

Richard Gilbert (trend analysis)
using Mann-Kendall test



GETTLER-RYAN INC.

Statistical Methods for
Environmental Pollution
Monitoring

October 17, 1995

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, CA
Job #5290.80

Dear Mr. Hunter:

This report documents the quarterly ground water sampling event performed by Gettler-Ryan, Inc. (G-R). On September 13, 1995, field personnel were on-site to gauge and sample nine wells (MW-1 through MW-9) at Chevron Service Station #9-5542 located at 7007 San Ramon Valley Road in Dublin, California.

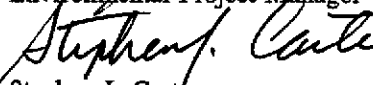
Static ground water levels were measured on September 13, 1995. All wells were checked for the presence of separate-phase hydrocarbons. Separate-phase hydrocarbons were not present in any of the site wells. Static water level data and ground water elevations are presented in Table 1. A potentiometric map is included as Figure 1.

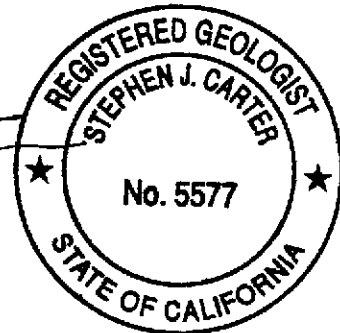
Ground water samples were collected from the monitoring wells as specified by G-R Standard Operating Procedure - Quarterly Ground Water Sampling (attached). The field data sheets forms for this event are also attached. The samples were analyzed by Groundwater Technologies Environmental Laboratories, Inc. Analytic results are presented in Table 1. The chain of custody document and laboratory analytic report are enclosed. G-R is not responsible for laboratory omissions or errors.

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,

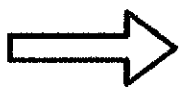

Argy Leyton
Environmental Project Manager


Stephen J. Carter
Senior Geologist, R.G. 5577



AML/SJC/dlh
5290.QML

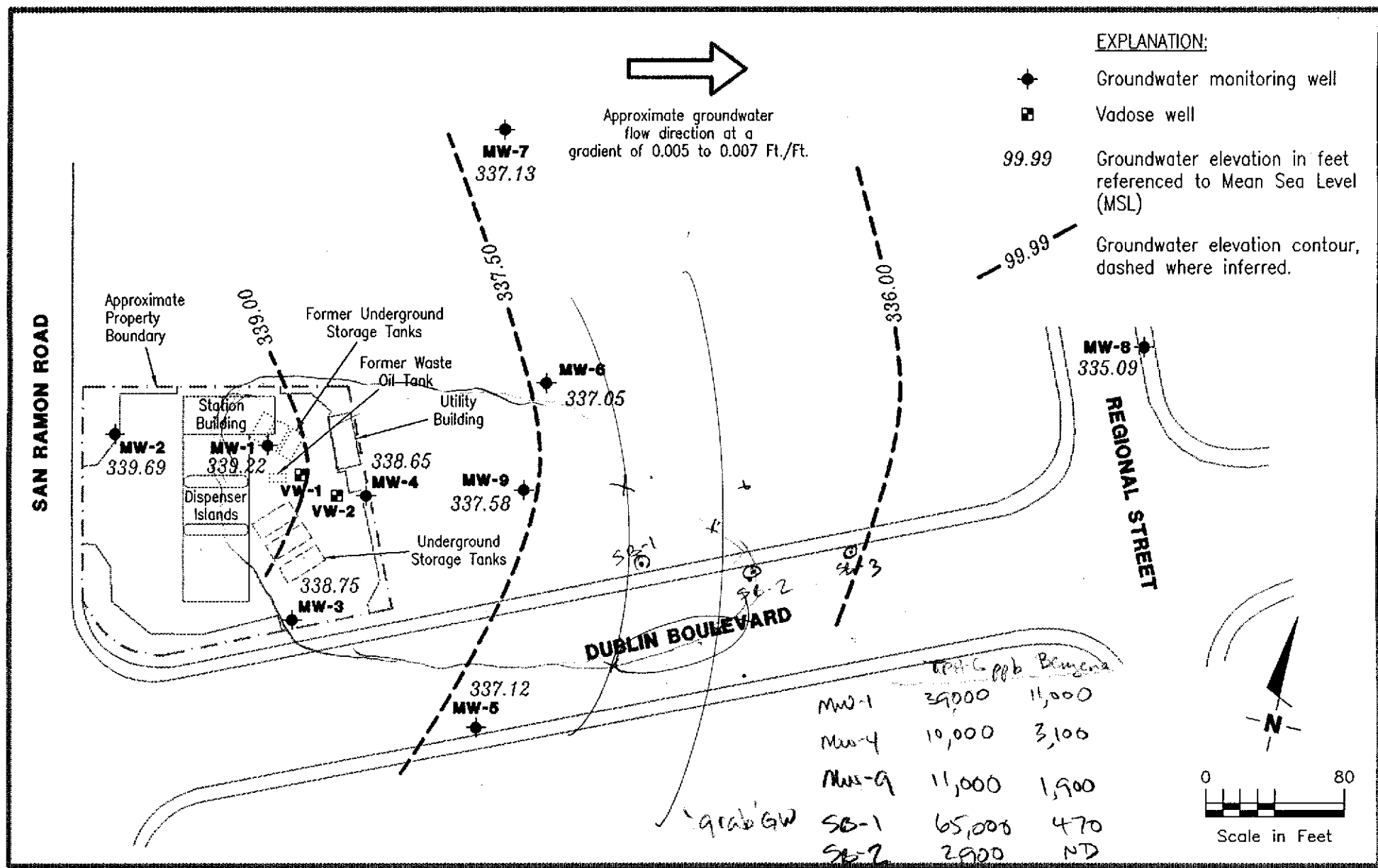
Figure 1: Potentiometric Map
Table 1: Water Level Data and Ground Water Analytic Results
Attachments: Standard Operating Procedure
Field Data Sheets
Chain of Custody Document and Laboratory Analytic Reports



Approximate groundwater flow direction at a gradient of 0.005 to 0.007 Ft./Ft.

EXPLANATION:

- ◆ Groundwater monitoring well
- Vadose well
- 99.99 Groundwater elevation in feet referenced to Mean Sea Level (MSL)
- - - 99.99 Groundwater elevation contour, dashed where inferred.



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
5290.85

REVIEWED BY
[Signature]

DATE
September 13, 1995

REVISED DATE



Table 1. Water Level Data and Groundwater Analytic 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)	Analytic Method	TPPH(G) <-----	O&G	B	T	E	X	Other			
												ppb	HVOCs	1,2-DCA	EDB
MW-1/ (D)	4/3-4/90	---	---	---	8015/602/504	46,000	---	8,400	7,400	860	5,600	---	---	1.04	
	4/3-4/90	---	---	---	8015/602/504	43,000	---	8,400	7,200	840	5,200	---	---	1.1	
363.98 ¹	5/31/91	25.67	338.31	0	8015/8020/8010	31,000	---	7,400	2,500	630	2,100	ND ^g	2	---	
	5/31/91	---	---	---	503E	---	<5,000	---	---	---	---	---	---	---	
	6/21/91	26.23	337.75	0	---	---	---	---	---	---	---	---	---	---	
	7/17/91	26.53	337.45	0	---	---	---	---	---	---	---	---	---	---	
	9/20/91	---	---	---	8015/8020/8010	31,000	---	3,000	2,800	610	3,100	ND ^g	0.6	---	
	10/4/91	27.90	336.08	0	---	---	---	---	---	---	---	---	---	---	
	12/19/91	28.12	335.86	0	8015/8020/8010	20,000	---	5,200	1,700	560	2,000	ND ^g	3.3	---	
	364.32 ²	3/19/92	24.63	339.35	0	8015/8020/8010	30,000	---	8,500	3,600	590	2,400	ND ^g	2.7	---
		6/19/92	26.23	338.09	0	8015/8020	25,000	---	1,100	2,000	520	1,800	---	---	---
		9/22/92	27.73	336.59	0	8015/8020	21,000	---	8,000	3,500	670	2,900	---	---	---
		12/18/92	26.76	337.56	0	8015/8020	79,000	---	12,000	12,000	1,600	8,500	---	---	---
		3/10/93 ^{6,13}	---	---	---	8015/8020	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	8015/8020	5,900	---	1,600	560	140	330	---	---	---
7/6/94	27.20	337.12	0	---	---	---	---	---	---	---	---	---	---		
8/26/94	---	---	---	8015/8020	20,000	---	5,300	4,900	610	2,900	---	---	---		
9/22/94	27.44	336.88	0	8015/8020	42,000	---	10,000	8,300	1,000	4,900	---	---	---		
12/8/94	26.70	337.62	---	8015/8020	38,000	---	9,000	7,700	830	3,800	---	---	---		
3/6/95	23.68	340.64	0	8015/8020	47,000	---	9,400	7,100	750	3,400	---	---	---		
6/8/95	22.68	341.64	0	8015/8020	170,000	---	29,000	29,000	2,600	13,000	---	---	---		
9/13/95	25.10	339.22	0	8015/8020	39,000	---	11,000	10,000	1,100	4,900	---	---	---		
MW-2/ 364.19 ¹	4/3-4/90	---	---	---	8015/602/504	<50	---	<0.3	<0.3	<0.3	<0.6	---	---	<0.02	
	5/31/91	25.51	338.68	0	8015/8020/8010	100	---	3.1	4.2	0.7	2.0	ND ^g	<0.5	---	
	5/31/91	---	---	---	503E	---	<5,000	---	---	---	---	---	---	---	
	6/21/91	26.13	338.06	0	---	---	---	---	---	---	---	---	---	---	
	7/17/91	26.46	337.73	0	---	---	---	---	---	---	---	---	---	---	
	9/20/91	---	---	---	8015/8020	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	8015/8020	<50	---	0.6	1.2	0.8	2.5	---	---	---	
	3/19/92	24.46	339.73	0	8015/8020	<50	---	2.5	2.0	1.1	2.4	---	---	---	
	364.64 ²	6/19/92	26.10	338.54	0	8015/8020	<50	---	<0.5	0.6	0.7	1.2	---	---	---
9/22/92		27.60	337.04	0	8015/8020	200	---	16	42	6.1	32	---	---	---	
12/18/92		26.32	338.32	0	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	
3/22/93		21.39	343.29	0	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	



Table 1. Water Level Data and Groundwater Analytic 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)	Analytic Method	TPPH(G)	O&G	B	T	E	X	Other						
												HVOCs	1,2-DCA	EDB				
													ppb					
MW-2	6/14/93	25.15	339.49	0	---	---	---	---	---	---	---	---	---	---	---	---	---	---
(cont)	7/25/93	24.52	340.12	0	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	
	9/23/93	25.63	339.01	0	8015/8020	72	---	12	4	6	8	---	---	---	---	---	---	
	12/22/93	26.34	338.30	0	8015/8020	1,600	---	25	<0.5	3.8	4.8	---	---	---	---	---	---	
	3/21/94	25.83	338.81	0	8015/8020	<50	---	0.7	3.3	<0.5	1.9	---	---	---	---	---	---	
	6/29/94	---	---	---	8015/8020	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	8015/8020	<50	---	0.7	<0.5	<0.5	0.6	---	---	---	---	---	---	
	12/8/94	26.28	338.36	0	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	
	3/6/95	23.27	341.37	0	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	
	6/8/95	22.38	342.26	0	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	
	9/13/95	24.95	339.95	0	8015/8020	<50	---	<0.5	0.8	<0.5	0.8	---	---	---	---	---	---	
MW-3/ 361.92 ¹	4/3-4/90	---	---	---	8015/602/504	2,200	---	36	5	6	17	---	---	---	---	---	<0.02	
	5/31/91	23.20	338.72	0	8015/8020/8010	2,200	---	130	11	31	78	ND ²	19	---	---	---	---	
	5/31/91	---	---	---	503E	---	<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	8015/8020	2,200	---	190	6.0	24	32	---	---	---	---	---	---	
	12/19/91	26.24	335.68	0	8015/8020	640	---	73	27	17	56	---	---	---	---	---	---	
	3/19/92	22.46	339.46	0	8015/8020	4,500	---	1,000	15	91	240	---	---	---	---	---	---	
362.26 ²	6/19/92	24.32	337.94	0	8015/8020	1,100	---	89	3.3	9.1	13	---	---	---	---	---	---	
	9/22/92	25.84	336.42	0	8015/8020	1,400	---	81	51	15	49	---	---	---	---	---	---	
	12/18/92	24.40	337.86	0	8015/8020	1,100	---	2.0	1.1	53	38	---	---	---	---	---	---	
	3/22/93	19.72	342.54	0	8015/8020	1,600	---	96	9	14	91	---	---	---	---	---	---	
	6/14/93	23.52	338.74	0	---	---	---	---	---	---	---	---	---	---	---	---	---	
	7/25/93	23.21	339.05	0	8015/8020	1,200	---	19	6	2	5	---	---	---	---	---	---	
	9/23/93	24.02	338.24	0	8015/8020	1,500	---	35	<0.5	5	13	---	---	---	---	---	---	
	12/22/93	24.67	337.59	0	8015/8020	1,500	---	26	<0.5	3.9	4.9	---	---	---	---	---	---	
	3/21/94	24.05	338.21	0	8015/8020	1,400	---	22	14	1.1	5.3	---	---	---	---	---	---	
	6/29/94	---	---	---	8015/8020	1,700	---	90	6.1	20	81	---	---	---	---	---	---	
	7/6/94	25.08	337.18	0	---	---	---	---	---	---	---	---	---	---	---	---	---	
	9/22/94	24.78	337.48	0	8015/8020	2,600	---	72	7.6	110	370	---	---	---	---	---	---	
	12/8/94	24.35	337.91	0	8015/8020	2,700	---	32	<0.5	100	140	---	---	---	---	---	---	
	3/6/95	21.47	340.79	0	8015/8020	1,000	---	4.0	9.9	8.8	7.7	---	---	---	---	---	---	
	6/8/95	20.99	341.27	0	8015/8020	1,500	---	13	3.2	12	17	---	---	---	---	---	---	
	9/13/95	23.51	338.75	0	8015/8020	2,100	---	12	79	76	420	---	---	---	---	---	---	



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

Well ID/ OL	DTW	GWE	Product Thickness*	Analytic	TPPH(G)	O&G	B	T	E	X	Other							
											HVOCs	1,2-DCA	EDB					
TOC (ft)	Date	(ft)	(msl)	(ft)	Method	←-----ppb----->												
MW-5 (cont)	3/22/93	19.10	341.18	0	---	---	---	---	---	---	---	---	---	---	---	---		
	6/14/93	22.71	337.57	0	---	---	---	---	---	---	---	---	---	---	---	---		
	7/25/93	21.99	338.29	0	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---		
	9/23/93	23.48	336.80	0	8015/8020	<50	---	3	1	1	2	---	---	---	---	---		
	12/22/93	23.98	336.30	0	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---		
	3/21/94	23.18	337.10	0	8015/8020	<50	---	2.4	1.4	<0.5	2	---	---	---	---	---		
	6/29/94	---	---	---	8015/8020	<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	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	
	12/8/94	23.42	336.86	0	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	
	3/6/95	20.65	339.63	0	8015/8020	67	---	1.9	2.5	4.7	19	---	---	---	---	---	---	
	6/8/95	20.76	339.52	0	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	
	9/13/95	23.16	337.12	0	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	
	MW-6/ 360.22 ¹	6/21/91	23.55	336.67	0	8015/8020	3,700	---	50	2.6	150	340	---	---	---	---	---	
6/21/91		---	---	---	8010/LUFT	---	---	---	---	---	---	ND ^a	<0.5	---	<4,000	---		
360.58 ²	7/17/91	24.00	336.22	0	---	---	---	---	---	---	---	---	---	---	---	---	---	
	9/20/91	---	---	---	8015/8020	3,200	---	28	<0.5	140	100	---	---	---	---	---	---	
	10/4/91	25.29	334.93	0	---	---	---	---	---	---	---	---	---	---	---	---	---	
	12/19/91	25.34	334.88	0	8015/8020	380	---	2.7	4.0	15	10	---	---	---	---	---	---	
	3/19/92	22.05	338.17	0	8015/8020	3,400	---	57	4.5	330	360	---	---	---	---	---	---	
	6/19/92	23.52	337.06	0	8015/8020	980	---	11	4.2	57	38	---	---	---	---	---	---	
	9/22/92	25.60	334.98	0	8015/8020	1,100	---	22	41	77	58	---	---	---	---	---	---	
	12/18/92	24.18	336.40	0	8015/8020	1,900	---	3.2	1.3	58	47	---	---	---	---	---	---	
	3/10/93	---	---	---	8015/8020	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	8015/8020	83 ¹¹	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	
	9/23/93	23.20	337.38	0	8015/8020	200	---	6	2	3	3	---	---	---	---	---	---	
	12/22/93	23.91	336.67	0	8015/8020	130	---	<0.5	1.8	1.2	1.5	---	---	---	---	---	---	
	3/21/94	23.27	337.31	0	8015/8020	290	---	3	10	1.6	4.7	---	---	---	---	---	---	
	6/29/94	---	---	---	8015/8020	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	8015/8020	2,300	---	58	3.6	100	290	---	---	---	---	---	---	
12/8/94	23.85	336.73	0	8015/8020	<50	---	<0.5	<0.5	<0.5	0.9	---	---	---	---	---	---		
3/6/95	20.91	339.67	0	8015/8020	360	---	2.0	3.6	0.9	2.3	---	---	---	---	---	---		
6/8/95	20.18	340.40	0	8015/8020	230	---	<0.5	<0.5	1.0	1.6	---	---	---	---	---	---		
9/13/95	23.53	337.05	0	8015/8020	88	---	<0.5	<0.5	<0.5	1.1	---	---	---	---	---	---		



Table 1. Water Level Data and Groundwater Analytic 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)	Analytic Method	TPPH(G) <-----ppb----->	O&G	B	T	E	X	Other		
												HVOCs	1,2-DCA	EDB
MW-7/ 360.63 ¹	6/21/91	23.45	337.18	0	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	6/21/91	---	---	---	8010/LUFT	---	---	---	---	---	---	ND ⁸	<0.5	---
	7/17/91	23.90	336.73	0	---	---	---	---	---	---	---	---	---	---
	9/20/91	---	---	---	8015/8020	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	8015/8020	<50	---	0.9	2.8	1.7	5.9	---	---	---
	3/19/92	22.74	337.89	0	8015/8020	<50	---	1.1	0.6	0.9	2.5	---	---	---
360.99 ²	6/19/92 ³	---	---	---	---	---	---	---	---	---	---	---	---	---
	9/22/92 ³	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/18/92 ¹	---	---	---	---	---	---	---	---	---	---	---	---	---
	3/22/93 ³	---	---	---	---	---	---	---	---	---	---	---	---	---
	6/14/93 ³	---	---	---	---	---	---	---	---	---	---	---	---	---
	7/25/93 ³	---	---	---	---	---	---	---	---	---	---	---	---	---
361.68 ⁶	12/23/93	23.67	338.01	0	8015/8020	<50	---	0.9	0.5	<0.5	<0.5	---	---	---
	3/21/94	24.13	337.55	0	8015/8020	<50	---	0.5	1.1	<0.5	1.4	---	---	---
	6/29/94	---	---	---	8015/8020	<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	8015/8020	11,000	---	1,900	230	310	970	---	---	---
	12/8/94	26.23	335.45	0	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	3/6/95	23.19	338.49	0	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	6/8/95	22.14	339.54	0	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	9/13/95	24.55	337.13	0	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---
MW-8/ ---	12/12/91	22.54	---	0	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---
354.89 ²	6/19/92	20.47	334.42	0	8015/8020	<50	---	1.2	1.4	0.5	2.9	---	---	---
	9/22/92	29.80	325.09	0	8015/8020	180	---	17	42	6.0	31	---	---	---
	12/18/92	21.18	333.71	0	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	3/10/93	---	---	---	8015/8020	<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	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	9/23/93	20.40	334.49	0	8015/8020	<50	---	1	0.9	0.7	1	---	---	---
	12/22/93	20.92	333.97	0	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	3/21/94	20.19	334.70	0	8015/8020	<50	---	0.9	1.5	<0.5	2	---	---	---
	6/29/94	---	---	---	8015/8020	<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	8015/8020	9,600	---	1,600	180	260	840	---	---	---
	10/14/94	21.84	333.05	0	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---



Table 1. Water Level Data and Groundwater Analytic 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)	Analytic Method	TPPH(G) <-----	O&G	B	T	E	X	Other		
												-----ppb----->		
MW-8 (cont)	12/8/94	20.71	334.18	0	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	3/6/95	18.11	336.78	0	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	6/8/95	17.79	337.10	0	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	9/13/95	19.80	335.09	0	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---
MW-9/ 361.23 ⁷	7/6/94	25.15	336.08	0	---	---	---	---	---	---	---	---	---	---
	8/26/94	---	---	---	8015/8020	12,000	---	1,700	240	410	1,400	---	---	---
	9/22/94	25.74	335.49	0	8015/8020	10,000	---	1,900	290	320	1,200	---	---	---
	12/8/94	24.84	336.39	0	8015/8020	18,000	---	2,400	780	450	4,600	---	---	---
	3/6/95	21.83	339.40	0	8015/8020	6,100	---	1,400	260	420	1,500	---	---	---
	6/8/95	21.29	339.94	0	8015/8020	14,000	---	2,100	220	540	1,700	---	---	---
	9/13/95	23.65	337.85	0	8015/8020	11,000	---	1,900	120	490	1,400	---	---	---
Trip Blank MW-AA	5/31/91	---	---	---	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	6/21/91	---	---	---	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	9/20/91	---	---	---	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	12/19/91	---	---	---	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	3/19/92	---	---	---	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---
TB-LB	6/19/92	---	---	---	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	9/22/92	---	---	---	8015/8020	92 ¹²	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	12/18/92	---	---	---	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	3/10/93	---	---	---	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	3/22/93	---	---	---	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	7/25/93	---	---	---	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	9/23/93	---	---	---	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	12/22/93	---	---	---	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	3/21/94	---	---	---	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	6/29/94	---	---	---	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	7/1/94	---	---	---	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	7/6/94	---	---	---	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	9/22/94	---	---	---	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	12/8/94	---	---	---	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	3/6/95	---	---	---	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---
6/8/95	---	---	---	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	
9/13/95	---	---	---	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	



Table 1. Water Level Data and Groundwater Analytic 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)	Analytic Method	TPPH(G) <-----	O&G	B	T	E	X	Other		
												ppb----->	HVOCs	1,2-DCA
Bailer Blank	5/31/91	---	---	---	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---
MW-BB	6/21/91	---	---	---	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	9/20/91	---	---	---	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	12/19/91	---	---	---	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	3/19/92	---	---	---	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	6/19/92	---	---	---	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	9/22/92	---	---	---	8015/8020	<50	---	<0.5	<0.5	<0.5	0.8	---	---	---
	12/21/92	---	---	---	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	3/10/93	---	---	---	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	3/22/93	---	---	---	8015/8020	<50	---	<0.5	<0.5	<0.5	0.6	---	---	---
	7/25/93	---	---	---	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	9/23/93	---	---	---	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	12/22/93	---	---	---	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---
	3/21/94	---	---	---	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---



Table 1. Water Level Data and Groundwater Analytic 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 = Ground water elevation
msl = Measurements referenced relative to mean sea level
TPPH(G) = Total Purgeable Petroleum Hydrocarbons as Gasoline
O&G = Oil and Grease
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
HVOCs = Halogenated Volatile Organic Compounds
1,2-DCA = 1,2-Dichloroethane
EDB = Ethylene dibromide
OL = Organic lead
ppb = Parts per billion
D = Duplicate sample
ND = Not detected (see notes)
--- = Not available/not applicable

ANALYTIC METHODS:

8015 = EPA Method 8015/5030 for TPPH(G)
602 = EPA Method 602 for BTEX
504 = EPA Method 504 for EDB
8020 = EPA Method 8020 for BTEX
8010 = EPA Method 8010 for HVOCs
503E = Standards Methods Method 503E for O&G
413.1 = EPA Method 413.1 for total O&G
624 = EPA Method 624 for BTEX and VOCs

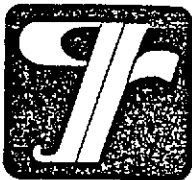
ANALYTIC METHODS: (continued)

5520 = Standard Methods Method 5520 for O&G
LUFT = DHS LUFT Manual Method for OL

NOTES:

Groundwater elevation data and laboratory analytic 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 Analytic results provided by Chevron Project Manager.
- ¹⁴ TPPH(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.



STANDARD OPERATING PROCEDURE QUARTERLY 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 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 analytic 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, preservative (if any), and the sample collector's initials. The water samples are placed in cooler maintained at 4 C for transport to the laboratory. Once collected in the field, all samples are maintained under chain of custody until delivery 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 and decontamination water generated during sampling activities is taken to Chevron's Richmond Refinery for disposal.



WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Clinic DATE 9-13-95
 ADDRESS 7007 San Ramon Valley Rd JOB # 5290.85
 CITY Dustin CA SS# 9-5542

Well ID MW-1 Well Condition dry
 Well Location Description _____

Well Diameter 2" 1/4 in Hydrocarbon Thickness 6
 Total Depth 56' ft
 Depth to Liquid 25.10 ft

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

of casing 3x Volume 24.90 x 2.7066 (VF) 70.4 #Estimated 49 gal.
 Purge Equipment 2 stack Section Sampling Equipment Baker
 Did well dewater No If yes, Time _____ Volume _____

Starting Time 15:49 Purging Flow Rate 1.7 gpm.
 Sampling Time 16:24

Time	pH	Conductivity	Temperature	Volume
<u>15:59</u>	<u>6.90</u>	<u>873</u>	<u>20.0</u>	<u>16.6</u>
<u>16:09</u>	<u>6.57</u>	<u>874</u>	<u>20.1</u>	<u>33.2</u>
<u>16:19</u>	<u>6.53</u>	<u>877</u>	<u>20.2</u>	<u>49.8</u>
<u>16:24</u>	<u>6.55</u>	<u>875</u>	<u>20.1</u>	<u>50.5</u>

Weather Conditions Sunny warm & Breezy
 Water Color: Clear Odor: Strong
 Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-1</u>	<u>3x40m VEA</u>	<u>Y</u>	<u>HCL</u>	<u>GTBL</u>	<u>Con & BVE</u>

Comments _____



WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Ching DATE 9-13-95
 ADDRESS 7007 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
 Total Depth 39' ft
 Depth to Liquid 24.95' ft

Hydrocarbon Thickness 0

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

of casing 3x Volume 14.05 x 0.17 x(VF) ~~2.38~~ 2.4 Estimated purge Volume 7.12 gal.

Purge Equipment Suction Sampling Equipment Bailer
 Did well dewater No If yes, Time _____ Volume _____

Starting Time 13:09 Purging Flow Rate 0.8 gpm.
 Sampling Time _____

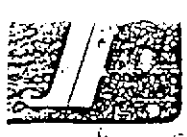
Time	pH	Conductivity	Temperature	Volume
<u>13:12</u>	<u>7.12</u>	<u>902</u>	<u>21.9</u>	<u>2.4</u>
<u>13:15</u>	<u>6.82</u>	<u>933</u>	<u>21.5</u>	<u>4.8</u>
<u>13:21.18</u>	<u>6.84</u>	<u>929</u>	<u>21.5</u>	<u>7.2</u>
<u>13:23.21</u>	<u>6.83</u>	<u>930</u>	<u>21.5</u>	<u>8.0</u>

Weather Conditions Sunny warm & clear
 Water Color: clear Odor: None
 Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-2</u>	<u>3x40m VOA</u>	<u>Y</u>	<u>HCL</u>	<u>GTBL</u>	<u>Co. & B. & E.</u>

Comments _____



WELL SAMPLING FIELD DATA SHEET

SAMPLER F. C. Line DATE 9-13-95
 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 356 ft
 Depth to Liquid 23.51 ft

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

of casing 3x Volume 11.49 x 0.17 x(VF) 1.9 #Estimated 5.8 gal. purge Volume

Purge Equipment Suction Sampling Equipment Baker

Did well dewater No If yes, Time _____ Volume _____

Starting Time 1508 Purging Flow Rate 0.7 gpm.
 Sampling Time 15:20

Time	pH	Conductivity	Temperature	Volume
<u>15:11</u>	<u>6.88</u>	<u>976</u>	<u>22.0</u>	<u>2 2.1</u>
<u>15:14</u>	<u>6.60</u>	<u>1000</u>	<u>21.3</u>	<u>4 4.2</u>
<u>15:17</u>	<u>6.58</u>	<u>999</u>	<u>21.2</u>	<u>6 6.3</u>
<u>15:20</u>	<u>6.60</u>	<u>999</u>	<u>21.3</u>	<u>60 7.0</u>

Weather Conditions Sunny warm clear

Water Color: clear Odor: None

Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-3</u>	<u>3x40m VEA</u>	<u>Y</u>	<u>HCL</u>	<u>GTBL</u>	<u>Cou & BIXE</u>

Comments _____

WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Chino DATE 9-13-95
 ADDRESS 7007 San Ramon Valley Rd JOB # 5290.85
 CITY Dublin CA SS# 9-5542

Well ID MW-4 Well Condition dead

Well Location Description _____

Well Diameter 2" in Hydrocarbon Thickness 0

Total Depth 36' ft

Depth to Liquid 24.42 ft

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

of casing 3x Volume 11.58 x 0.17 x (VF) 1.96 #Estimated purge Volume 5.9 gal.

Purge Equipment Suction Sampling Equipment Bucket

Did well dewater NO If yes, Time _____ Volume _____

Starting Time 15:27 Purging Flow Rate 0.17 gpm.

Sampling Time 15:39

Time	pH	Conductivity	Temperature	Volume
<u>15:30</u>	<u>6.70</u>	<u>936</u>	<u>22.7</u>	<u>2.1</u>
<u>15:33</u>	<u>6.56</u>	<u>926</u>	<u>22.7</u>	<u>4.2</u>
<u>15:36</u>	<u>6.54</u>	<u>937</u>	<u>23.0</u>	<u>6.3</u>
<u>15:39</u>	<u>6.55</u>	<u>935</u>	<u>23.0</u>	<u>6.5</u>

Weather Conditions Sunny warm Breezy

Water Color: Clear Odor: Mild

Sediment Description Clear None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-4</u>	<u>3x40ml VOA</u>	<u>Y</u>	<u>HCL</u>	<u>GTBL</u>	<u>Gas BTEX</u>

Comments _____



WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Chinc DATE 9-13-95
 ADDRESS 7007 San Ramon Valley Rd JOB # 5290.85
 CITY Dublin CA SS# 9-5542

Well ID MW-5 Well Condition okay
 Well Location Description _____

Well Diameter 2" in Hydrocarbon Thickness 0
 Total Depth 36' ft
 Depth to Liquid 23.16 ft

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

of casing 3x 12.84 x 0.17 x(VF) 2.2 #Estimated 6.5 gal.
 Purge Equipment Suction Sampling Equipment Baker
 Did well dewater NO If yes, Time _____ Volume _____

Starting Time 14:49 Purging Flow Rate 0.7 2.2 gpm.
 Sampling Time 15:01

Time	pH	Conductivity	Temperature	Volume
<u>14:52</u>	<u>6.90</u>	<u>987</u>	<u>21.7</u>	<u>2.2</u>
<u>14:55</u>	<u>6.78</u>	<u>974</u>	<u>21.3</u>	<u>4.2</u>
<u>14:58</u>	<u>6.76</u>	<u>968</u>	<u>21.1</u>	<u>6.3</u>
<u>15:01</u>	<u>6.77</u>	<u>970</u>	<u>21.2</u>	<u>7.0</u>

Weather Conditions Sunny warm & clear
 Water Color: Clear Odor: None
 Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-5</u>	<u>3x40m VOA</u>	<u>Y</u>	<u>HCL</u>	<u>GTBL</u>	<u>CO2 BTEX</u>

Comments _____

WELL SAMPLING FIELD DATA SHEET

SAMPLER F. C. Line DATE 9-13-95
 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 34.3 ft

Depth to Liquid 23.53 ft

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

of casing 3x Volume 10.77 x 0.17 x(VF) 1.8 #Estimated 5.5 gal. ¹purge Volume

Purge Equipment Suction Sampling Equipment Barler

Did well dewater NO If yes, Time _____ Volume _____

Starting Time 13:49 Purging Flow Rate 20.6 gpm.

Sampling Time 14:01

Time	pH	Conductivity	Temperature	Volume
<u>13:52</u>	<u>7.00</u>	<u>882</u>	<u>19.9</u>	2 <u>1.8</u>
<u>13:55</u>	<u>6.80</u>	<u>874</u>	<u>19.4</u>	<u>4</u> <u>3.6</u>
<u>13:58</u>	<u>6.71</u>	<u>875</u>	<u>19.5</u>	<u>6</u> <u>5.4</u>
<u>14:01</u>	<u>6.72</u>	<u>875</u>	<u>19.5</u>	<u>6</u> <u>5.4</u>

Weather Conditions Sunny warm & clear

Water Color: clear Odor: None

Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-6</u>	<u>3x40m VOA</u>	<u>4</u>	<u>HCL</u>	<u>GTBL</u>	<u>Gas BVE</u>

Comments _____



WELL SAMPLING FIELD DATA SHEET

SAMPLER F. C. Chix DATE 9-13-95
 ADDRESS 2007 San Ramon Valley Rd JOB # 5290.85
 CITY Duisin CA SS# 9-5542

Well ID MW-7 Well Condition Okay

Well Location Description _____

Well Diameter 2" in Hydrocarbon Thickness 0

Total Depth 355 ft

Depth to Liquid 24.55 ft

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

of casing 3x 10.95 x 0.17 x (VF) 1.86 #Estimated 5.6 gal.
 Volume _____ purge Volume _____

Purge Equipment Suction Sampling Equipment Backer

Did well dewater _____ If yes, Time _____ Volume _____

Starting Time 13:31 Purging Flow Rate _____ gpm.

Sampling Time 13:46

Time	pH	Conductivity	Temperature	Volume
<u>13:35</u>	<u>6.95</u>	<u>970</u>	<u>20.4</u>	<u>2</u>
<u>13:39</u>	<u>6.73</u>	<u>982</u>	<u>20.3</u>	<u>4</u>
<u>13:43</u>	<u>6.70</u>	<u>979</u>	<u>20.7</u>	<u>6</u>
<u>13:46</u>	<u>6.71</u>	<u>980</u>	<u>20.5</u>	<u>7</u>

Weather Conditions Sunny warm & clear

Water Color: None clear Odor: None

Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-7</u>	<u>3x40mVCA</u>	<u>Y</u>	<u>HCL</u>	<u>GTBL</u>	<u>Gas BULK</u>

Comments _____



WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Clinic DATE 9-13-95
 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 34.0 ft

Depth to Liquid 19.80 ft

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

of casing 3x 14.20 x 0.17 x(VF) 2.4 #Estimated 7.0 gal.
 Volume _____ purge Volume _____

Purge Equipment Suction Sampling Equipment Bucket

Did well dewater _____ If yes, Time _____ Volume _____

Starting Time 13:31 - 14:27 Purging Flow Rate 0.6 gpm.

Sampling Time _____

Time	pH	Conductivity	Temperature	Volume
<u>13:35 - 14:31</u>	<u>6.80</u>	<u>1063</u>	<u>22.0</u>	<u>2.4</u>
<u>13:39 - 14:35</u>	<u>6.70</u>	<u>1056</u>	<u>21.3</u>	<u>4.8</u>
<u>13:43 - 14:39</u>	<u>6.71</u>	<u>1051</u>	<u>21.2</u>	<u>7.0</u>
<u>13:46 - 14:42</u>	<u>6.73</u>	<u>1053</u>	<u>21.4</u>	<u>8.0</u>

Weather Conditions Sunny warm & clear

Water Color: Clear Odor: Non-

Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-8</u>	<u>3x40m VEA</u>	<u>Y</u>	<u>HCL</u>	<u>GTBL</u>	<u>Cond BTEX</u>

Comments _____



WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Chiu DATE 9-13-95
 ADDRESS 7007 San Ramon Valley Rd JOB # 5290.85
 CITY Duisin CA SS# 9-5542

Well ID MW-9 Well Condition okay

Well Location Description

Well Diameter 2" in Hydrocarbon Thickness 0

Total Depth 33.5 ft

Depth to Liquid 23.65 ft

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

of casing 3x 9.85 x 0.17 x(VF) 1.67 #Estimated 5.0 gal.
 Purge Volume

Purge Equipment Suction Sampling Equipment Baker

Did well dewater NC If yes, Time _____ Volume _____

Starting Time 14:04 Purging Flow Rate 0.6 gpm.

Sampling Time 14:16

Time	pH	Conductivity	Temperature	Volume
<u>14:07</u>	<u>6.70</u>	<u>951</u>	<u>20.5</u>	<u>1.8</u>
<u>14:10</u>	<u>6.50</u>	<u>940</u>	<u>20.3</u>	<u>3.6</u>
<u>14:13</u>	<u>6.46</u>	<u>938</u>	<u>20.3</u>	<u>5.4</u>
<u>14:16</u>	<u>6.50</u>	<u>938</u>	<u>20.4</u>	<u>6.0</u>

Weather Conditions Sunny warm Breezy

Water Color: clear Odor: None-Strong

Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-9</u>	<u>3x40m VEA</u>	<u>Y</u>	<u>HCL</u>	<u>GTBL</u>	<u>Gas B/L</u>

Comments _____



GTEL

ENVIRONMENTAL
LABORATORIES, INC.

Northwest Region

4080-C Pike Lane
Concord, CA 94520
(510) 685-7852
(800) 544-3422 from inside California
(800) 423-7143 from outside California
(510) 825-0720 (FAX)

September 29, 1995

Argy Leyton
Gettler-Ryan, Inc.
6747 Sierra Ct., Ste J
Dublin, CA 94568

RE: GTEL Client ID: GTR01CHV08
Login Number: C5090173
Project ID (number): 5290.85
Project ID (name): Chevron/#9-5542/7007 San Ramon Valley Rd., Dublin, CA

Dear Argy Leyton:

Enclosed please find the analytical results for the samples received by GTEL Environmental Laboratories, Inc. on 09/15/95.

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.

GTEL is certified by the Department of Health Service under Certification Number E1075.

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.

William Saboda
for

Chip Poalinelli
Laboratory Director

ANALYTICAL RESULTS
Volatile Organics

GTEL Client ID: GTR01CHV08
 Login Number: C5090173
 Project ID (number): 5290.85
 Project ID (name): Chevron/#9-5542/7007 San Ramon Valley Rd., Dublin, CA

Method: EPA8020/15
 Matrix: Aqueous

GTEL Sample Number	C5090173-01	C5090173-02	C5090173-03	C5090173-04
Client ID	TB-LB	MW-2	MW-7	MW-8
Date Sampled	09/13/95	09/13/95	09/13/95	09/13/95
Date Analyzed	09/23/95	09/27/95	09/24/95	09/24/95
Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting		Concentration:			
	Limit	Units				
Benzene	0.5	ug/L	< 0.5	< 0.5	< 0.5	< 0.5
Toluene	0.5	ug/L	< 0.5	0.8	< 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	0.8	< 0.5	< 0.5
TPH as GAS	50	ug/L	< 50	< 50	< 50	< 50
BFB (Surrogate)	--	%	109.	75.9	77.6	75.4

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA8020/15:

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update 1. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 62-129%. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols, May 1988 revision.

ANALYTICAL RESULTS
Volatile Organics

GTEL Client ID: GTR01CHV08
 Login Number: C5090173
 Project ID (number): 5290.85
 Project ID (name): Chevron/#9-5542/7007 San Ramon Valley Rd., Dublin, CA

Method: EPA8020/15
 Matrix: Aqueous

GTEL Sample Number	C5090173-05	C5090173-06	C5090173-07	C5090173-08
Client ID	MW-5	MW-3	MW-6	MW-9
Date Sampled	09/13/95	09/13/95	09/13/95	09/13/95
Date Analyzed	09/27/95	09/26/95	09/26/95	09/26/95
Dilution Factor	1.00	2.00	1.00	5.00

Analyte	Reporting		Concentration:			
	Limit	Units				
Benzene	0.5	ug/L	< 0.5	12.	< 0.5	1900
Toluene	0.5	ug/L	< 0.5	79.	< 0.5	120
Ethylbenzene	0.5	ug/L	< 0.5	76.	< 0.5	490
Xylenes (total)	0.5	ug/L	< 0.5	420	1.1	1400
TPH as GAS	50.	ug/L	< 50.	2100	88.	11000
BFB (Surrogate)	--	%	82.0	131.	75.8	120.

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA8020/15:

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update 1. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 62-129%. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols, May 1988 revision.

ANALYTICAL RESULTS
Volatile Organics

GTEL Client ID: GTR01CHV08
 Login Number: C5090173
 Project ID (number): 5290.85
 Project ID (name): Chevron/#9-5542/7007 San Ramon Valley Rd., Dublin, CA

Method: EPA8020/15
 Matrix: Aqueous

GTEL Sample Number	C5090173-09	C5090173-10	--	--
Client ID	MW-4	MW-1	--	--
Date Sampled	09/13/95	09/13/95	--	--
Date Analyzed	09/26/95	09/27/95	--	--
Dilution Factor	10.0	50.0	--	--

Analyte	Reporting		Concentration:		--	--
	Limit	Units				
Benzene	0.5	ug/L	3100	11000	--	--
Toluene	0.5	ug/L	670	10000	--	--
Ethylbenzene	0.5	ug/L	500	1100	--	--
Xylenes (total)	0.5	ug/L	1400	4900	--	--
TPH as GAS	50.	ug/L	10000	39000	--	--
BFB (Surrogate)	--	%	115.	79.6	--	--

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA8020/15:

"Test Methods for Evaluating Solid Waste. Physical/Chemical Methods", SW-846, Third Edition including promulgated Update 1. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 62-129%. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols. May 1988 revision.

C5090173-09:

Uncategorized compound is not included in gasoline concentration.

Client Number: GTR01CHV08
 Project ID: Chevron
 #9-5542
 7007 San Ramon Valley Rd.
 Dublin, CA
 Login Number: C5-09-0173

CONFORMANCE/NONCONFORMANCE SUMMARY

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

#	Conformance Item	VOA GC/MS	VOA GC	SV GC/MS	SV GC	Metals	Wet Chem
1	GC/MS Tune		NA		NA	NA	NA
2	Initial Calibration		X				
3	Continuing Calibration		X				
4	Surrogate Recovery		X			NA	NA
5	Holding Time		X				
6	Method Accuracy		X				
7	Method Precision		X				

8 Blank Contamination - List/ND (None Detected)/*(See Comments)

VOA:

SV:

Metals:

Wet Chem:

9 Comments: