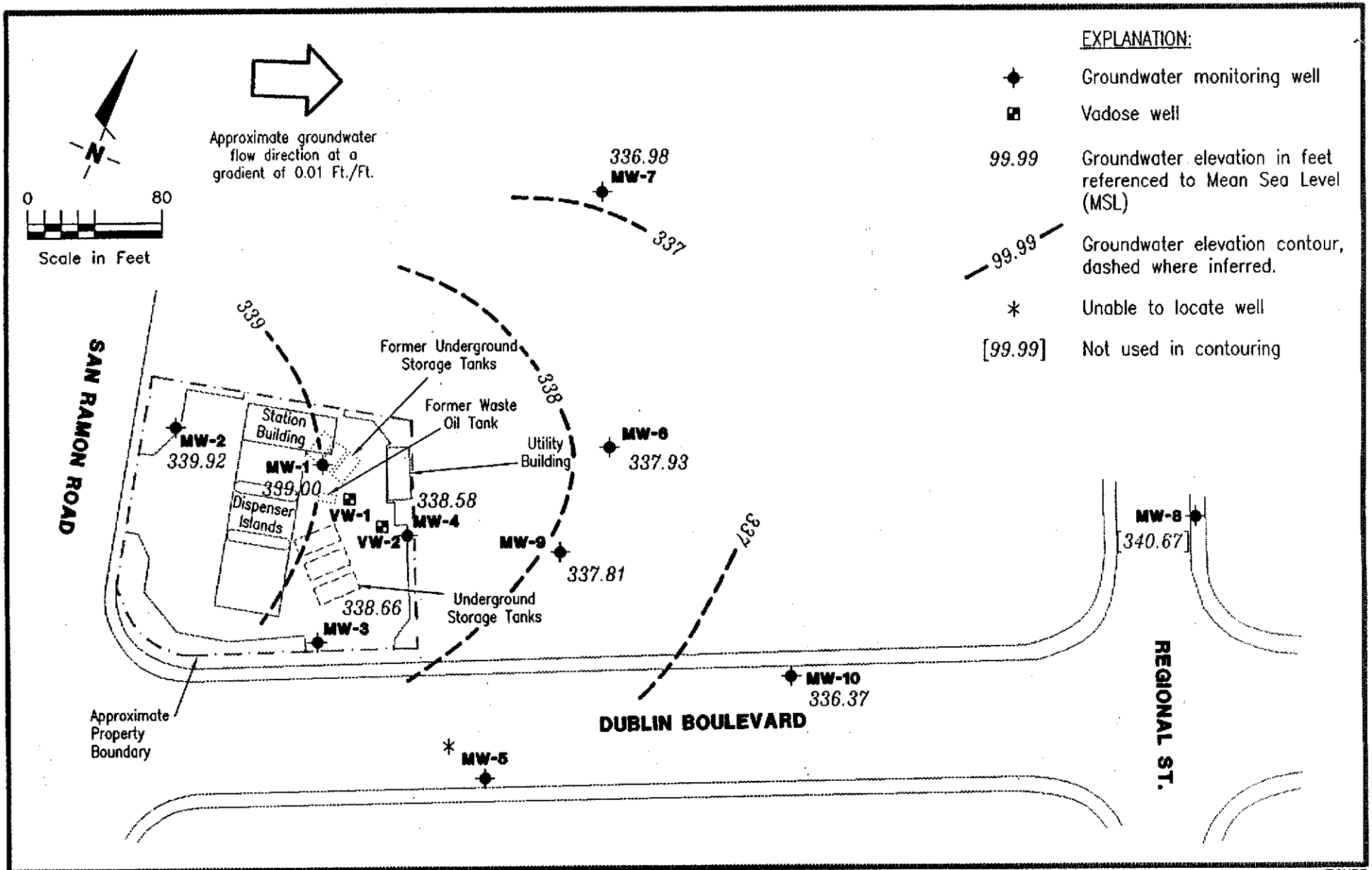
Stephen J. Carter
Senior Geologist, R.G. No. 5523

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

DLH/SJC/dlh
5290.QML

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

cc: Eva Chu, Alameda County Environmental Health,
1131 Harbor Bay Parkway, 2nd Floor, Alameda, CA 94502
Mary Diamond, See's Candy,
3423 S. La Cienega Boulevard, Los Angeles, CA 90016-4401



Gettler - Ryan Inc.

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

POTENTIOMETRIC MAP
Chevron Service Station No. 9-5542
7007 San Ramon Road
Dublin, California

FIGURE 1

MW-1 9,900 ppb benzene
MW-4 2,900 ppb
MW-9 800 ppb

JOB NUMBER	REVIEWED BY	DATE	REVISED DATE
5290		June 10, 1997	

Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-5542, 7007 San Ramon Valley Road, Dublin, California

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G)	O&G	B	T	E	X	MTBE	Other HVOCs	1,2-DCA	EDB
						<			ppb				>	
MW-1/	4/3-4/90	---	---	---	46,000	---	8,400	7,400	860	5,600	---	---	---	1.04
(D)	4/3-4/90	---	---	---	43,000	---	8,400	7,200	840	5,200	---	---	---	1.1
363.98[1]	5/31/91	25.67	338.31	0	31,000	---	7,400	2,500	630	2,100	---	ND[8]	2	---
	5/31/91	---	---	---	---	<5,000	---	---	---	---	---	---	---	---
	6/21/91	26.23	337.75	0	---	---	---	---	---	---	---	---	---	---
	7/17/91	26.53	337.45	0	---	---	---	---	---	---	---	---	---	---
	9/20/91	---	---	---	31,000	---	3,000	2,800	610	3,100	---	ND[8]	0.6	---
	10/4/91	27.90	336.08	0	---	---	---	---	---	---	---	---	---	---
	12/19/91	28.12	335.86	0	20,000	---	5,200	1,700	560	2,000	---	ND[8]	3.3	---
	3/19/92	24.63	339.35	0	30,000	---	8,500	3,600	590	2,400	---	ND[8]	2.7	---
364.32[2]	6/19/92	26.23	338.09	0	25,000	---	1,100	2,000	520	1,800	---	---	---	---
	9/22/92	27.73	336.59	0	21,000	---	8,000	3,500	670	2,900	---	---	---	---
	12/18/92	26.76	337.56	0	79,000	---	12,000	12,000	1,600	8,500	---	---	---	---
	3/10/93[6,13]	---	---	---	45,000	---	16,000	14,000	1,100	5,500	---	---	---	---
	3/22/93[4]	---	---	---	---	---	---	---	---	---	---	---	---	---
	6/14/93[4]	---	---	---	---	---	---	---	---	---	---	---	---	---
	7/25/93[4]	---	---	---	---	---	---	---	---	---	---	---	---	---
	9/23/93[4]	---	---	---	---	---	---	---	---	---	---	---	---	---
	3/21/94	26.16	338.16	0	5,900	---	1,600	560	140	330	---	---	---	---
	7/6/94	27.20	337.12	0	---	---	---	---	---	---	---	---	---	---
	8/26/94	---	---	---	20,000	---	5,300	4,900	610	2,900	---	---	---	---
	9/22/94	27.44	336.88	0	42,000	---	10,000	8,300	1,000	4,900	---	---	---	---
	12/8/94	26.70	337.62	---	38,000	---	9,000	7,700	830	3,800	---	---	---	---
	3/6/95	23.68	340.64	0	47,000	---	9,400	7,100	750	3,400	---	---	---	---
	6/8/95	22.68	341.64	0	170,000	---	29,000	29,000	2,600	13,000	---	---	---	---
	9/13/95	25.10	339.22	0	39,000	---	11,000	10,000	1,100	4,900	---	---	---	---
	12/16/95	26.08	338.24	0	40,000	---	7,000	6,300	570	2,500	<2.5	---	---	---
	3/28/96	22.20	342.12	0	16,000	---	3,700	3,200	330	1,500	<120	---	---	---
	6/27/96	24.20	340.12	0	40,000	---	6,900	8,700	830	4,000	<120	---	---	---
	9/30/96	25.62	338.70	0	190,000	---	24,000	31,000	2,900	14,000	380	---	---	---
	12/30/96	24.21	340.11	0	130,000	---	25,000	32,000	2,900	15,000	<500	---	---	---
	3/11/97	23.72	340.60	0	76,000	---	11,000	13,000	1,000	6,500	<500	---	---	---
	6/10/97	**25.32**	**339.00**	**0**	**63,000**	---	**9,900**	**15,000**	**1,400**	**7,000**	**<500**	---	---	---
MW-2/	4/3-4/90	---	---	---	<50	---	<0.3	<0.3	<0.3	<0.6	---	---	---	<0.02
364.19[1]	5/31/91	25.51	338.68	0	100	---	3.1	4.2	0.7	2.0	---	ND[8]	<0.5	---
	5/31/91	---	---	---	---	<5,000	---	---	---	---	---	---	---	---
	6/21/91	26.13	338.06	0	---	---	---	---	---	---	---	---	---	---
	7/17/91	26.46	337.73	0	---	---	---	---	---	---	---	---	---	---
	9/20/91	---	---	---	68	---	1.3	1.6	0.8	3.0	---	---	---	---
	10/4/91	27.79	336.40	0	---	---	---	---	---	---	---	---	---	---
	12/19/91	28.06	336.13	0	<50	---	0.6	1.2	0.8	2.5	---	---	---	---
	3/19/92	24.46	339.73	0	<50	---	2.5	2.0	1.1	2.4	---	---	---	---

Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-5542, 7007 San Ramon Valley Road, Dublin, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G)	O&G	B	T	E	X	MTBE	Other HVOCs	1,2-DCA	EDB
						<ppb>								
MW-2/364.64[2] (cont)	6/19/92	26.10	338.54	0	<50	—	<0.5	0.6	0.7	1.2	—	—	—	—
	9/22/92	27.60	337.04	0	200	—	16	42	6.1	32	—	—	—	—
	12/18/92	26.32	338.32	0	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	3/22/93	21.39	343.29	0	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	6/14/93	25.15	339.49	0	—	—	—	—	—	—	—	—	—	—
	7/25/93	24.52	340.12	0	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	9/23/93	25.63	339.01	0	72	—	12	4	6	8	—	—	—	—
	12/22/93	26.34	338.30	0	1,600	—	25	<0.5	3.8	4.8	—	—	—	—
	3/21/94	25.83	338.81	0	<50	—	0.7	3.3	<0.5	1.9	—	—	—	—
	6/29/94	—	—	—	52	—	0.8	0.9	0.8	1.9	—	—	—	—
	7/6/94	26.70	337.94	0	—	—	—	—	—	—	—	—	—	—
	9/22/94	26.82	337.82	0	<50	—	0.7	<0.5	<0.5	0.6	—	—	—	—
	12/8/94	26.28	338.36	0	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	3/6/95	23.27	341.37	0	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	6/8/95	22.38	342.26	0	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	9/13/95	24.95	339.95	0	<50	—	<0.5	0.8	<0.5	0.8	—	—	—	—
	12/16/95	25.78	338.86	0	<50	—	<0.5	<0.5	<0.5	<0.5	<2.5	—	—	—
	3/28/96	21.34	343.30	0	<50	—	0.8	5.6	1.0	6.2	<5.0	—	—	—
	6/27/96	23.99	340.65	0	<50	—	<0.5	<0.5	<0.5	<0.5	<5.0	—	—	—
	9/30/96	25.14	339.50	0	<50	—	<0.5	<0.5	<0.5	<0.5	<5.0	—	—	—
	12/30/96	23.61	341.03	0	<50	—	<0.5	<0.5	<0.5	<0.5	<5.0	—	—	—
	3/11/97	23.17	341.47	0	<50	—	<0.5	<0.5	<0.5	<0.5	<5.0	—	—	—
	6/10/97	**24.72**	**339.92**	**0**	**<50**	**—**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**—**	**—**	**—**
MW-3/ 361.92[1]	4/3-4/90	—	—	—	2,200	—	36	5	6	17	—	—	—	<0.02
	5/31/91	23.20	338.72	0	2,200	—	130	11	31	78	—	ND[5]	19	—
	5/31/91	—	—	—	—	<5,000	—	—	—	—	—	—	—	—
	6/21/91	24.13	337.79	0	—	—	—	—	—	—	—	—	—	—
	7/17/91	24.59	337.73	0	—	—	—	—	—	—	—	—	—	—
	9/20/91	25.98	335.94	0	2,200	—	190	6.0	24	32	—	—	—	—
	12/19/91	26.24	335.68	0	640	—	73	27	17	56	—	—	—	—
	3/19/92	22.46	339.46	0	4,500	—	1,000	15	91	240	—	—	—	—
362.26[2]	6/19/92	24.32	337.94	0	1,100	—	89	3.3	9.1	13	—	—	—	—
	9/22/92	25.84	336.42	0	1,400	—	81	51	15	49	—	—	—	—
	12/18/92	24.40	337.86	0	1,100	—	2.0	1.1	53	38	—	—	—	—
	3/22/93	19.72	342.54	0	1,600	—	96	9	14	91	—	—	—	—
	6/14/93	23.52	338.74	0	—	—	—	—	—	—	—	—	—	—
	7/25/93	23.21	339.05	0	1,200	—	19	6	2	5	—	—	—	—
	9/23/93	24.02	338.24	0	1,500	—	35	<0.5	5	13	—	—	—	—
	12/22/93	24.67	337.59	0	1,500	—	26	<0.5	3.9	4.9	—	—	—	—
	3/21/94	24.05	338.21	0	1,400	—	22	14	1.1	5.3	—	—	—	—
	6/29/94	—	—	—	1,700	—	90	6.1	20	81	—	—	—	—
	7/6/94	25.08	337.18	0	—	—	—	—	—	—	—	—	—	—

Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-5542, 7007 San Ramon Valley Road, Dublin, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G)	O&G	B	T	E	X	MTBE	Other HVOCs	1,2-DCA	EDB
						<ppb>								
MW-3	9/22/94	24.78	337.48	0	2,600	—	72	7.6	110	370	—	—	—	—
(cont)	12/8/94	24.35	337.91	0	2,700	—	32	<0.5	100	140	—	—	—	—
	3/6/95	21.47	340.79	0	1,000	—	4.0	9.9	8.8	7.7	—	—	—	—
	6/8/95	20.99	341.27	0	1,500	—	13	3.2	12	17	—	—	—	—
	9/13/95	23.51	338.75	0	2,100	—	12	79	76	420	—	—	—	—
	12/16/95	24.00	338.26	0	650	—	<0.5	<0.5	4.4	6.5	12	—	—	—
	3/28/96	19.90	342.36	0	1,500	—	4.3	6.5	60	100	15	—	—	—
	6/27/96	21.98	340.28	0	1,200	—	<0.5	<0.5	1.9	2.0	13	—	—	—
	9/30/96	23.82	338.44	0	620	—	<0.5	<0.5	<0.5	0.8	10	—	—	—
	12/30/96	22.30	339.96	0	1,200	—	0.6	<0.5	0.6	0.7	12	—	—	—
	3/11/97	21.51	340.75	0	1,400	—	<0.5	3.1	<0.5	0.7	32	—	—	—
	6/10/97	**23.60**	**338.66**	**0**	**1,400**	**—**	**1.8**	**4.8**	**0.8**	**1.1**	**18**	**—**	**—**	**—**
MW-4/	4/3-4/90	—	—	—	43,000	18,000	4,000	5,000	790	5,500	—	—	—	<0.02
	4/3-4/90	—	—	—	—	—	6,000	8,200	1,500	—	—	—	—	—
362.70[1]	5/31/91	24.67	338.03	0	34,000	—	2,900	2,900	680	3,300	—	ND[8]	<0.5	—
	5/31/91	—	—	—	<5,000	—	—	—	—	—	—	—	—	—
	6/21/91	25.31	337.39	0	—	—	—	—	—	—	—	—	—	—
	7/17/91	25.73	336.97	0	—	—	—	—	—	—	—	—	—	—
	9/20/91	—	—	—	37,000	—	4,000	3,200	580	3,000	—	ND[8]	9.2	—
	10/4/91	27.08	335.62	0	—	—	—	—	—	—	—	—	—	—
	12/19/91	27.24	335.46	0	41,000	—	5,500	4,900	1,000	4,400	—	ND[8]	17	—
	3/19/92	23.66	339.04	0	21,000	—	3,800	2,900	500	3,200	—	ND[9]	15	—
363.07[2]	6/19/92	25.33	337.74	0	27,000	<5,000	1,800	1,600	570	1,900	—	—	—	—
	9/22/92	26.90	336.17	0	20,000	<5,000	4,100	2,700	670	3,200	—	—	—	—
	12/18/92	25.62	337.45	0	15,000	<5,000	2,200	2,000	370	1,600	—	—	—	—
	3/22/93	20.80	342.27	0	41,000	5,000	3,900	5,100	840	4,500	—	—	—	—
	6/14/93	25.73	337.34	0	—	—	—	—	—	—	—	—	—	—
	7/25/93	24.02	339.05	0	94,000	<5,000	18,000	30,000	2,400	14,000	—	—	—	—
	9/23/93	25.00	338.07	0	23,000	<5,000	4,700	2,000	900	4,600	—	—	—	—
	12/22/93	25.72	337.35	0	18,000	<5,000	2,800	1,300	420	1,700	—	—	—	—
	3/21/94	25.09	337.98	0	21,000	<5,000	2,800	1,700	540	1,900	—	—	—	—
	6/29/94	—	—	—	25,000	<5,000	4,000	2,600	960	3,300	—	—	—	—
	7/6/94	26.11	336.96	0	—	—	—	—	—	—	—	—	—	—
	9/22/94	26.54	336.53	0	45,000	<5,000	11,000	8,800	1,000	5,100	—	—	—	—
	12/8/94[14]	25.55	337.52	0	6,700	<5,000	1,200	720	34	1,100	—	—	—	—
	3/6/95	22.64	340.43	0	8,900	—	1,400	540	350	940	—	—	—	—
	6/8/95	22.01	341.06	0	15,000	—	2,000	1,500	400	1,500	—	—	—	—
	9/13/95	24.42	338.65	0	10,000[15]	—	3,100	670	500	1,400	—	—	—	—
	12/16/95	25.18	337.89	0	15,000	—	2,900	960	420	1,200	<2.5	—	—	—
	3/28/96	20.97	342.10	0	8,600	—	1,300	920	330	1,100	<10	—	—	—
	6/27/96	21.63	341.44	0	18,000	—	2,600	1,500	740	2,400	<50	—	—	—
363.07[16]	9/30/96	24.85	338.22	0	24,000	—	3,200	1,200	710	2,200	87	—	—	—

Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-5542, 7007 San Ramon Valley Road, Dublin, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G)	O&G	B	T	E	X	MTBE	Other HVOCs	1,2-DCA	EDB
						<---ppb--->								
MW-4	12/30/96	23.28	339.79	0	15,000	—	2,300	1,000	600	1,900	84	—	—	—
(cont)	3/11/97	22.62	340.45	0	23,000	—	2,600	920	780	2,200	84	—	—	—
	6/10/97	**24.49**	**338.58**	**0**	**17,000**	**—**	**2,900**	**790**	**750**	**1,700**	**<100**	**—**	**—**	**—**
MW-5/														
359.95[1]	6/21/91	23.17	336.78	0	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	6/21/91	—	—	—	—	—	—	—	—	—	—	ND[8]	<0.5	—
	7/17/91	23.68	336.27	0	—	—	—	—	—	—	—	—	—	—
	9/20/91	—	—	—	170[10]	—	0.8	0.9	<0.5	1.5	—	—	—	—
	10/4/91	25.20	334.75	0	—	—	—	—	—	—	—	—	—	—
	12/19/91	25.20	334.75	0	<50	—	0.7	0.7	<0.5	1.4	—	—	—	—
	3/19/92	21.21	338.74	0	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
360.28[2]	6/19/92	23.42	336.86	0	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	9/22/92	24.97	335.31	0	150	—	13	34	5.0	26	—	—	—	—
	12/18/92	23.52	336.76	0	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	3/10/93	—	—	—	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	3/22/93	19.10	341.18	0	—	—	—	—	—	—	—	—	—	—
	6/14/93	22.71	337.57	0	—	—	—	—	—	—	—	—	—	—
	7/25/93	21.99	338.29	0	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	9/23/93	23.48	336.80	0	<50	—	3	1	1	2	—	—	—	—
	12/22/93	23.98	336.30	0	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	3/21/94	23.18	337.10	0	<50	—	2.4	1.4	<0.5	2	—	—	—	—
	6/29/94	—	—	—	<50	—	<0.5	<0.5	<0.5	1.0	—	—	—	—
	7/6/94	24.41	335.87	0	—	—	—	—	—	—	—	—	—	—
	9/22/94	24.78	335.50	0	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	12/8/94	23.42	336.86	0	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	3/6/95	20.65	339.63	0	67	—	1.9	2.5	4.7	19	—	—	—	—
	6/8/95	20.76	339.52	0	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	9/13/95	23.16	337.12	0	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	12/16/95	Unable to locate		—	—	—	—	—	—	—	—	—	—	—
	3/28/96	Unable to locate		—	—	—	—	—	—	—	—	—	—	—
	6/27/96	Unable to locate		—	—	—	—	—	—	—	—	—	—	—
	9/30/96	Unable to locate		—	—	—	—	—	—	—	—	—	—	—
	12/30/96	Unable to locate		—	—	—	—	—	—	—	—	—	—	—
	3/11/97	Unable to locate		—	—	—	—	—	—	—	—	—	—	—
	6/10/97	**Unable to locate**		**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**
MW-6/														
360.22[1]	6/21/91	23.55	336.67	0	3,700	—	50	2.6	150	340	—	—	—	—
	6/21/91	—	—	—	—	—	—	—	—	—	—	ND[8]	<0.5	—
	7/17/91	24.00	336.22	0	—	—	—	—	—	—	—	—	—	—
	9/20/91	—	—	—	3,200	—	28	<0.5	140	100	—	—	—	—
	10/4/91	25.29	334.93	0	—	—	—	—	—	—	—	—	—	—

Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-5542, 7007 San Ramon Valley Road, Dublin, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G)	O&G	B	T	E	X	MTBE	Other HVOCs	1,2-DCA	EDB
						<			ppb				>	
MW-6	12/19/91	25.34	334.88	0	380	—	2.7	4.0	15	10	—	—	—	—
(cont)	3/19/92	22.05	338.17	0	3,400	—	57	4.5	330	360	—	—	—	—
360.58[2]	6/19/92	23.52	337.06	0	980	—	11	4.2	57	38	—	—	—	—
	9/22/92	25.60	334.98	0	1,100	—	22	41	77	58	—	—	—	—
	12/18/92	24.18	336.40	0	1,900	—	3.2	1.3	58	47	—	—	—	—
	3/10/93	—	—	—	1,400	—	30	9	8	22	—	—	—	—
	3/22/93	19.36	341.22	0	—	—	—	—	—	—	—	—	—	—
	6/14/93	23.48	337.10	0	—	—	—	—	—	—	—	—	—	—
	7/25/93	22.30	338.28	0	83[11]	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	9/23/93	23.20	337.38	0	200	—	6	2	3	3	—	—	—	—
	12/22/93	23.91	336.67	0	130	—	<0.5	1.8	1.2	1.5	—	—	—	—
	3/21/94	23.27	337.31	0	290	—	3	10	1.6	4.7	—	—	—	—
	6/29/94	—	—	—	300	—	0.6	1.2	2.4	4.6	—	—	—	—
	7/6/94	24.27	336.31	0	—	—	—	—	—	—	—	—	—	—
	9/22/94	24.84	335.74	0	2,300	—	58	3.6	100	290	—	—	—	—
	12/8/94	23.85	336.73	0	<50	—	<0.5	<0.5	<0.5	0.9	—	—	—	—
	3/6/95	20.91	339.67	0	360	—	2.0	3.6	0.9	2.3	—	—	—	—
	6/8/95	20.18	340.40	0	230	—	<0.5	<0.5	1.0	1.6	—	—	—	—
	9/13/95	23.53	337.05	0	88	—	<0.5	<0.5	<0.5	1.1	—	—	—	—
	12/16/95	23.38	337.20	0	<50	—	<0.5	<0.5	<0.5	<0.5	7.3	—	—	—
	3/28/96	19.37	341.21	0	130	—	<0.5	<0.5	<0.5	<0.5	9.2	—	—	—
	6/27/96	21.66	338.92	0	<50	—	<0.5	<0.5	<0.5	<0.5	5.7	—	—	—
	9/30/96	23.06	337.52	0	50	—	<0.5	<0.5	<0.5	<0.5	6.3	—	—	—
	12/30/96	21.46	339.12	0	90	—	<0.5	<0.5	<0.5	<0.5	5.5	—	—	—
	3/11/97	20.91	339.67	0	80	—	<0.5	<0.5	<0.5	<0.5	<5.0	—	—	—
	6/10/97	**22.65**	**337.93**	**0**	**<50**	—	**1.6**	**2.3**	**<0.5**	**1.2**	**<5.0**	—	—	—
MW-7/														
360.63[1]	6/21/91	23.45	337.18	0	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	6/21/91	—	—	—	—	—	—	—	—	—	—	ND[8]	<0.5	—
	7/17/91	23.90	336.73	0	—	—	—	—	—	—	—	—	—	—
	9/20/91	—	—	—	69	—	4.4	3.3	1.2	3.9	—	—	—	—
	10/4/91	25.03	335.60	0	—	—	—	—	—	—	—	—	—	—
	12/19/91	25.10	335.53	0	<50	—	0.9	2.8	1.7	5.9	—	—	—	—
	3/19/92	22.74	337.89	0	<50	—	1.1	0.6	0.9	2.5	—	—	—	—
360.99[2]	6/19/92[3]	—	—	—	—	—	—	—	—	—	—	—	—	—
	9/22/92[3]	—	—	—	—	—	—	—	—	—	—	—	—	—
	12/18/92[3]	—	—	—	—	—	—	—	—	—	—	—	—	—
	3/22/93[5]	—	—	—	—	—	—	—	—	—	—	—	—	—
	6/14/93[5]	—	—	—	—	—	—	—	—	—	—	—	—	—
	7/25/93[5]	—	—	—	—	—	—	—	—	—	—	—	—	—
361.68[6]	12/23/93	23.67	338.01	0	<50	—	0.9	0.5	<0.5	<0.5	—	—	—	—
	3/21/94	24.13	337.55	0	<50	—	0.5	1.1	<0.5	1.4	—	—	—	—
	6/29/94	—	—	—	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—

Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-5542, 7007 San Ramon Valley Road, Dublin, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G)	O&G	B	T	E	X	MTBE	Other HVOCs	1,2-DCA	EDB
						<------				ppb			------>	
MW-7	7/6/94	26.45	335.23	0	—	—	—	—	—	—	—	—	—	—
(cont)	9/22/94	27.40	334.28	0	11,000	—	1,900	230	310	970	—	—	—	—
	12/8/94	26.23	335.45	0	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	3/6/95	23.19	338.49	0	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	6/8/95	22.14	339.54	0	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	9/13/95	24.55	337.13	0	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	12/16/95	25.74	335.94	0	<50	—	<0.5	<0.5	<0.5	<0.5	<2.5	—	—	—
	3/28/96	21.72	339.96	0	<50	—	<0.5	<0.5	<0.5	<0.5	<5.0	—	—	—
	6/27/96	23.50	338.18	0	<50	—	<0.5	<0.5	<0.5	<0.5	<5.0	—	—	—
	9/30/96	25.20	336.48	0	<50	—	<0.5	<0.5	<0.5	<0.5	<5.0	—	—	—
	12/30/96	23.88	337.80	0	<50	—	<0.5	<0.5	<0.5	<0.5	<5.0	—	—	—
	3/11/97	22.99	338.69	0	<50	—	<0.5	<0.5	<0.5	<0.5	<5.0	—	—	—
	6/10/97	**24.70**	**336.98**	**0**	**<50**	**—**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**—**	**—**	**—**
MW-8/														
—	12/12/91	22.54	—	0	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
354.89[2]	6/19/92	20.47	334.42	0	<50	—	1.2	1.4	0.5	2.9	—	—	—	—
	9/22/92	29.80	325.09	0	180	—	17	42	6.0	31	—	—	—	—
	12/18/92	21.18	333.71	0	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	3/10/93	—	—	—	<50	—	0.8	2	<0.5	2	—	—	—	—
	3/22/93	16.91	337.98	0	—	—	—	—	—	—	—	—	—	—
	6/14/93	24.30	330.59	0	—	—	—	—	—	—	—	—	—	—
	7/25/93	23.77	331.12	0	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	9/23/93	20.40	334.49	0	<50	—	1	0.9	0.7	1	—	—	—	—
	12/22/93	20.92	333.97	0	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	3/21/94	20.19	334.70	0	<50	—	0.9	1.5	<0.5	2	—	—	—	—
	6/29/94	—	—	—	<50	—	<0.5	<0.5	<0.5	0.8	—	—	—	—
	7/6/94	21.05	333.84	0	—	—	—	—	—	—	—	—	—	—
	9/22/94	21.84	333.05	0	9,600	—	1,600	180	260	840	—	—	—	—
	10/14/94	21.84	333.05	0	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	12/8/94	20.71	334.18	0	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	3/6/95	18.11	336.78	0	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	6/8/95	17.79	337.10	0	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	9/13/95	19.80	335.09	0	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	12/16/95	20.46	334.43	0	<50	—	<0.5	<0.5	<0.5	<0.5	<2.5	—	—	—
	3/28/96	15.42	339.47	0	<50	—	<0.5	<0.5	<0.5	<0.5	<5.0	—	—	—
	6/27/96	19.08	335.81	0	<50	—	<0.5	<0.5	<0.5	<0.5	<5.0	—	—	—
360.58[16]	9/30/96	20.30	340.28	0	<50	—	<0.5	<0.5	<0.5	0.6	<5.0	—	—	—
	12/30/96	19.03	341.55	0	<50	—	<0.5	<0.5	<0.5	<0.5	<5.0	—	—	—
	3/11/97	18.41	342.17	0	<50	—	<0.5	<0.5	<0.5	<0.5	<5.0	—	—	—
	6/10/97	**19.91**	**340.67**	**0**	**<50**	**—**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**—**	**—**	**—**

Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-5542, 7007 San Ramon Valley Road, Dublin, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G)	O&G	B	T	E	X	MTBE	Other HVOCs	1,2-DCA	EDB
						<---				ppb			--->	
MW-9/														
361.23[7]	7/6/94	25.15	336.08	0	—	—	—	—	—	—	—	—	—	—
	8/26/94	—	—	—	12,000	—	1,700	240	410	1,400	—	—	—	—
	9/22/94	25.74	335.49	0	10,000	—	1,900	290	320	1,200	—	—	—	—
	12/8/94	24.84	336.39	0	18,000	—	2,400	780	450	4,600	—	—	—	—
	3/6/95	21.83	339.40	0	6,100	—	1,400	260	420	1,500	—	—	—	—
	6/8/95	21.29	339.94	0	14,000	—	2,100	220	540	1,700	—	—	—	—
	9/13/95	23.65	337.85	0	11,000	—	1,900	120	490	1,400	—	—	—	—
	12/16/95	24.32	336.91	0	16,000	—	1,900	<0.5	680	1,200	<2.5	—	—	—
	3/28/96	20.45	340.78	0	960	—	120	5.9	33	70	18	—	—	—
	6/27/96	22.84	338.39	0	10,000	—	1,200	46	340	1,000	66	—	—	—
361.59[16]	9/30/96	24.12	337.47	0	15,000	—	1,300	36	390	950	100	—	—	—
	12/30/96	22.64	338.95	0	12,000	—	1,200	54	470	1,300	100	—	—	—
	3/11/97	22.09	339.50	0	13,000	—	850	37	310	930	63	—	—	—
	6/10/97	**23.78**	**337.81**	**0**	**9,000**	**—**	**800**	**7.7**	**220**	**360**	**86**	**—**	**—**	**—**
MW-10	6/27/96	20.74	—	0	<50	—	<0.5	<0.5	<0.5	<0.5	<5.0	—	—	—
358.02[16]	9/30/96	22.03	335.99	0	<50	—	<0.5	<0.5	<0.5	<0.5	<5.0	—	—	—
	12/30/96	20.56	337.46	0	<50	—	<0.5	<0.5	<0.5	<0.5	<5.0	—	—	—
	3/11/97	19.93	338.09	0	<50	—	<0.5	<0.5	<0.5	<0.5	7.0	—	—	—
	6/10/97	**21.65**	**336.37**	**0**	**<50**	**—**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**5.3**	**—**	**—**	**—**
Trip Blank														
MW-AA	5/31/91	—	—	—	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	6/21/91	—	—	—	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	9/20/91	—	—	—	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	12/19/91	—	—	—	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	3/19/92	—	—	—	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
TB-LB	6/19/92	—	—	—	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	9/22/92	—	—	—	92[12]	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	12/18/92	—	—	—	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	3/10/93	—	—	—	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	3/22/93	—	—	—	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	7/25/93	—	—	—	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	9/23/93	—	—	—	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	12/22/93	—	—	—	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	3/21/94	—	—	—	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	6/29/94	—	—	—	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	7/1/94	—	—	—	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	7/6/94	—	—	—	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	9/22/94	—	—	—	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	12/8/94	—	—	—	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	3/6/95	—	—	—	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—

Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-5542, 7007 San Ramon Valley Road, Dublin, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G)	O&G	B	T	E	X	MTBE	Other HVOCs	1,2-DCA	EDB
							ppb							
TB-LB (cont)	6/8/95	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	9/13/95	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	12/16/95	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	<2.5	---	---	---
	3/28/96	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	<5.0	---	---	---
	6/27/96	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	<5.0	---	---	---
	9/30/96	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	<5.0	---	---	---
	12/30/96	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	<5.0	---	---	---
	3/11/97	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	<5.0	---	---	---
	6/10/97	---	---	---	**<50**	---	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	---	---	---
Bailer Blank	5/31/91	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
MW-BB	6/21/91	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	9/20/91	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	12/19/91	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	3/19/92	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	6/19/92	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	9/22/92	---	---	---	<50	---	<0.5	<0.5	<0.5	0.8	---	---	---	---
	12/21/92	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	3/10/93	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	3/22/93	---	---	---	<50	---	<0.5	<0.5	<0.5	0.6	---	---	---	---
	7/25/93	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	9/23/93	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	12/22/93	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	3/21/94	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---

Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-5542, 7007 San Ramon Valley Road, Dublin, 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
O&G = Oil and Grease
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
MTBE = Methyl tertiary-butyl ether
HVOCs = Halogenated Volatile Organic Compounds
1,2-DCA = 1,2-Dichloroethane
EDB = Ethylene dibromide
ppb = Parts per billion
— = Not available/not applicable

ANALYTICAL METHODS:

EPA Method 8015/5030 for TPH(G)
EPA Method 602 for BTEX
EPA Method 504 for EDB
EPA Method 8020 for BTEX & MTBE
EPA Method 8010 for HVOCs
Standards Methods Method 503E for O&G
EPA Method 413.1 for total O&G
EPA Method 624 for BTEX and VOCs
Standard Methods Method 5520 for O&G
LUFT = DHS LUFT Manual Method for OL

NOTES:

Groundwater elevation data and laboratory analytical results prior to March 6, 1995, were compiled from the Quarterly Groundwater Monitoring Reports prepared for Chevron by Sierra Environmental Services.

* Product thickness was measured with an MMC flexi-dip interface probe.
1 Top of casing elevations for monitoring wells MW-1 through MW-7 were surveyed by Ron Miller, Professional Engineer #15816 on June 26, 1991.
2 Top of casing elevations for monitoring wells MW-1 through MW-8 were surveyed by Kier & Wright of Pleasanton, California on December 12, 1991. Survey data received by SES on April 30, 1992.
3 Well could not be located on this date due to surface conditions from recent discing.
4 Monitoring well part of remediation system.
5 Monitoring well not located since March 1992 sampling event.
6 Top of casing elevation surveyed by Ron Miller, PE #15816, on January 13, 1994.
7 Monitoring well surveyed by Ron Miller, PE #15816, on July 5, 1994.
8 Other HVOCs were not detected at detection limits ranging from 0.5 to 1 ppb.
9 Chloroform and bromodichloromethane were detected at 1.3 and 0.9 ppb, respectively. Other HVOCs were not detected at detection limits ranging from 0.5 to 1 ppb.
10 A non-standard gasoline pattern was observed in the chromatogram.
11 Uncategorized compound not included in gasoline total.
12 Gasoline range concentration reported. The chromatogram shows only a single peak in the gasoline range.
13 Analytical results provided by Chevron Project Manager.
14 TPH(G) and BTEX results are estimated concentrations. Due to laboratory error, sample was analyzed past the recommended holding time. (GTEL).
15 Laboratory report indicates uncategorized compound is not included in gasoline concentration.
16 Surveyed by Virgil Chavez Land Surveying on 10/15/96, elevations based on previous TOC data.

5290.TQM

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 SAMPLING FIELD DATA SHEET

SAMPLER F. Cline DATE 6-10-97

ADDRESS 2007 San Ramon Valley Blvd JOB # 5290.85

CITY Dublin CA SS# 9-5542

Well ID MW-1 Well Condition Okay

Well Location Description

Well Diameter 2" 4" in Hydrocarbon Thickness 0

Total Depth 50' ft

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

Depth to Liquid 25.32 ft

# of casing Volume 3x 24.68 x ~~0.17~~ 0.66 x(VF) 16.3 #Estimated purge Volume 98.4 gal.

Purge Equipment Stacks Sampling Equipment Bailer

Did well dewater No If yes, Time ___ Volume ___

Starting Time 13:38 Purging Flow Rate 2.1 gpm.

Sampling Time 1406

Time	pH	Conductivity	Temperature	Volume
13:46	7.13	106	19.7	16.8
13:54	7.09	105	19.8	33.6
14:02	7.07	104	19.8	50.4
1406	7.07	103	19.7	

Weather Conditions Clear warm Breeze

Water Color: Clear Odor: Mild

Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-1	3x40mlVOA	Y	HCl	CTL	GCMS BTEX MTBE

Comments

WELL SAMPLING FIELD DATA SHEET

SAMPLER: F. Cline DATE: 6-10-97

ADDRESS: 2007 San Ramon Valley Rd JOB #: 5290.85

CITY: Dublin CA SS#: 9-5542

Well ID: MW-2 Well Condition: okay

Well Location Description:

Well Diameter: 2" in Hydrocarbon Thickness: 0

Total Depth: 39' ft

Depth to Liquid: 24.72 ft

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

# of casing Volume: 3x 14.28 x 0.17 x(VF) 2.42 #Estimated purge Volume 7.3 gal.

Purge Equipment: Stack Sampling Equipment: Bailer

Did well dewater: NO If yes, Time ___ Volume ___

Starting Time: 1210 Purging Flow Rate: 1.2 gpm.

Sampling Time: 1218

Time	pH	Conductivity	Temperature	Volume
1212	7.05	83	21.0	2.4
1214	7.06	83	20.7	4.8
1216	7.07	83	20.8	7.2
1218	7.06	83	20.7	8.0

Weather Conditions: Clear Warm Breeze

Water Color: Clear Odor: None

Sediment Description: N/a

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-2	3x40ml VOA	Y	HCl	GTEL	Gas BTEX MTBE

Comments:

WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Cline DATE 6-10-97

ADDRESS 2007 San Ramon Valley Blvd JOB # 5290.85

CITY Dublin CA SS# 9-5542

Well ID MW-3 Well Condition okay

Well Location Description

Well Diameter 2" in Hydrocarbon Thickness 0

Total Depth 35 ft

Depth to Liquid 23.60 ft

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

# of casing Volume 3x 11.40 x 0.17 x(VF) 1.9 #Estimated purge Volume 5.8 gal.

Purge Equipment Stack Sampling Equipment Bailer

Did well dewater No If yes, Time — Volume

Starting Time 12:46 Purging Flow Rate 1 gpm.

Sampling Time 1254

Time	pH	Conductivity	Temperature	Volume
1248	6.99	232	21.3	2
1250	6.99	145	20.9	4
1252	7.03	165	20.9	6
1254	7.00	170	20.9	8

Weather Conditions Clear Breeze warm

Water Color: Clear Odor: None

Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-3	3x40mlVOA	Y	HCl	CalTest	GC/MS BTEX MTBE

Comments

WELL SAMPLING FIELD DATA SHEET

SAMPLER: F. Cline DATE: 6-10-97

ADDRESS: 2007 San Ramon Valley Le JOB #: 5290.85

CITY: Dublin CA SS#: 9-5542

Well ID: MW-4 Well Condition: okay

Well Location Description:

Well Diameter: 2 in Hydrocarbon Thickness: 0

Total Depth: 36 ft

Depth to Liquid: 24.49 ft

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

# of casing Volume: 3x 11.51 x 0.17 x(VF) 1.9 #Estimated purge Volume: 5.87 gal.

Purge Equipment: Stack Sampling Equipment: Bailer

Did well dewater: N/C If yes, Time: ___ Volume: ___

Starting Time: 13:20

Sampling Time: 1328

Purging Flow Rate: 1 gpm.

Time	pH	Conductivity	Temperature	Volume
13:22	6.97	128	22.8	3
1324	6.94	119	21.4	4
1326	6.94	118	21.2	6
1328	6.94	118	21.3	7

Weather Conditions: Clear warm Breeze

Water Color: Clear Odor: Mild

Sediment Description: N/A

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-4	3x40mlVOA	Y	HCl	CTL	GRO/BTEX/MTBE

Comments:

WELL SAMPLING FIELD DATA SHEET

SAMPLER: F. Cline DATE: 6-10-97

ADDRESS: 2007 San Ramon Valley Rd JOB #: 5290.85

CITY: Dublin CA SS#: 9-5542

Well ID: MW-6 Well Condition: Okay

Well Location Description:

Well Diameter: 2" in Hydrocarbon Thickness: Ø

Total Depth: 34' ft

Depth to Liquid: 22.65 ft

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

# of casing Volume: 3x 11.35 x 0.17 x(VF) 1.9 #Estimated purge Volume 5.8 gal.

Purge Equipment: Stack Sampling Equipment: Bailer

Did well dewater: No If yes, Time ___ Volume ___

Starting Time: 12:32 Purging Flow Rate: 1 gpm.

Sampling Time: 12:40

Time	pH	Conductivity	Temperature	Volume
1234	6.99	273	19.4	2
1236	6.98	267	19.3	4
1238	6.98	201	19.4	6
1240	6.99	202	19.3	7

Weather Conditions: Clear warm Breeze

Water Color: Clear Odor: None

Sediment Description: None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-6	3x40ml VOA	Y	HCl	GTEL	Gas BTEX MTBE

Comments

4

WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Cline DATE 6-10-97

ADDRESS 2007 San Ramon Valley Dr JOB # 5290.85

CITY Dublin CA SS# 9-5542

Well ID MW-7 Well Condition Okay

Well Location Description

Well Diameter 2" in Hydrocarbon Thickness 0

Total Depth 35 ft

Depth to Liquid 24.70 ft

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

# of casing Volume 3x 10.30 x 0.17 x(VF) 1.75 #Estimated purge Volume 5.2 gal.

Purge Equipment Stack Sampling Equipment Bailer

Did well dewater No If yes, Time ___ Volume ___

Starting Time 11:35 Purging Flow Rate 1 gpm.

Sampling Time 1143

Time	pH	Conductivity	Temperature	Volume
11.37	6.07	63	20.0	2
1139	6.29	70	19.6	4
1141	6.18	74	19.5	6
1143	6.20	73	19.6	7

Weather Conditions Clear warm Breeze

Water Color: Clear Odor: None

Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-7	3x40mlVOA	Y	HCl	CTL	GAS/BTEX/MTBE

Comments

WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Cline DATE 6-10-97

ADDRESS 2007 San Ramon Valley Rd JOB # 5290.85

CITY Dublin CA SS# 9-5542

Well ID MW-8 Well Condition Okay

Well Location Description

Well Diameter 2" in Hydrocarbon Thickness ∅

Total Depth 24' ft

Depth to Liquid 19.91 ft

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

\# of casing Volume 3x 4.09 x 0.17 x(VF) 0.69 #Estimated purge Volume 20 gal.

Purge Equipment Stack Sampling Equipment Bailer

Did well dewater No If yes, Time Volume

Starting Time 1152 Purging Flow Rate 1 gpm.

Sampling Time 1157

Time	pH	Conductivity	Temperature	Volume
1153	6.85	85	20.3	1
1154	6.89	85	20.0	2
1155	7.04	85	19.7	3
1157	7.00	85	20.0	3.5

Weather Conditions Sunny warm Breezy

Water Color: Clear Odor: None

Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-8	3x40ml VOA	Y	HCl	GTEL	GasBTEX/MTBE

Comments

WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Cline DATE 6-10-97

ADDRESS 2067 San Ramon Valley Le JOB # 5290.85

CITY Dublin CA SS# 9-5542

Well ID MW-9 Well Condition Okay

Well Location Description

Well Diameter 2" in Hydrocarbon Thickness 0

Total Depth 33' ft

Depth to Liquid 23.78 ft

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

# of casing Volume 3x 9.22 x 0.17 x(VF) 1.16 #Estimated purge Volume 9.7 gal.

Purge Equipment Stack Sampling Equipment Bailer

Did well dewater N/C If yes, Time ___ Volume

Starting Time 1306 Purging Flow Rate 1 gpm.

Sampling Time 1314

Time	pH	Conductivity	Temperature	Volume
1308	6.99	138	21.4	2
1310	6.95	129	20.8	4
1312	6.94	127	20.7	6
1314	6.96	128	20.8	7

Weather Conditions Clear Warm Breeze

Water Color: Clear Odor: Mild

Sediment Description N/A

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-9	3x40mlVOA	Y	HCl	CTL	GCS BTEX MTBE

Comments

WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Cline DATE 6-10-97

ADDRESS 2007 San Ramon Valley Blvd JOB # 5290.85

CITY Dublin CA SS# 9-5542

Well ID MW-10 Well Condition okay

Well Location Description

Well Diameter 2 in Hydrocarbon Thickness 0

Total Depth 35' ft

Depth to Liquid 21.65 ft

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

# of casing Volume 3x 13.35 x 0.17 x(VF) 2.3 #Estimated purge Volume 6.8 gal.

Purge Equipment Stack Sampling Equipment Bailer

Did well dewater — If yes, Time — Volume

Starting Time 503 Purging Flow Rate 1.7 gpm.

Sampling Time

Time	pH	Conductivity	Temperature	Volume
505	6.35	87	19.6	2.4
507	6.55	97	20.1	4.8
509	6.48	100	20.3	7.2
511	6.50	99	20.2	9.6

Weather Conditions Clear warm

Water Color: Clear Odor: None

Sediment Description N/A

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-10	3x40mlVOA	Y	HCl	CTEL	8015/8020 MTBE

Comments

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

Chain-of-Custody-Record

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

Chevron Facility Number: #9-5542
Facility Address: 7007 San Ramon Valley Rd., Dublin, CA
Consultant Project Number: 5290.80
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): Mr. Brett Hunter
(Phone): (510) 842-8695
Laboratory Name: NEI/GTEL Service Code: ZZ02790
Laboratory Service Order #: 9034273
Samples Collected by (Name): H Cline
Collection Date: 6-10-97
Signature:

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)	Analyses To Be Performed: TPH Gas + BTEX w/MTBE (8020)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)					DO NOT BILL TB-LB ANALYSIS Remarks
TB-LB	01	2	W	TB	—	HCl	Y	X												
MW-7	02	3		G				X												
MW-8	03							X												
MW-2	04							X												
MW-6	05							X												
MW-3	06							X												
MW-9	07							X												
MW-4	08							X												
MW-1	09							X												
MW-10	10							X												

37-06.0167

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	G-R Inc.	6/11/97 1080		G-R Inc.	6/11/97
Relinquished By (Signature)	Organization	Date/Time 1030	Received By (Signature)	Organization	Date/Time 1030
	G-R	6/11/97		Nei/GTEL	6/11/97
Relinquished By (Signature)	Organization	Date/Time 1600	Received For Laboratory By (Signature)		Date/Time
	Nei/GTEL	6/12/97			6/13/97

Turn Around Time (Circle Choice) 08/5
24 Hrs.
48 Hrs.
5 Days
10 Days
As Contracted

COC-3.DWG/03 91/mCH

NEI/GTEL
ENVIRONMENTAL LABORATORIES, INC.

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

June 23, 1997

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

RE: NEI/GTEL Client ID: GTR01CHV08
Login Number: W7060169
Project ID (number): 5290.80
Project ID (name): CHEVRON/9-5542/7007 SAN RAMON VALLEY RD/DUBLIN/CA

Dear Deanna Harding:

Enclosed please find the analytical results for the samples received by NEI/GTEL Environmental Laboratories, Inc. on 06/13/97.

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.

Terry R. Loucks
Laboratory Director

ANALYTICAL RESULTS
Volatile Organics

NEI/GTEL Client ID: GTR01CHV08
Login Number: W7060169
Project ID (number): 5290.80
Project ID (name): CHEVRON/9-5542/7007 SAN RAMON VALLEY RD/DUBLIN/CA

Method: EPA 8020A
Matrix: Aqueous

NEI/GTEL Sample Number	W7060169-01	W7060169-02	W7060169-03	W7060169-04
Client ID	TB-LB	MW-7	MW-8	MW-2
Date Sampled		06/10/97	06/10/97	06/10/97
Date Analyzed	06/19/97	06/20/97	06/19/97	06/19/97
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
BTEX (total)	--	ug/L	--	--	--	--
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: W7060169
Project ID (number): 5290.80
Project ID (name): CHEVRON/9-5542/7007 SAN RAMON VALLEY RD/DUBLIN/CA

Method: EPA 8020A
Matrix: Aqueous

NEI/GTEL Sample Number	W7060169-05	W7060169-06	W7060169-07	W7060169-08
Client ID	MW-6	MW-3	MW-9	MW-4
Date Sampled	06/10/97	06/10/97	06/10/97	06/10/97
Date Analyzed	06/19/97	06/19/97	06/19/97	06/19/97
Dilution Factor	1.00	1.00	10.0	20.0

Analyte	Reporting Limit	Units	Concentration:			
MTBE	5.0	ug/L	< 5.0	18.	86.	< 100
Benzene	0.5	ug/L	1.6	1.8	800	2900
Toluene	0.5	ug/L	2.3	4.8	7.7	790
Ethylbenzene	0.5	ug/L	< 0.5	0.8	220	750
Xylenes (total)	0.5	ug/L	1.2	1.1	360	1700
BTEX (total)	--	ug/L	5.1	8.5	1400	6100
TPH as Gasoline	50	ug/L	< 50	1400	9000	17000

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: W7060169
Project ID (number): 5290.80
Project ID (name): CHEVRON/9-5542/7007 SAN RAMON VALLEY RD/DUBLIN/CA

Method: EPA 8020A
Matrix: Aqueous

NEI/GTEL Sample Number	W7060169-09	W7060169-10	--	--
Client ID	MW-1	MW-10	--	--
Date Sampled	06/10/97	06/10/97	--	--
Date Analyzed	06/19/97	06/19/97	--	--
Dilution Factor	100.	1.00	--	--

Analyte	Reporting Limit	Units	Concentration:			
MTBE	5.0	ug/L	< 500	5.3	--	--
Benzene	0.5	ug/L	9900	< 0.5	--	--
Toluene	0.5	ug/L	15000	< 0.5	--	--
Ethylbenzene	0.5	ug/L	1400	< 0.5	--	--
Xylenes (total)	0.5	ug/L	7000	< 0.5	--	--
BTEX (total)	--	ug/L	33000	--	--	--
TPH as Gasoline	50	ug/L	63000	< 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.

NEI/GTEL Client ID: GTR01CHV08
Login Number: W7060169
Project ID (number): 5290.80
Project ID (name): CHEVRON/9-5542/7007 SAN RAMON VALLEY RD/DUBLIN/CA

QUALITY CONTROL RESULTS

Volatile Organics
Method: EPA 8020A
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
Login Number: W7060169
Project ID (number): 5290.80
Project ID (name): CHEVRON/9-5542/7007 SAN RAMON VALLEY RD/DUBLIN/CA

QUALITY CONTROL RESULTS

Volatile Organics
Method: EPA 8020A
Matrix: Aqueous

Surrogate Results

QC Batch No.	Reference	Sample ID	TFT
Method: EPA 8020A		Acceptability Limits:	43-136%
061897GC14-1	CV0618972014	Calibration Verifi	97.8
061897GC14-3	BW06189714	Method Blank Water	99.1
061897GC14-4	MS06016902	Matrix Spike	98.5
061897GC14-5	DP06016909	Duplicate	108.
--	06016901	TB-LB	96.1
--	06016902	MW-7	67.8
--	06016903	MW-8	100.
--	06016904	MW-2	89.9
--	06016905	MW-6	100.
--	06016906	MW-3	107.
--	06016907	MW-9	101.
--	06016908	MW-4	109.
--	06016909	MW-1	101.
--	06016910	MW-10	91.0

Notes:
*: Indicates values outside of acceptability limits. See Nonconformance Summary.

Project ID (Number): 5290.80
Project ID (Name): Chevron SS #9-5542
7007 San Ramon Valley Rd.
Dublin, CA
Work Order Number: W7-06-0169
Date Reported: 06-23-97

METHOD BLANK REPORT

Volatile Organics in Water
EPA Method 8020A

Date of Analysis: 18-JUN-97 QC Batch No: 061897GC14-3

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
Login Number: W7060169
Project ID (number): 5290.80
Project ID (name): CHEVRON/9-5542/7007 SAN RAMON VALLEY RD/DUBLIN/CA

QUALITY CONTROL RESULTS

Volatile Organics
Method: EPA 8020A
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:061897GC14-1			
Benzene		20.0	15.4	77.0	77-123%
Toluene		20.0	18.1	90.5	77.5-122.5%
Ethylbenzene		20.0	16.3	81.5	63-137%
Xylenes (Total)		60.0	53.6	89.3	85-115%
TPH as Gasoline		500.	524.	105.	80-120%

Notes:
QC check source: Supelco #LA12389

NEI/GTEL Client ID: GTR01CHV08
Login Number: W7060169
Project ID (number): 5290.80
Project ID (name): CHEVRON/9-5542/7007 SAN RAMON VALLEY RD/DUBLIN/CA

QUALITY CONTROL RESULTS

Volatile Organics
Method: EPA 8020A
Matrix: Aqueous

Duplicate Sample Results

Analyte	Original Concentration	Duplicate Concentration	RPD, %	Acceptability Limits, %
EPA 8020A Units: ug/L	QC Batch: 061897GC14-5	GTEL Sample ID: W7060169-09		Client ID: MW-1
MTBE	< 1000	< 1000	NA	20
Benzene	9920	9830	0.911	23.9
Toluene	15400	15100	1.97	27.2
Ethylbenzene	1370	1320	3.72	21.6
Xylenes (Total)	6970	6730	3.50	22.0
TPH as Gasoline	63400	62300	1.75	20

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

NEI/GTEL Client ID: GTR01CHV08
Login Number: W7060169
Project ID (number): 5290.80
Project ID (name): CHEVRON/9-5542/7007 SAN RAMON VALLEY RD/DUBLIN/CA

QUALITY CONTROL RESULTS

Volatile Organics
Method: EPA 8020A
Matrix: Aqueous

Matrix Spike(MS) Results

GTEL Sample ID:W7060169-02
Analysis Date: 20-JUN-97

MS ID:MS06016902
19-JUN-97

Units: ug/L Analyte	Sample Conc.	Spike Added	MS Conc.	MS % Rec.	Acceptability Limits %Rec.
Benzene	< 0.5 (0.000)	20.0	15.8	79.0	67-110
Toluene	< 0.5 (0.000)	20.0	18.2	91.0	68-115
Ethylbenzene	< 0.5 (0.000)	20.0	15.9	79.5	65-120
Xylenes (Total)	< 0.5 (0.000)	60.0	52.3	87.2	62-119

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