GETTLER-RYAN INC.

August 2, 1996

Job #5290.80

- drop analysis of MW-2, MW-7 and MW-8
- locate MW-3 for proper abandonment
  If necessary
- semi annual purge of MW-3, MW-6, MW-8
- 1/4 Qtr - MW-1 and MW-4 and MW-9

Mr. Brett Hunter
Chevron USA Products Company
P.O. Box 5004
San Ramon, CA 94583

Re: 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 27, 1996, 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 due to street widening work.

Static groundwater levels were measured on June 27, 1996. All wells were checked for the presence of separate-phase hydrocarbons. Separate-phase hydrocarbons were not present in any of the site 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 to provide environmental services to Chevron. Please call if you have any questions or comments regarding this report.

Sincerely,

Deanna L. Harding
Project Coordinator

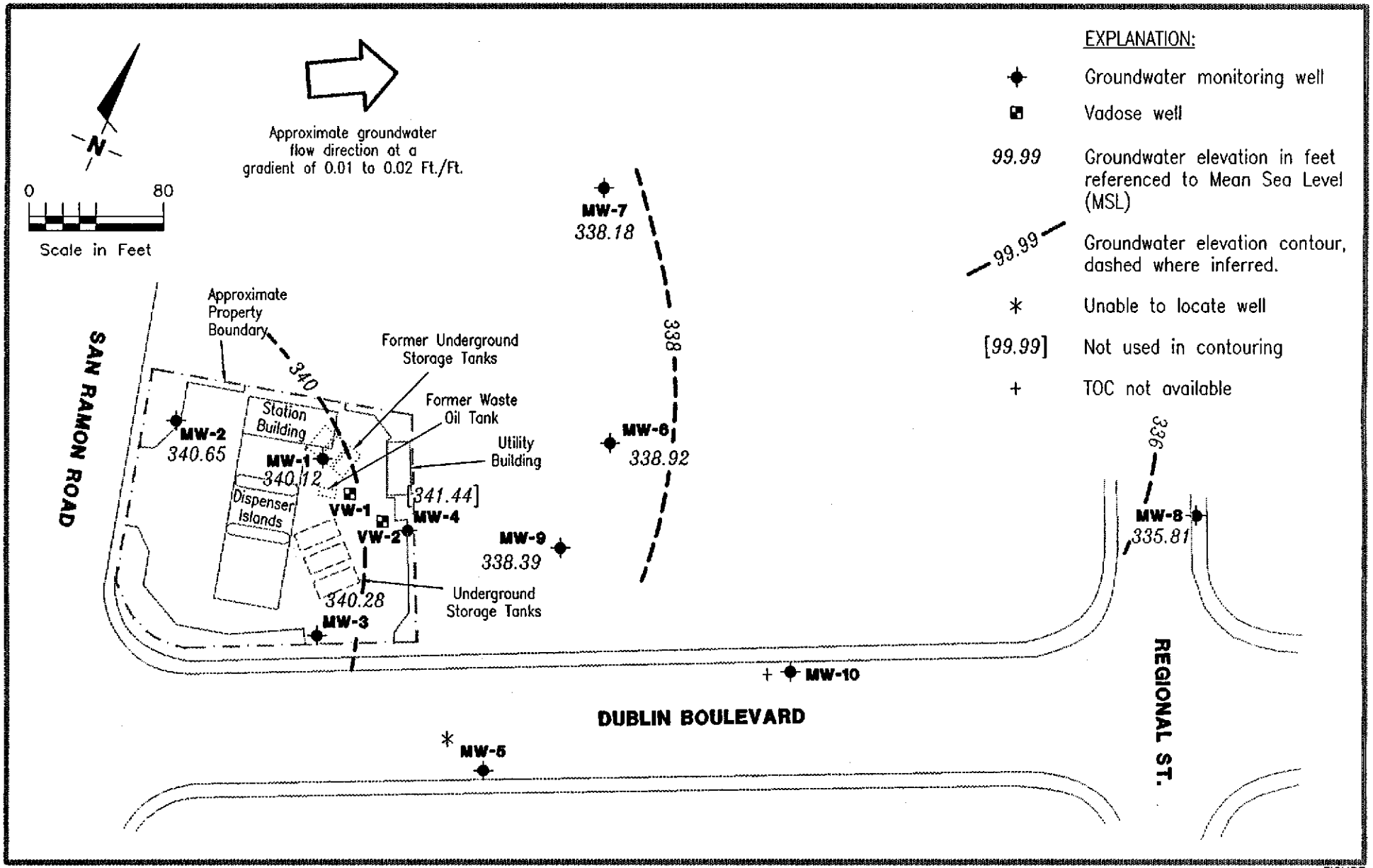
Penny L. Silzer
Senior Geologist, R.G. No. 5523

REGISTERED GEOLOGIST
Penny L. Silzer
No. 5523
STATE OF CALIFORNIA

DLH/PLS/dlh
5290.QML

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

97 JAN 30 AM 8:51
ENVIRONMENTAL PROTECTION



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		June 27, 1996	

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**	**—**	**—**	**—**
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	—	—	—	—
	3/19/92	24.46	339.73	0	<50	—	2.5	2.0	1.1	2.4	—	—	—	—
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	—	—	—	—

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	12/18/92	26.32	338.32	0	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
(cont)	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**	—	—	—
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[8]	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	—	—	—	—	—	—	—	—	—	—
	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	—	—	—	—

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	9/13/95	23.51	338.75	0	2,100	—	12	79	76	420	—	—	—	—
(cont)	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**	**—**	**—**	
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**	**—**	**—**	**—**
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	—	—	—	—

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-5	10/4/91	25.20	334.75	0	—	—	—	—	—	—	—	—	—	—
(cont)	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		—	—	—	—	—	—	—	—	—	—	—
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	—	—	—	—

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	6/29/94	—	—	—	300	—	0.6	1.2	2.4	4.6	—	—	—	—
(cont)	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**	—	—	—
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[4]	<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[5]	—	—	—	—	—	—	—	—	—	—	—	—	—
	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	—	—	—	—
	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**	—	—	—

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/														
—	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**	—	—	—
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**	—	—	—
MW-10														
	6/27/96	**20.74**	—	**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			—>	
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	—	—	—	—
	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**			
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:

DTW = Depth to water
TOC = Top of casing elevation
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-teritary-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.

5290.TQM

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

Gettler-Ryan 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 USA Products Company, the purge water and decontamination water generated during sampling activities is transported by IWM to McKittrick Waste Management located in McKittrick, California.

(9)

WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Cline DATE 6-28-96

ADDRESS 7007 San Ramon Valley Rd JOB # 5290.85

CITY Dublin CA SS# 9-5542

Well ID MW-1 Well Condition okay

Well Location Description

Well Diameter 4" in Hydrocarbon Thickness 0

Total Depth 50 ft

Depth to Liquid 24.20 ft

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

# of casing Volume 3x 25.80 x ~~24.20~~ 0.66 x(VF) .17 #Estimated purge Volume 5 gal.

Purge Equipment Stack Sampling Equipment Bailer

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

Starting Time 1043 Purging Flow Rate 1.5 gpm.

Sampling Time 1123

Time	pH	Conductivity	Temperature	Volume
1055	6.75	553	19.9	18
11.07	6.70	559	19.5	36
11 19	6.68	556	19.6	54
11 23	6.69	554	19.7	55

Weather Conditions Cloudy & Cool

Water Color: Clear Odor: Mild

Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-1	3x40ml VOA	Y	HCl	GTEL	Gas BTXE MTBE

Comments

(9)

WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Cline DATE 6-28-96

ADDRESS 7001 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 23.99 ft

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

# of casing Volume 3x 15.01 x 0.17 x(VF) 7.6 #Estimated purge Volume 7.6 gal.

Purge Equipment Stack Sampling Equipment Bailer

Did well dewater No If yes, Time ___ Volume ___

Starting Time 9:58 Purging Flow Rate 1.4 gpm.

Sampling Time 1006

Time	pH	Conductivity	Temperature	Volume
959	6.89	569	19.4	2.8
1001	6.74	564	19.9	5.6
1003	6.77	570	19.4	8.4
1006	6.76	768	19.5	9.0

Weather Conditions Cloudy & Cool

Water Color: Clear Odor: None

Sediment Description None

LABORATORY INFORMATION

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

Comments

(9)

WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Cline DATE 6-28-96

ADDRESS 7007 San Ramon Valley Rd 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 21.98 ft

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

# of casing Volume 3x 13.02 x 0.17 x(VF) 2.2 #Estimated purge Volume 6.6 gal.

Purge Equipment Stack Sampling Equipment Bailer

Did well dewater No If yes, Time ___ Volume ___

Starting Time 10.15 Purging Flow Rate 1.1 gpm.

Sampling Time 1023

Time	pH	Conductivity	Temperature	Volume
10.17	6.70	580	20.2	2.2
1019	6.68	589	20.2	4.4
1021	6.70	584	20.1	6.6
1023	6.70	585	20.1	7.0

Weather Conditions Cloudy & Cool

Water Color: Clear Odor: None

Sediment Description None

LABORATORY INFORMATION

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

Comments

(9)

WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Cline DATE 6-20-96

ADDRESS 7007 San Ramon Valley Rd 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 21.63 ft

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

# of casing Volume 3x 14.37 x 0.17 x(VF) 2.9 #Estimated purge Volume 7.3 gal.

Purge Equipment Stack Sampling Equipment Bailer

Did well dewater No If yes, Time ___ Volume ___

Starting Time 1030 Purging Flow Rate 1.2 gpm.

Sampling Time ___

Time	pH	Conductivity	Temperature	Volume
1032	6.63	568	20.1	2.4
1034	6.62	561	20.2	4.8
1036	6.61	562	20.1	7.2
1039	6.62	562	20.1	8.0

Weather Conditions Cloudy & Cool

Water Color: Clear Odor: Mild

Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-4	3x40ml VOA	Y	HCl	GTEL	Gas BTEX MTBE

Comments ___

(9)

WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Cline DATE 6-28-96

ADDRESS 7007 San Ramon Valley Rd JOB # 5290.85

CITY Dublin CA SS# 9-3542

Well ID MW-5 Well Condition okay

Well Location Description

Well Diameter 2" in Hydrocarbon Thickness 0

Total Depth ft

Depth to Liquid ft

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

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

Purge Equipment Sampling Equipment

Did well dewater If yes, Time Volume

Starting Time Purging Flow Rate gpm.

Sampling Time

Time	pH	Conductivity	Temperature	Volume
	Unable to record			

Weather Conditions Cloudy & Cool

Water Color: Odor:

Sediment Description

LABORATORY INFORMATION

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

Comments

(9)

WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Cline DATE 6-26-96

ADDRESS 7007 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 0

Total Depth 34 ft

Depth to Liquid 21.66 ft

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

# of casing Volume 3x 12.34 x 0.17 x(VF) 2.1 #Estimated purge Volume 6.3 gal.

Purge Equipment Suction Sampling Equipment Bailer

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

Starting Time 928 Purging Flow Rate 1.1 gpm.

Sampling Time 937

Time	pH	Conductivity	Temperature	Volume
930	7.10	532	18.1	2.2
932	7.00	550	18.7	4.4
934	6.89	560	18.6	6.6
937	6.91	553	18.4	7.6

Weather Conditions Cloudy & Cool

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

(9)

WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Cline DATE 6-26-96

ADDRESS 7007 San Ramon Valley Rd 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 23.50 ft

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

# of casing Volume 3x 11.50 x 0.17 x(VF) 1.96 #Estimated purge Volume 5.8 gal.

Purge Equipment Suction Sampling Equipment Bailer

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

Starting Time 858 Purging Flow Rate 2 gpm.

Sampling Time 904

Time	pH	Conductivity	Temperature	Volume
859	7.16	547	17.3	2
900	7.10	547	18.1	4
901	7.09	594	18.2	6
904	7.08	600	18.1	7

Weather Conditions Cloudy & Cool

Water Color: Clear Odor: None

Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-7	3x40ml VOA	Y	HCl	GTEL	Gas BTXE MTBE

Comments

(9)

WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Cline DATE 6-28-96

ADDRESS 7007 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 0

Total Depth 24' ft

Depth to Liquid 19.08 ft

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

# of casing Volume 3x 4.92 x 0.17 x(VF) 0.84 #Estimated purge Volume 2.5 gal.

Purge Equipment Baile Sampling Equipment Baile

Did well dewater NO If yes, Time ___ Volume

Starting Time Purging Flow Rate gpm.

Sampling Time

Time	pH	Conductivity	Temperature	Volume
803	6.86	636	19.1	1
805	6.77	640	19.3	2
810	6.72	638	19.2	3

Weather Conditions Cloudy & Cool

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	Gas BTXE MTBE

Comments

(9)

WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Cline DATE 6-26-96

ADDRESS 7007 San Ramon Valley Rd 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 22.84 ft

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

# of casing Volume 3x 10.16 x 0.17 x(VF) 1.7 #Estimated purge Volume 5.2 gal.

Purge Equipment Suction Sampling Equipment Bailer

Did well dewater No If yes, Time ___ Volume ✓

Starting Time 9:40 Purging Flow Rate 1 gpm.

Sampling Time 949

Time	pH	Conductivity	Temperature	Volume
942	7.10	554	1813	2
944	6.70	548	1913	4
946	6.68	611	1912	6
949	6.64	600	1914	7

Weather Conditions Cloudy & Cool

Water Color: Clear Odor: None

Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-9	3x40ml VOA	Y	HCl	GTEL	Gas BTEX MTBE

Comments

(9)

WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Cline DATE 6-26-96

ADDRESS 7007 San Ramon Valley Rd 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 20.74 ft

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

# of casing Volume 3x 14.26 x 0.17 x(VF) 2.4 #Estimated purge Volume 7.2 gal.

Purge Equipment Stack Sampling Equipment Bailer

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

Starting Time 4:52 Purging Flow Rate 1.2 gpm.

Sampling Time 501

Time	pH	Conductivity	Temperature	Volume
456	7.03	612	18.3	2.4
456	6.96	620	17.7	4.8
458	6.86	624	17.6	7.2
501	6.88	623	17.5	9.6

Weather Conditions Cloudy & Cool

Water Color: Clear Odor: None

Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-10	3x40ml VOA	Y	HCl	GTEL	GasBTEX MTBE

Comments

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

Chain-of-Custody

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
Consultant Project Number 529085
Consultant Name Gettler-Ryan
Address 6747 Sierra Ct, Ste J, Dublin 94568
Project Contact (Name) Deanna Harding
(Phone) 510 551-7555 (Fax Number) 510 551-7888

Chevron Contact (Name) Brett Hunter
(Phone) 842-8695
Laboratory Name GTEL
Laboratory Release Number 349949C
Samples Collected by (Name) F. Cline
Collection Date 6-27-96
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)	TPH Gas + BTEX w/MTBE (8016)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)	Remarks
1	TB-43	01	2	W	TB	—	HCl	Y	X								DO NOT BILL TB-LB ANALYSIS
2	MW-8	02	3		G	810											
3	MW-7	03				904											
4	MW-2	04				1006											
5	MW-6	05				937											
6	MW-9	06				949											
7	MW-3	07				1023											
8	MW-4	08				1039											
9	MW-1	09				1123											
13	MW-10	10															No Seals 12

702 653 7670

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	GTL	6-28-96	D. Harding	G-R	7/1/96
D. Harding	G-R	7/1/96 2:00	John Wells	NEI/GTEL	7/1/96 12:00
John Wells	NEI/GTEL	7/1/96 16:35	Received For Laboratory By (Signature) Sammy Lei Lien		Date/Time 0835 7/2/96

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

COC-3.DWG/03 01/HCH

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

Chain-of-Custody

P.2

7-09-1996 1:55PM FROM GTEL LABS WICHITA 316 945 0295

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

Chevron Facility Number: 9-3542
Facility Address: 7007 San Ramon Valley Rd Dublin
Consultant Project Number: 529085
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): Brett Hunter
(Phone): 842-8695
Laboratory Name: GTEL
Laboratory Release Number: 3499490
Samples Collected by (Name): F. Chui
Collection Date: 6-27-96
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)	TPH Gas + BTEX w/MTBE (8015)	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 (CAM or AA)							DO NOT BI TB-LB ANA Remarks
	Analyses To Be Performed																						
1	TB-LB	01	2	W	TB	—	HCl	Y	X														
2	MW-8	02	3		G	810																	
3	MW-7	03				901																	
4	MW-2	04				1006																	
5	MW-6	05				937																	
6	MW-9	06				949																	
7	MW-3	07				1003																	
8	MW-4	08				1039																	
9	MW-1	09				1123																	
																	AMENDED COC						
10	MW-10	10				521	HCl																
		3																					

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	G-R	6-28-96		G-R	7/1/96
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	G-R	7/1/96		NET/GTEL	7/1/96
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time

Turn Around Time (Circle Choice)
24 Hrs.
48 Hrs.
5 Days
10 Days

COC-3.DWG/03 01/HGN

702 653

NEI/GTEL
ENVIRONMENTAL LABORATORIES, INC.

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

July 12, 1996

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

RE: GTEL Client ID: GTR01CHV08
Login Number: W6070034
Project ID (number): 5290.85
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 GTEL Environmental Laboratories, Inc. on 07/02/96.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by 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 1845.

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

Sincerely,
GTEL Environmental Laboratories, Inc.

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

ANALYTICAL RESULTS
Volatile Organics

GTEL Client ID: GTR01CHV08
Login Number: W6070034
Project ID (number): 5290.85
Project ID (name): CHEVRON/9-5542/7007 SAN RAMON VALLEY RD/DUBLIN/CA

Method: EPA 8020A
Matrix: Aqueous

	GTEL Sample Number	W6070034-01	W6070034-02	W6070034-03	W6070034-04
	Client ID	TB-LB	MW-8	MW-7	MW-2
	Date Sampled		06/27/96	06/27/96	06/27/96
	Date Analyzed	07/10/96	07/10/96	07/10/96	07/10/96
	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

GTEL Client ID: GTR01CHV08
Login Number: W6070034
Project ID (number): 5290.85
Project ID (name): CHEVRON/9-5542/7007 SAN RAMON VALLEY RD/DUBLIN/CA

Method: EPA 8020A
Matrix: Aqueous

GTEL Sample Number	W6070034-05	W6070034-06	W6070034-07	W6070034-08
Client ID	MW-6	MW-9	MW-3	MW-4
Date Sampled	06/27/96	06/27/96	06/27/96	06/27/96
Date Analyzed	07/10/96	07/11/96	07/10/96	07/10/96
Dilution Factor	1.00	10.0	1.00	10.0

Analyte	Reporting Limit	Units	Concentration:			
MTBE	5.0	ug/L	5.7	66.	13.	< 50.
Benzene	0.5	ug/L	< 0.5	1200	< 0.5	2600
Toluene	0.5	ug/L	< 0.5	46.	< 0.5	1500
Ethylbenzene	0.5	ug/L	< 0.5	340	1.9	740
Xylenes (total)	0.5	ug/L	< 0.5	1000	2.0	2400
BTEX (total)	--	ug/L	--	2600	3.9	7200
TPH as Gasoline	50	ug/L	< 50	10000	1200	18000

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

GTEL Client ID: GTR01CHV08
Login Number: W6070034
Project ID (number): 5290.85
Project ID (name): CHEVRON/9-5542/7007 SAN RAMON VALLEY RD/DUBLIN/CA

Method: EPA 8020A
Matrix: Aqueous

GTEL Sample Number	W6070034-09	W6070034-10	--	--
Client ID	MW-1	MW-10	--	--
Date Sampled	06/27/96	06/27/96	--	--
Date Analyzed	07/10/96	07/10/96	--	--
Dilution Factor	25.0	1.00	--	--

Analyte	Reporting Limit	Units	Concentration:			
MTBE	5.0	ug/L	< 120	< 5.0	--	--
Benzene	0.5	ug/L	6900	< 0.5	--	--
Toluene	0.5	ug/L	8700	< 0.5	--	--
Ethylbenzene	0.5	ug/L	830	< 0.5	--	--
Xylenes (total)	0.5	ug/L	4000	< 0.5	--	--
BTEX (total)	--	ug/L	20000	--	--	--
TPH as Gasoline	50	ug/L	40000	< 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.

GTEL Client ID: GTR01CHV08 QUALITY CONTROL RESULTS
Login Number: W6070034 Volatile Organics
Project ID (number): 5290.85 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%
071096GC10-1	BW07109610	Method Blank Water	119.
071096GC10-10	MS07003402	Matrix Spike	102.
071096GC10-5	CV0710962010	Calibration Verifi	101.
071096GC10-8	DP07003409	Duplicate	109.
--	07003401	TB-LB	98.4
--	07003402	MW-8	98.0
--	07003403	MW-7	96.3
--	07003404	MW-2	94.5
--	07003405	MW-6	104.
--	07003406	MW-9	108.
--	07003407	MW-3	121
--	07003408	MW-4	113.
--	07003409	MW-1	109.
--	07003410	MW-10	89.9

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

Project ID (Number): 5290.85
Project ID (Name): Chevron SS #9-5542
7007 San Ramon Valley Rd.
Dublin, CA
Work Order Number: W6-07-0034
Date Reported: 07-12-96

METHOD BLANK REPORT

Volatile Organics in Water
EPA Method 8020

Date of Analysis: 10-Jul-96 QC Batch No: 071096GC10-1

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

GTEL Client ID: GTR01CHV08
Login Number: W6070034
Project ID (number): 5290.85
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:071096GC10-5			
Benzene	20.0	17.0	85.0	77-123%
Toluene	20.0	18.2	91.0	77.5-122.5%
Ethylbenzene	20.0	17.7	88.5	63-137%
Xylenes (Total)	60.0	55.7	92.8	85-115%
TPH as Gasoline	500.	473.	94.6	80-120%

Notes:
QC check source: Supelco #LA12389

GTEL Client ID: GTR01CHV08
Login Number: W6070034
Project ID (number): 5290.85
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: 071096GC10-8		GTEL Sample ID: W6070034-09		Client ID: MW-1
MTBE		< 250.	< 250.	NA	20	
Benzene		6900	7140	3.42	23.9	
Toluene		8700	9000	3.39	27.2	
Ethylbenzene		832.	861.	3.43	21.6	
Xylenes (Total)		3950	4090	3.48	22.0	
TPH as Gasoline		39600	40900	3.23	20	

Notes:

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

GTEL Client ID: GTR01CHV08
Login Number: W6070034
Project ID (number): 5290.85
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:W6070034-02
Analysis Date: 10-JUL-96

MS ID:MS07003402
10-JUL-96

Units: ug/L Analyte	Sample Conc.	Spike Added	MS Conc.	MS % Rec.	Acceptability Limits %Rec.
Benzene	< 0.5 (0.000)	20.0	17.4	87.0	67-110
Toluene	< 0.5 (0.000)	20.0	19.0	95.0	68-115
Ethylbenzene	< 0.5 (0.000)	20.0	18.3	91.5	65-120
Xylenes (Total)	< 0.5 (0.000)	60.0	57.0	95.0	62-119

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

GTEL Client ID: GTR01CHV08
Login Number: W6070034
Project ID (number): 5290.85
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: