Chevron

Chevron U.S.A. Products Company
6001 Bollinger Canyon Rd. Bldg. L
P. O. Box 6004
San Ramon, CA 94583-0804

Site Assessment and Remediation Group
Phone (510) 842-9500
Fax (510) 842-8370

Date: NOVEMBER 11, 1997

To: Distribution

Re: Groundwater Monitoring Report

The enclosed groundwater monitoring report has been properly reviewed by a Chevron authorized representative. Agency guidelines have been followed. Gettler-Ryan is authorized to distribute the report directly to interested parties.

If you have any questions, please call me at (510) 842-8695.

Sincerely,

Brett L. Hunter

Brett Hunter
Site Assessment and Remediation
Project Manager

- Discontinue sampling of wells MW-7, MW-8
- Semi annual sampling of wells MW-1, MW-4, MW-9 and MW-10
- RBCA coming?

CHEVRON #9-5542, DUBLIN
(G-R JOB #5290)

GETTLER-RYAN INC.

November 4, 1997 Job #5290.80

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

Re: Third 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 October 1, 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 October 1, 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

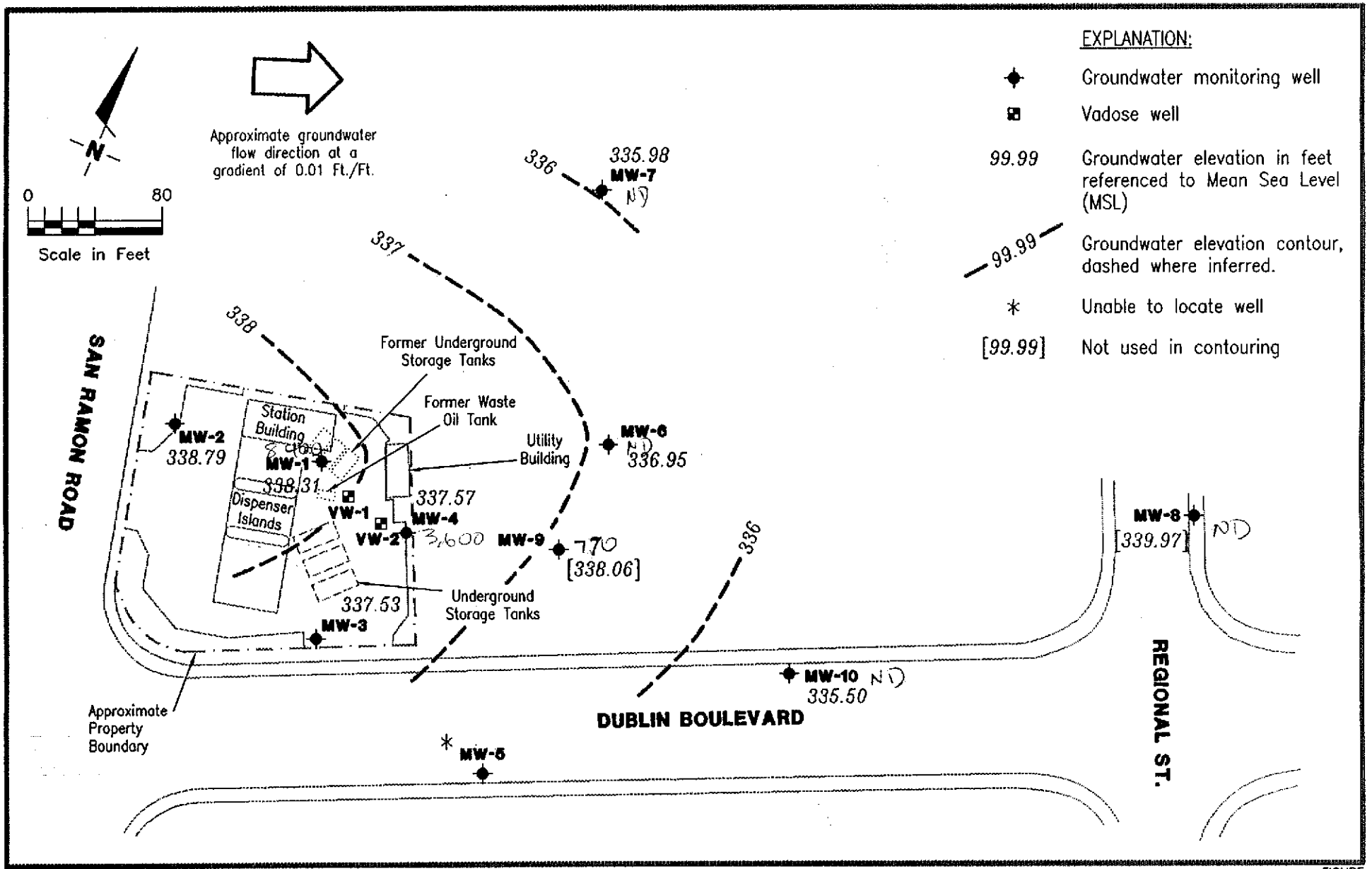
Stephen J. Carter
Senior Geologist, R.G. No. 5523

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

JOB NUMBER	REVIEWED BY	DATE	REVISED DATE
5290		October 1, 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[5]	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[5]	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[5]	3.3	---
	3/19/92	24.63	339.35	0	30,000	---	8,500	3,600	590	2,400	---	ND[5]	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	---	---	---
	10/1/97	**26.01**	**338.31**	**0**	**48,000**	**---**	**8,400**	**12,000**	**1,200**	**5,700**	**<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[5]	<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	---	---	---	---

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	3/19/92	24.46	339.73	0	<50	---	2.5	2.0	1.1	2.4	---	---	---	---
(cont)364.64[2]	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	—	—	—
	10/1/97	**25.85**	**338.79**	**0**	**<50**	**---**	**1.0**	**1.2**	**<0.5**	**1.7**	**<5.0**	**---**	**---**	**---**
MW-3/	4/3-4/90	—	—	—	2,200	---	36	5	6	17	—	—	---	<0.02
361.92[1]	5/31/91	23.20	338.72	0	2,200	—	130	11	31	78	—	ND[6]	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	---	---	---	—

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	6/29/94	—	—	—	1,700	—	90	6.1	20	81	—	—	—	—
(cont)	7/6/94	25.08	337.18	0	—	—	—	—	—	—	—	—	—	—
	9/22/94	24.78	337.48	0	2,600	—	72	7.6	110	370	—	—	—	—
	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	—	—	—
	10/1/97	**24.73**	**337.53**	**0**	**1,100**	**—**	**0.6**	**2.2**	**1.0**	**1.3**	**7.8**	**—**	**—**	**—**
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[g]	<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[g]	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[g]	17	—
	3/19/92	23.66	339.04	0	21,000	—	3,800	2,900	500	3,200	—	ND[g]	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	—	—	—

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	3/28/96	20.97	342.10	0	8,600	---	1,300	920	330	1,100	<10	---	---	---
(cont)	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	---	---	---
	12/30/96	23.28	339.79	0	15,000	---	2,300	1,000	600	1,900	84	---	---	---
	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	---	---	---
	10/1/97	**25.50**	**337.57**	**0**	**21,000**	**---**	**3,600**	**1,400**	**1,300**	**2,700**	**<50**	**---**	**---**	**---**
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[5]	<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		---	---	---	---	---	---	---	---	---	---	---
	10/1/97	**Unable to locate**		**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**

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/														
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	---	---	---	---	---	---	---	---	---	---
	12/19/91	25.34	334.88	0	380	---	2.7	4.0	15	10	---	---	---	---
	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	---	---	---
	10/1/97	**23.63**	**336.95**	**0**	**<50**	**-**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<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]	---	---	---	---	---	---	---	---	---	---	---	---	---

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	12/18/92[3]	---	---	---	---	---	---	---	---	---	---	---	---	---
(cont)	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	---	---	---	---
	7/6/94	26.45	335.23	0	---	---	---	---	---	---	---	---	---	---
	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	---	---	---
	10/1/97	**25.70**	**335.98**	**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	---	---	---

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-8(cont)	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	—	—	—
	10/1/97	**20.71**	**339.87**	**0**	**<50**	—	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	—	—	—
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	—	—	—
	10/1/97	**23.53**	**338.06**	**0**	**7,000**	—	**770**	**13**	**270**	**540**	**99**	—	—	—
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	—	—	—
	10/1/97	**22.52**	**335.50**	**0**	**<50**	—	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	—	—	—
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	—	—	—	—

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)	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	—	—	—	—
	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	—	—	—
	10/1/97	—	—	—	**<50**	—	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	—	—	—
Bailer Blank MW-BB	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	—	—	—	—
	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 MONITORING/SAMPLING
FIELD DATA SHEET

Chevron Facility # 9-5542 Job#: 5290.80

Address: 7007 San Ramon Valley Road Date: 10-1-97

City: ~~San Ramon, CA~~ Dublin Sampler: F.Cline

Well ID MW- 1 Well Condition: Okay

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

Total Depth 50 ft.

Depth to Water 26.01 ft.

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

23.99 X VF 0.66 = 16 X 3 (case volume) = Estimated Purge Volume: 48 (gal.)

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

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

Starting Time: 12:40 Weather Conditions: Clear warm

Sampling Time: 1307 Water Color: Clear Odor: None

Purging Flow Rate: 2 gpm. Sediment Description: None

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

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
12:48	16	6.74	216	19.5			
12:56	32	6.71	216	19.8			
1304	48	6.66	209	19.7			
1307	49	6.68	210	19.8			

LABORATORY INFORMATION

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

COMMENTS: _____

9/97-fieldat.frm

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Chevron Facility # 9-5542 Job#: 5290.80

Address: 7007 San Ramon Valley Road Date: 10-1-97

City: ~~San Ramon, CA~~ Dublin Sampler: F.Cline

Well ID MW- 2 Well Condition: Okay

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

Total Depth 39' ft.

Depth to Water 25.85 ft.

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

13.15 X VF 0.17 = 2.2 X 3 (case volume) = Estimated Purge Volume: 6.7 (gal.)

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

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

Starting Time: 1112 Weather Conditions: Clear warm

Sampling Time: 1132 Water Color: Clear Odor: None

Purging Flow Rate: 2.1 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)
1126	2.2	6.74	298	21.3			
1128	4.4	6.69	275	20.4			
1130	6.6	6.69	273	20.3			
1132	7.0	6.69	274	20.4			

LABORATORY INFORMATION

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

COMMENTS: _____

9/97-fieldat.fm

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Chevron Facility # 9-5542 Job#: 5290.80

Address: 7007 San Ramon Valley Road Date: 9/7-97

City: ~~San Ramon, CA~~ Dublin Sampler: F.Cline

Well ID MW-3 Well Condition: okay

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

Total Depth 35 ft.

Depth to Water 24.73 ft.

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

0.27 X VF 0.17 = 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: 12:17 Weather Conditions: clear warm

Sampling Time: 1225 Water Color: clear Odor: None

Purging Flow Rate: 1 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)
12:19	2	6.56	251	20.8			
12:21	4	6.53	246	20.3			
1223	6	6.52	244	20.2			
1225	7	6.53	245	20.3			

LABORATORY INFORMATION

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

COMMENTS: _____

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WELL MONITORING/SAMPLING
FIELD DATA SHEET

Chevron Facility # 9-5542 Job#: 5290.80

Address: 7007 San Ramon Valley Road Date: 10-1-97

City: ~~San Ramon~~, CA Dublin Sampler: F.Cline

Well ID MW- 4 Well Condition: Okay

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

Total Depth 30' ft.

Depth to Water 25.50 ft.

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

16x50 X VF 0.17 = 1.5 X 3 (case volume) = Estimated Purge Volume: 4.5 (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: 12:37 Water Color: clear Odor: None

Purging Flow Rate: 1.5 gpm. Sediment Description: None

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

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1233	1.5	6.50	25.3	23.0			
1234	3.0	6.52	238	21.2			
1235	4.5	6.03	233	20.7			
1237	5.0	6.52	234	20.8			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- 4	3 x 40m/VOA	Y	HCL	NEI/GTEL	TPH-Gas/BTEX/MTBE

COMMENTS: _____

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Chevron Facility # 9-5542 Job#: 5290.80

Address: 7007 San Ramon Valley Road Date: 10-1-97

City: ~~San Ramon~~, CA Dublin Sampler: F.Cline

Well ID MW-4 Well Condition: Okay

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

Total Depth 30' ft.

Depth to Water 25.50 ft.

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

10x50 X VF 0.17 = 1.5 X 3 (case volume) = Estimated Purge Volume: 4.5 (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: 12:37 Water Color: clear Odor: None

Purging Flow Rate: 1.5 gpm. Sediment Description: None

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

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1233	1.5	6.50	25.3	23.0			
1234	3.0	6.52	238	21.2			
1235	4.5	6.53	233	20.7			
1237	5.0	6.52	234	20.8			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-4	3 x 40m/VOA	Y	HCL	NEI/GTEL	TPH-Gas/BTEX/MTBE

COMMENTS: _____

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Chevron Facility # 9-5542 Job#: 5290.80

Address: 7007 San Ramon Valley Road Date: 10/1-97

City: ~~San Ramon, CA~~ Pleasanton Sampler: F.Cline

Well ID MW-6 Well Condition: clear

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

Total Depth 34 ft.

Depth to Water 23.63 ft.

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

10.37 X VF 0.17 = 1.8 X 3 (case volume) = Estimated Purge Volume: 53 (gal.)

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

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

Starting Time: 1145 Weather Conditions: clear Warm

Sampling Time: 1153 Water Color: Clear Odor: None

Purging Flow Rate: 1 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)
1147	2	6.63	266	19.6			
1149	4	6.64	264	19.2			
1151	6	6.63	263	19.1			
1153	7	6.64	263	19.2			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-6	3 x 40m/VOA	Y	HCL	NEI/GTEL	TPH-Gas/BTEX/MTBE

COMMENTS: _____

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Chevron Facility # 9-5542 Job#: 5290.80

Address: 7007 San Ramon Valley Road Date: 10-1-97

City: ~~San Ramon, CA~~ Dublin Sampler: F.Cline

Well ID MW- 7 Well Condition: Okay

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

Total Depth 35 ft.

Depth to Water 25.70 ft.

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

9.30 X VF 0.17 = 1.6 X 3 (case volume) = Estimated Purge Volume: 4.7 (gal.)

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

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

Starting Time: 1104 Weather Conditions: okay clear warm

Sampling Time: 1109 Water Color: clear Odor: None

Purging Flow Rate: 1.6 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)
1105	1.6	6.76	300	19.7			
1106	3.2	6.68	297	19.3			
1107	4.8	6.68	298	19.3			
1109	5.0	6.67	298	19.3			

LABORATORY INFORMATION

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

COMMENTS: _____

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Chevron Facility # 9-5542 Job#: 5290.80

Address: 7007 San Ramon Valley Road Date: 10/7-97

City: ~~San Ramon, CA~~ Dublin Sampler: F.Cline

Well ID MW- 8 Well Condition: Okay

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

Total Depth 24' ft.

Depth to Water 20.71 ft.

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

3.29 X VF 0.17 (0.55) = 0.55 X 3 (case volume) = Estimated Purge Volume: 1.7 (gal.)

Purge Equipment:	Sampling Equipment:
~~Disposable Bailer~~	~~Disposable Bailer~~
~~Bailer~~	Bailer
Stack	Pressure Bailer
Suction	Grab Sample
Grundfos	
Other:	Other:

Starting Time: 10:48 Weather Conditions: Clear warm

Sampling Time: 1057 Water Color: Clear Odor: None

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

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

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
10:49	0.6	7.27	399	20.9			
1050	1.2	7.00	398	20.8			
1057	1.8	7.25	399	20.9			

LABORATORY INFORMATION

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

COMMENTS: _____

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WELL MONITORING/SAMPLING
FIELD DATA SHEET

Chevron Facility # 9-5542 Job#: 5290.80

Address: 7007 San Ramon Valley Road Date: 10-1-97

City: ~~San Ramon, CA~~ Dublin Sampler: E.Cline

Well ID 9 ~~MW-10~~ MW-9 Well Condition: Okay

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

Total Depth ~~35~~ 33 ft.

Depth to Water 23.53 ~~25.38~~ ft.

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

9 ~~11~~.97 X VF 0.17 = 1.9 X 3 (case volume) = Estimated Purge Volume: 5.8 (gal.)

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

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

Starting Time: 1201 Weather Conditions: Clear

Sampling Time: 1209 Water Color: Clear Odor: None

Purging Flow Rate: 1 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)
1203	2	6.58	266	21.0			
1205	4	6.59	264	20.9			
1207	6	6.65	261	20.9			
1209	7	6.64	262	20.9			

LABORATORY INFORMATION

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

COMMENTS: _____

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Chevron Facility # 9-5542 Job#: 5290.80

Address: 7007 San Ramon Valley Road Date: 10-1-97

City: ~~San Ramon, CA~~ Dublin Sampler: E.Cline

Well ID MW- 10 Well Condition: Okay

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

Total Depth 35.1 ft.

Depth to Water 22.52 ft.

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

12.98 X VF 0.17 = 2.12 X 3 (case volume) = Estimated Purge Volume: 6.4 (gal.)

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

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

Starting Time: 14:16 Weather Conditions: Clear warm

Sampling Time: 14:24 Water Color: Clear Odor: None

Purging Flow Rate: 1.2 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)
14:18	2.9	6.50	224	21.7			
14:20	4.8	6.56	228	21.5			
14:22	7.2	6.53	227	20.5			
14:24	8.0	6.53	228	20.4			

LABORATORY INFORMATION

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

COMMENTS: _____

Fax copy of Lab Report and COC to Chevron Contact: LI 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) [illegible]
Collection Date 10-1-97
Signature

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air 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 (8015) (8020)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)					DO NOT BILL TB-LB ANALYSIS / Remarks
TB-DB	01	2	W	TB		HCl	Y	X												
MW-8	02	3		G	1051			X												
MW-7	03				1105			X												
MW-2	04				1133			X												
MW-6	05				1153			X												
MW-10	06				1404			X												
MW-3	07				1225			X												
MW-9	08				1209			X												
MW-4	09				1231			X												
MW-1	10				1307			X												

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
[signature]	G-R Inc.	10/2/97 0800	D. Harding	G-R Inc.	10/2/97 0800
D. Harding	GR	10/2/97 11:13	[signature]	NEI/GTEL	10/2/97 1113
[signature]	NEI/GTEL	10/2/97 1600	Received For Laboratory By (Signature) [signature]		10/2/97 1615

Turn Around Time (Circle Choice)
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)

October 13, 1997

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

RE: NEI/GTEL Client ID: GTR01CHV08
Login Number: W7100094
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 10/04/97.

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, Roject Coordinator for
Terry R. Loucks
Laboratory Director

ANALYTICAL RESULTS
Volatile Organics

NEI/GTEL Client ID: GTR01CHV08
Login Number: W7100094
Project ID (number): 5290.80 Method: EPA 8020A
Project ID (name): CHEVRON/9-5542/7007 SAN RAMON VALLEY RD/DUBLIN/CA Matrix: Aqueous

NEI/GTEL Sample Number	W7100094-01	W7100094-02	W7100094-03	W7100094-04
Client ID	TB-LB	MW-8	MW-7	MW-2
Date Sampled		10/01/97	10/01/97	10/01/97
Date Analyzed	10/08/97	10/08/97	10/08/97	10/09/97
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	1.0
Toluene	0.5	ug/L	< 0.5	< 0.5	< 0.5	1.2
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	1.7
BTEX (total)	--	ug/L	--	--	--	3.9
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: W7100094
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	W7100094-05	W7100094-06	W7100094-07	W7100094-08
Client ID	MW-6	MW-10	MW-3	MW-9
Date Sampled	10/01/97	10/01/97	10/01/97	10/01/97
Date Analyzed	10/09/97	10/09/97	10/09/97	10/09/97
Dilution Factor	1.00	1.00	1.00	10.0

Analyte	Reporting Limit	Units	Concentration:			
MTBE	5.0	ug/L	< 5.0	< 5.0	7.8	99.
Benzene	0.5	ug/L	< 0.5	< 0.5	0.6	770
Toluene	0.5	ug/L	< 0.5	< 0.5	2.2	13.
Ethylbenzene	0.5	ug/L	< 0.5	< 0.5	1.0	270
Xylenes (total)	0.5	ug/L	< 0.5	< 0.5	1.3	540
BTEX (total)	--	ug/L	--	--	5.1	1600
TPH as Gasoline	50	ug/L	< 50	< 50	1100	7000

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: W7100094
Project ID (number): 5290.80 Method: EPA 8020A
Project ID (name): CHEVRON/9-5542/7007 SAN RAMON VALLEY RD/DUBLIN/CA Matrix: Aqueous

NEI/GTEL Sample Number	W7100094-09	W7100094-10	--	--
Client ID	MW-4	MW-1	--	--
Date Sampled	10/01/97	10/01/97	--	--
Date Analyzed	10/09/97	10/09/97	--	--
Dilution Factor	10.0	100.	--	--

Analyte	Reporting Limit	Units	Concentration:			
MTBE	5.0	ug/L	< 50.	< 500	--	--
Benzene	0.5	ug/L	3600	8400	--	--
Toluene	0.5	ug/L	1400	12000	--	--
Ethylbenzene	0.5	ug/L	1300	1200	--	--
Xylenes (total)	0.5	ug/L	2700	5700	--	--
BTEX (total)	--	ug/L	9000	27000	--	--
TPH as Gasoline	50	ug/L	21000	48000	--	--

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 QUALITY CONTROL RESULTS
Login Number: W7100094 Volatile Organics
Project ID (number): 5290.80 Method: EPA 8020A
Project ID (name): CHEVRON/9-5542/7007 SAN RAMON VALLEY RD/DUBLIN/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: W7100094 Volatile Organics
Project ID (number): 5290.80 Method: EPA 8020A
Project ID (name): CHEVRON/9-5542/7007 SAN RAMON VALLEY RD/DUBLIN/CA Matrix: Aqueous

Surrogate Results

QC Batch No.	Reference	Sample ID	TFT
Method: EPA 8020A		Acceptability Limits:	43-136%
1008975-1	CV100897205	Calibration Verifi	86.2
1008975-2	BW1008975	Method Blank Water	83.7
1008975-3	MS10009301	Matrix Spike	85.1
1008975-8	DP10009410	Duplicate	85.6
--	10009401	TB-LB	82.9
--	10009402	MW-8	81.4
--	10009403	MW-7	81.2
--	10009404	MW-2	82.6
--	10009405	MW-6	83.5
--	10009406	MW-10	83.2
--	10009407	MW-3	105.
--	10009408	MW-9	86.3
--	10009409	MW-4	90.3
--	10009410	MW-1	89.8

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

Project ID (Number): 5290.80
Project ID (Name): Chevron SS #9-5542
7007 San Ramon Valley Rd
Dublin, CA
Work Order Number: W7-10-0094
Date Reported: 10-13-97

METHOD BLANK REPORT

Volatile Organics in Water
EPA Method 8020A

Date of Analysis: 08-OCT-97 QC Batch No: 1008975-2

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: W7100094 Volatile Organics
Project ID (number): 5290.80 Method: EPA 8020A
Project ID (name): CHEVRON/9-5542/7007 SAN RAMON VALLEY RD/DUBLIN/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:1008975-1			
Benzene	20.0	19.5	97.5	77-123%
Toluene	20.0	22.8	114.	77.5-122.5%
Ethylbenzene	20.0	20.7	104.	63-137%
Xylenes (Total)	60.0	65.0	108.	85-115%
TPH as Gasoline	500.	473.	94.6	80-120%

Notes:
QC check source: Supelco #LA12389

NEI/GTEL Client ID: GTR01CHV08 QUALITY CONTROL RESULTS
Login Number: W7100094 Volatile Organics
Project ID (number): 5290.80 Method: EPA 8020A
Project ID (name): CHEVRON/9-5542/7007 SAN RAMON VALLEY RD/DUBLIN/CA Matrix: Aqueous

Duplicate Sample Results

Analyte	Original Concentration	Duplicate Concentration	RPD, %	Acceptability Limits, %
EPA 8020A Units: ug/L	QC Batch: 1008975-8	GTEL Sample ID: W7100094-10		Client ID: MW-1
MTBE	< 1000	< 1000	NA	20
Benzene	8430	7970	5.61	23.9
Toluene	12400	11800	4.96	27.2
Ethylbenzene	1250	1170	6.61	21.6
Xylenes (Total)	5720	5410	5.57	22.0
TPH as Gasoline	48000	46300	3.61	20

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

NEI/GTEL Client ID: GTR01CHV08 QUALITY CONTROL RESULTS
Login Number: W7100094 Volatile Organics
Project ID (number): 5290.80 Method: EPA 8020A
Project ID (name): CHEVRON/9-5542/7007 SAN RAMON VALLEY RD/DUBLIN/CA Matrix: Aqueous

Matrix Spike(MS) Results

GTEL Sample ID:W7100093-01 MS ID:MS10009301
Analysis Date: 08-OCT-97 08-OCT-97

Units: ug/L Analyte	Sample Conc.	Spike Added	MS Conc.	MS % Rec.	Acceptability Limits %Rec.
Benzene	< 0.5 (0.0700)	20.0	18.7	93.2	67-110
Toluene	< 0.5 (0.000)	20.0	21.9	110.	68-115
Ethylbenzene	< 0.5 (0.000)	20.0	19.7	98.5	65-120
Xylenes (Total)	< 0.5 (0.000)	60.0	62.1	104.	62-119

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