Chevron

Chevron U.S.A. Products Company
6001 Bollinger Canyon Road
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San Ramon, CA 94583
P.O. Box 5004
San Ramon, CA 94583-0804

Marketing – Northwest Region
Phone 510 842 9500

August 27, 1994

Ms. Eva Chu
Alameda County Environmental Health
80 Swan Way, Room 200
Oakland, CA 94621

Re: Chevron Station # 9-5542, 7007 San Ramon Valley Blvd., Dublin, CA
Attached groundwater monitoring report (Sierra, 4/15/94)

Dear Ms. Chu:

Please find attached a report dated April 15, 1994, which was prepared by Chevron's consultant, Sierra Environmental Services (Sierra), to describe groundwater monitoring performed at the subject site on March 21, 1994.

During Sierra's site visit the measured direction of groundwater flow was toward the east. All eight site-related wells were sampled. Dissolved petroleum hydrocarbons were detected at all eight locations. The measured concentrations were consistent with those detected during previous site monitoring events.

If you have any questions or comments, I can be reached at (510) 842-8695.

Sincerely,

Brett L. Hunter

Brett L. Hunter
Environmental Engineer
Site Assessment and Remediation

Attachment

cc: Richard Hiett, San Francisco Bay RWQCB, Oakland, CA
Mary Diamond, See's Candy, 3423 S. La Cienega Blvd., Los Angeles, CA 90016-4401
Kenneth Chait, Ardenbrook, Inc., 4725 Thornton Ave., Fremont, CA 94536
See's Real Estate, 210 El Camino Real, S. San Francisco, CA 94080 (w/o attachment)

APR 27 '94 J.M.M.

SIERRA
Environmental Services

April 15, 1994

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

Re: Chevron Service Station #9-5542
7007 San Ramon Road
Dublin, California
SES Project #1-214-04

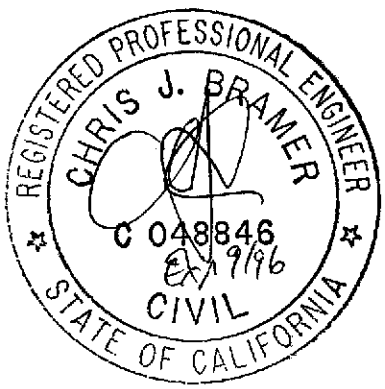
Dear Mr. Hunter:

This report presents the results of the quarterly ground water sampling at Chevron Service Station #9-5542, located at 7007 San Ramon Road in Dublin, California. Eight wells, MW-1 through MW-8, were sampled (Figure 1).

On March 21, 1994, SES personnel visited the site. Water level measurements were collected from six wells and all were checked for the presence of free-phase hydrocarbons. Free-phase hydrocarbons were not present in any of the site wells. Water level data are shown in Table 1 and ground water elevation contours are included on Figure 1.

The ground water samples were collected on March 21, 1994 in accordance with SES Standard Operating Procedure - Ground Water Sampling (attached). All analyses were performed by GTEL of Concord, California. Analytic results for ground water are presented in Table 2. The chain of custody document and laboratory analytic reports are attached. SES is not responsible for laboratory omissions or errors.

Thank you for allowing us to provide services to Chevron. Please call if you have any questions.



Sincerely,
Sierra Environmental Services

Argy Mena
Staff Geologist

Chris J. Bramer
Professional Engineer #C48846

AJM/CJB/wmc
21404QM.AP4

Attachments: Figure
Tables
SES Standard Operating Procedure
Chain of Custody Document and Laboratory Analytic Reports

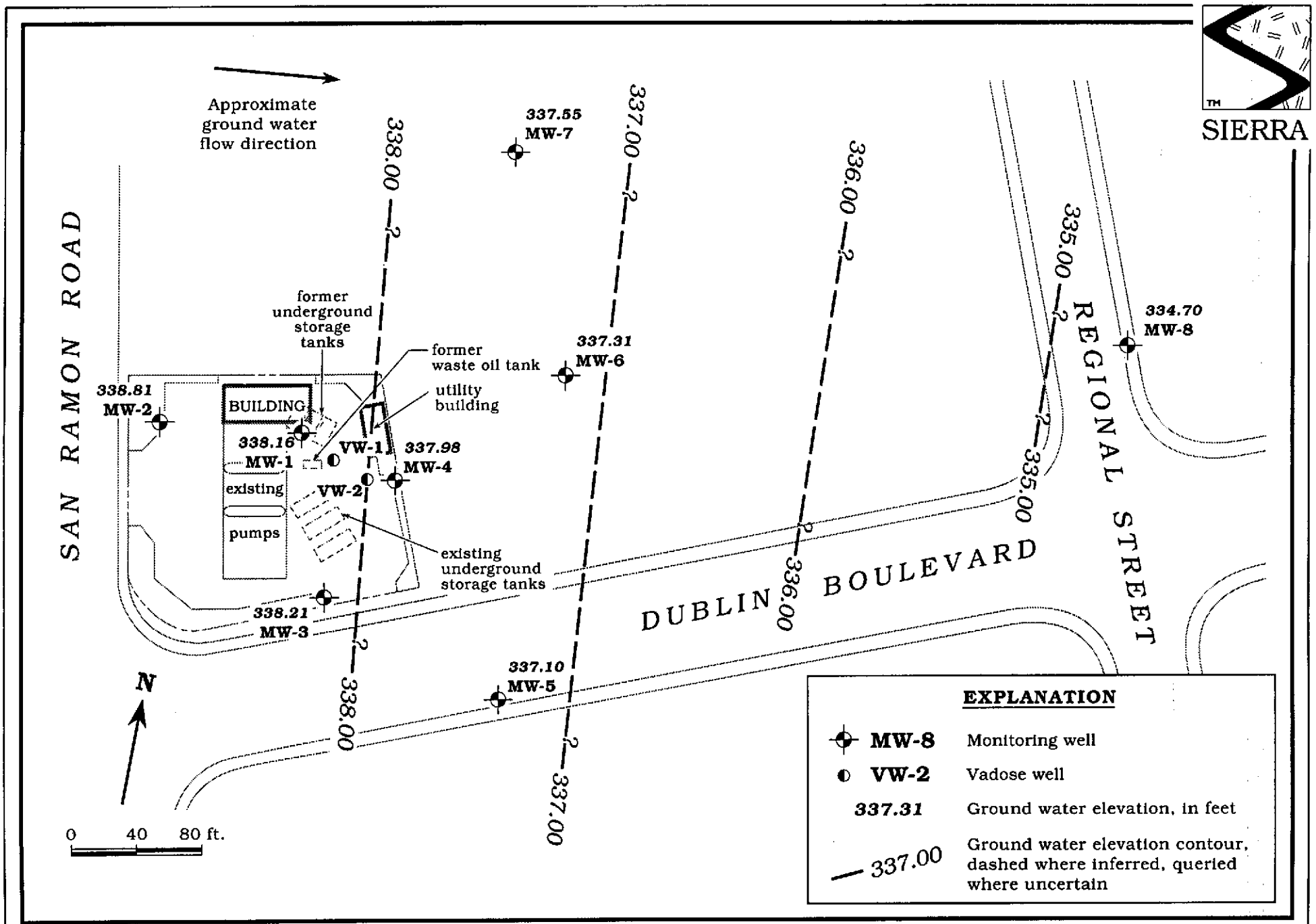


Figure 1. Monitoring Well Location and Ground Water Elevation Contour Map - March 21, 1994 - Chevron Service Station #9-5542, 7007 San Ramon Road, Dublin, California

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Table 1. Water Level Data and Well Construction Details - Chevron Service Station #9-5542, 7007 San Ramon Road, Dublin, California

Well ID	Date Measured	DTW (ft)	TOC (msl)	GWE (msl)	Product Thickness* (ft)	Screen Interval	Sand Pack Interval	Bentonite/Grout Interval
						<----------feet below grade---------->		
MW-1	5/31/91	25.67	363.98[1]	338.31	0	20.0 - 35.0	19.5 - 35.5	0 - 19.5
	6/21/91	26.23		337.75	0			
	7/17/91	26.53		337.45	0			
	10/4/91	27.90		336.08	0			
	12/19/91	28.12		335.86	0			
	3/19/92	24.63		339.35	0			
	6/19/92	26.23	364.32[2]	338.09	0			
	9/22/92	27.73		336.59	0			
	12/18/92	26.76		337.56	0			
	3/22/93[4]	---		---	---			
	6/14/93[4]	---		---	---			
	7/25/93[4]	---		---	---			
	9/23/93[4]	---		---	---			
	3/21/94	**26.16**		**338.16**	**0**			
MW-2	5/31/91	25.51	364.19[1]	338.68	0	22.0 - 37.0	20.0 - 37.0	0 - 20.0
	6/21/91	26.13		338.06	0			
	7/17/91	26.46		337.73	0			
	10/4/91	27.79		336.40	0			
	12/19/91	28.06		336.13	0			
	3/19/92	24.46		339.73	0			
	6/19/92	26.10	364.64[2]	338.54	0			
	9/22/92	27.60		337.04	0			
	12/18/92	26.32		338.32	0			
	3/22/93	21.39		343.29	0			
	6/14/93	25.15		339.49	0			
	7/25/93	24.52		340.12	0			
	9/23/93	25.63		339.01	0			
	12/22/93	26.34		338.30	0			
	3/21/94	**25.83**		**338.81**	**0**			
MW-3	5/31/91	23.20	361.92[1]	338.72	0	20.0 - 35.0	19.0 - 35.0	0 - 19.0
	6/21/91	24.13		337.79	0			
	7/17/91	24.59		337.73	0			
	9/20/91	25.98		335.94	0			
	12/19/91	26.24		335.68	0			
	3/19/92	22.46		339.46	0			
	6/19/92	24.32	362.26[2]	337.94	0			
	9/22/92	25.84		336.42	0			
	12/18/92	24.40		337.86	0			

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Table 1. Water Level Data and Well Construction Details - Chevron Service Station #9-5542, 7007 San Ramon Road, Dublin, California (continued)

Well ID	Date Measured	DTW (ft)	TOC (msl)	GWE (msl)	Product Thickness* (ft)	Screen Interval	Sand Pack Interval	Bentonite/Grout Interval
						<----------feet below grade---------->		
MW-3 (cont)	3/22/93	19.72		342.54	0			
	6/14/93	23.52		338.74	0			
	7/25/93	23.21		339.05	0			
	9/23/93	24.02		338.24	0			
	12/22/93	24.67		337.59	0			
	3/21/94	**24.05**		**338.21**	**0**			
MW-4	5/31/91	24.67	362.70[1]	338.03	0	20.0 - 35.0	19.0 - 35.0	0 - 19.0
	6/21/91	25.31		337.39	0			
	7/17/91	25.73		336.97	0			
	10/4/91	27.08		335.62	0			
	12/19/91	27.24		335.46	0			
	3/19/92	23.66		339.04	0			
	6/19/92	25.33	363.07[2]	337.74	0			
	9/22/92	26.90		336.17	0			
	12/18/92	25.62		337.45	0			
	3/22/93	20.80		342.27	0			
	6/14/93	25.73		337.34	0			
	7/25/93	24.02		339.05	0			
	9/23/93	25.00		338.07	0			
	12/22/93	25.72		337.35	0			
	3/21/94	**25.09**		**337.98**	**0**			
MW-5	6/21/91	23.17	359.95[1]	336.78	0	21.0 - 36.0	19.5 - 36.0	0 - 19.5
	7/17/91	23.68		336.27	0			
	10/4/91	25.20		334.75	0			
	12/19/91	25.20		334.75	0			
	3/19/92	21.21		338.74	0			
	6/19/92	23.42	360.28[2]	336.86	0			
	9/22/92	24.97		335.31	0			
	12/18/92	23.52		336.76	0			
	3/22/93	19.10		341.18	0			
	6/14/93	22.71		337.57	0			
	7/25/93	21.99		338.29	0			
	9/23/93	23.48		336.80	0			
	12/22/93	23.98		336.30	0			
	3/21/94	**23.18**		**337.10**	**0**			
MW-6	6/21/91	23.55	360.22[1]	336.67	0	20.0 - 35.0	18.5 - 35.0	0 - 18.5
	7/17/91	24.00		336.22	0			

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Table 1. Water Level Data and Well Construction Details - Chevron Service Station #9-5542, 7007 San Ramon Road, Dublin, California (continued)

Well ID	Date Measured	DTW (ft)	TOC (msl)	GWE (msl)	Product Thickness* (ft)	Screen Interval	Sand Pack Interval	Bentonite/Grout Interval
						<----------feet below grade---------->		
MW-6 (cont)	10/4/91	25.29		334.93	0			
	12/19/91	25.34		334.88	0			
	3/19/92	22.05		338.17	0			
	6/19/92	23.52	360.58[2]	337.06	0			
	9/22/92	25.60		334.98	0			
	12/18/92	24.18		336.40	0			
	3/22/93	19.36		341.22	0			
	6/14/93	23.48		337.10	0			
	7/25/93	22.30		338.28	0			
	9/23/93	23.20		337.38	0			
	12/22/93	23.91		336.67	0			
	3/21/94	**23.27**		**337.31**	**0**			
MW-7	6/21/91	23.45	360.63[1]	337.18	0	20.0 - 35.0	18.5 - 35.0	0 - 18.5
	7/17/91	23.90		336.73	0			
	10/4/91	25.03		335.60	0			
	12/19/91	25.10		335.53	0			
	3/19/92	22.74		337.89	0			
	6/19/92[3]	---	360.99[2]	---	---			
	9/22/92[3]	---		---	---			
	12/18/92[3]	---		---	---			
	3/22/93[5]	---		---	---			
	6/14/93[5]	---		---	---			
	7/25/93[5]	---		---	---			
	12/23/93	23.67	361.68[6]	338.01	0			
	3/21/94	**24.13**		**337.55**	**0**			
MW-8	12/12/91	22.54	---	---	0	---	---	---
	6/19/92	20.47	354.89[2]	334.42	0			
	9/22/92	29.80		325.09	0			
	12/18/92	21.18		333.71	0			
	3/22/93	16.91		337.98	0			
	6/14/93	24.30		330.59	0			
	7/25/93	23.77		331.12	0			
	9/23/93	20.40		334.49	0			
	12/22/93	20.92		333.97	0			
	3/21/94	**20.19**		**334.70**	**0**			

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Table 1. Water Level Data and Well Construction Details - Chevron Service Station #9-5542, 7007 San Ramon 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
--- = Not available/not applicable

NOTES:

Well construction details for MW-1 through MW-4 were compiled from a draft report prepared by Chempro, undated.

* 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.

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Table 2. Analytic Results for Ground Water - Chevron Service Station #9-5542, 7007 San Ramon Road, Dublin, California

Sample ID	Date	Analytic Method	Analytic Lab	TPH(G)	O&G	B	T	E	X	Other HVOCs	1,2-DCA	EDB	OL
				<----------ppb---------->									
MW-1	4/3-4/90	8015/602/504	*	46,000	---	8,400	7,400	860	5,600	---	---	1.04	---
(D)	4/3-4/90	8015/602/504	*	43,000	---	8,400	7,200	840	5,200	---	---	1.1	---
	5/31/91	8015/8020/8010	SAL	31,000	---	7,400	2,500	630	2,100	ND[1]	2	---	---
	5/31/91	503E	SAL	---	<5,000	---	---	---	---	---	---	---	---
	9/20/91	8015/8020/8010	SAL	31,000	---	3,000	2,800	610	3,100	ND[1]	0.6	---	---
	12/19/91	8015/8020/8010	SPA	20,000	---	5,200	1,700	560	2,000	ND[1]	3.3	---	---
	3/19/92	8015/8020/8010	SPA	30,000	---	8,500	3,600	590	2,400	ND[1]	2.7	---	---
	6/19/92	8015/8020	SPA	25,000	---	1,100	2,000	520	1,800	---	---	---	---
	9/22/92	8015/8020	SPA	21,000	---	8,000	3,500	670	2,900	---	---	---	---
	12/18/92	8015/8020	SPA	79,000	---	12,000	12,000	1,600	8,500	---	---	---	---
	3/10/93[6]	---	---	---	---	---	---	---	---	---	---	---	---
	3/21/94	**8015/8020**	**GTEL**	**5,600**	---	**1,600**	**560**	**140**	**330**	---	---	---	---
MW-2	4/3-4/90	8015/602/504	*	<50	---	<0.3	<0.3	<0.3	<0.6	---	---	<0.02	---
	5/31/91	8015/8020/8010	SAL	100	---	3.1	4.2	0.7	2.0	ND[1]	<0.5	---	---
	5/31/91	503E	SAL	---	<5,000	---	---	---	---	---	---	---	---
	9/20/91	8015/8020	SAL	68	---	1.3	1.6	0.8	3.0	---	---	---	---
	12/19/91	8015/8020	SPA	<50	---	0.6	1,2	0.8	2.5	---	---	---	---
	3/19/92	8015/8020	SPA	<50	---	2.5	2.0	1.1	2.4	---	---	---	---
	6/19/92	8015/8020	SPA	<50	---	<0.5	0.6	0.7	1.2	---	---	---	---
	9/22/92	8015/8020	SPA	200	---	16	42	6.1	32	---	---	---	---
	12/18/92	8015/8020	SPA	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	3/22/93	8015/8020	GTEL	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	7/25/93	8015/8020	GTEL	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	9/23/93	8015/8020	GTEL	72	---	12	4	6	8	---	---	---	---
	12/22/93	8015/8020	SPA	1,600	---	25	<0.5	3.8	4.8	---	---	---	---
	3/21/94	**8015/8020**	**GTEL**	**<50**	---	**0.7**	**3.3**	**<0.5**	**1.9**	---	---	---	---
MW-3	4/3-4/90	8015/602/504	*	2,200	---	36	5	6	17	---	---	<0.02	---
	5/31/91	8015/8020/8010	SAL	2,200	---	130	11	31	78	ND[1]	19	---	---
	5/31/91	503E	SAL	---	<5,000	---	---	---	---	---	---	---	---
	9/20/91	8015/8020	SAL	2,200	---	190	16.0	24	32	---	---	---	---
	12/19/91	8015/8020	SPA	640	---	73	27	17	56	---	---	---	---
	3/19/92	8015/8020	SPA	4,500	---	1,000	15	91	240	---	---	---	---
	6/19/92	8015/8020	SPA	1,100	---	89	3.3	9.1	13	---	---	---	---
	9/22/92	8015/8020	SPA	1,400	---	81	51	15	49	---	---	---	---
	12/18/92	8015/8020	SPA	1,100	---	2.0	1.1	53	38	---	---	---	---
	3/22/93	8015/8020	GTEL	1,600	---	96	9	14	91	---	---	---	---
	7/25/93	8015/8020	GTEL	1,200	---	19	6	2	5	---	---	---	---

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Table 2. Analytic Results for Ground Water - Chevron Service Station #9-5542, 7007 San Ramon Road, Dublin, California (continued)

Sample ID	Date	Analytic Method	Analytic Lab	TPPH(G)	O&G	B	T	E	X	Other HVOCs	1,2-DCA	EDB	OL
				<----------ppb---------->									
MW-3	9/23/93	8015/8020	GTEL	1,500	---	35	<0.5	5	13	---	---	---	---
(cont)	12/22/93	8015/8020	SPA	1,500	---	26	<0.5	3.9	4.9	---	---	---	---
	3/21/94	**8015/8020**	**GTEL**	**1,400**	**---**	**22**	**14**	**1.1**	**5.3**	**---**	**---**	**---**	**---**
[illegible]	4/3-4/90	8015/413.1/602/504	*	43,000	18,000	4,000	5,000	790	5,500	---	---	<0.02	---
	4/3-4/90	624**	*	---	---	6,000	8,200	1,500	---	---	---	---	---
	5/31/91	8015/8020/8010	SAL	34,000	---	2,900	2,900	680	3,300	ND[1]	<0.5	---	---
	5/31/91	503E	SAL	---	<5,000	---	---	---	---	---	---	---	---
	9/20/91	8015/8020/8010	SAL	37,000	---	4,000	3,200	580	3,000	ND[1]	9.2	---	---
	12/19/91	8015/8020/8010	SPA	41,000	---	5,500	4,900	1,000	4,400	ND[1]	17	---	---
	3/19/92	8015/8020/8010	SPA	21,000	---	3,800	2,900	500	3,200	ND[2]	15	---	---
	6/19/92	8015/5520/8020	SPA	27,000	<5,000	1,800	1,600	570	1,900	---	---	---	---
	9/22/92	8015/5520/8020	SPA	20,000	<5,000	4,100	2,700	670	3,200	---	---	---	---
	12/18/92	8015/5520/8020	SPA	15,000	<5,000	2,200	2,000	370	1,600	---	---	---	---
	3/22/93	8015/5520/8020	GTEL	41,000	5,000	3,900	5,100	840	4,500	---	---	---	---
	7/25/93	8015/5520/8020	GTEL	94,000	<5,000	18,000	30,000	2,400	14,000	---	---	---	---
	9/23/93	8015/5520/8020	GTEL	23,000	<5,000	4,700	2,000	900	4,600	---	---	---	---
	12/22/93	8015/5520/8020	SPA	18,000	<5,000	2,800	1,300	420	1,700	---	---	---	---
	3/21/94	**8015/413.1/8020**	**GTEL**	[illegible] *	**<5,000**	[illegible]	**1,700**	**540**	**1,900**	**---**	**---**	**---**	**---**
MW-5	6/21/91	8015/8020	SAL	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	6/21/91	8010/LUFT	SAL	---	---	---	---	---	---	ND[1]	<0.5	---	<4,000
	9/20/91	8015/8020	SAL	170[3]	---	0.8	0.9	<0.5	1.5	---	---	---	---
	12/19/91	8015/8020	SPA	<50	---	0.7	0.7	<0.5	1.4	---	---	---	---
	3/19/92	8015/8020	SPA	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	6/19/92	8015/8020	SPA	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	9/22/92	8015/8020	SPA	150	---	13	34	5.0	26	---	---	---	---
	12/18/92	8015/8020	SPA	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	3/10/93	8015/8020	GTEL	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	7/25/93	8015/8020	GTEL	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	9/23/93	8015/8020	GTEL	<50	---	3	1	1	2	---	---	---	---
	12/22/93	8015/8020	SPA	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	3/21/94	**8015/8020**	**GTEL**	**<50**	**---**	**2.4**	**1.4**	**<0.5**	**2**	**---**	**---**	**---**	**---**
MW-6	6/21/91	8015/8020	SAL	3,700	---	50	2.6	150	340	---	---	---	---
	6/21/91	8010/LUFT	SAL	---	---	---	---	---	---	ND[1]	<0.5	---	<4,000
	9/20/91	8015/8020	SAL	3,200	---	28	<0.5	140	100	---	---	---	---
	12/19/91	8015/8020	SPA	380	---	2.7	4.0	15	10	---	---	---	---
	3/19/92	8015/8020	SPA	3,400	---	57	4.5	330	360	---	---	---	---

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Table 2. Analytic Results for Ground Water - Chevron Service Station #9-5542, 7007 San Ramon Road, Dublin, California (continued)

Sample ID	Date	Analytic Method	Analytic Lab	TPPH(G)	O&G	B	T	E	X	Other HVOCs	1,2-DCA	EDB	OL
				<----------ppb---------->									
MW-6 (cont)	6/19/92	8015/8020	SPA	980	---	11	4.2	57	38	---	---	---	---
	9/22/92	8015/8020	SPA	1,100	---	22	41	77	58	---	---	---	---
	12/18/92	8015/8020	SPA	1,900	---	3.2	1.3	58	47	---	---	---	---
	3/10/93	8015/8020	GTEL	1,400	---	30	9	8	22	---	---	---	---
	7/25/93	8015/8020	GTEL	83[8]	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	9/23/93	8015/8020	GTEL	200	---	6	2	3	3	---	---	---	---
	12/22/93	8015/8020	SPA	130	---	<0.5	1.8	1.2	1.5	---	---	---	---
	3/21/94	**8015/8020**	**GTEL**	**290**	---	**3**	**10**	**1.6**	**4.7**	---	---	---	---
MW-7	6/21/91	8015/8020	SAL	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	6/21/91	8010/LUFT	SAL	---	---	---	---	---	---	ND[1]	<0.5	---	<4,000
	9/20/91	8015/8020	SAL	69	---	4.4	3.3	1.2	3.9	---	---	---	---
	12/19/91	8015/8020	SPA	<50	---	0.9	2.8	1.7	5.9	---	---	---	---
	3/19/92	8015/8020	SPA	<50	---	1.1	0.6	0.9	2.5	---	---	---	---
	6/19/92[4]	---	---	---	---	---	---	---	---	---	---	---	---
	9/22/92[4]	---	---	---	---	---	---	---	---	---	---	---	---
	12/18/92[4]	---	---	---	---	---	---	---	---	---	---	---	---
	3/22/93[7]	---	---	---	---	---	---	---	---	---	---	---	---
	7/25/93[7]	---	---	---	---	---	---	---	---	---	---	---	---
	12/23/93	8015/8020	SPA	<50	---	0.9	0.5	<0.5	<0.5	---	---	---	---
	3/21/94	**8015/8020**	**GTEL**	**<50**	---	**0.5**	**1.1**	**<0.5**	**1.4**	---	---	---	---
MW-8	12/12/91	8015/8020	SPA	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	6/19/92	8015/8020	SPA	<50	---	1.2	1.4	0.5	2.9	---	---	---	---
	9/22/92	8015/8020	SPA	180	---	17	42	6.0	31	---	---	---	---
	12/18/92	8015/8020	SPA	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	3/10/93	8015/8020	GTEL	<50	---	0.8	2	<0.5	2	---	---	---	---
	7/25/93	8015/8020	GTEL	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	9/23/93	8015/8020	GTEL	<50	---	1	0.9	0.7	1	---	---	---	---
	12/22/93	8015/8020	SPA	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	3/21/94	**8015/8020**	**GTEL**	**<50**	---	**0.9**	**1.5**	**<0.5**	**2**	---	---	---	---
Trip Blank MW-AA	5/31/91	8015/8020	SAL	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	6/21/91	8015/8020	SAL	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	9/20/91	8015/8020	SAL	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	12/19/91	8015/8020	SPA	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---

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Table 2. Analytic Results for Ground Water - Chevron Service Station #9-5542, 7007 San Ramon Road, Dublin, California (continued)

Sample ID	Date	Analytic Method	Analytic Lab	TPPH(G)	O&G	B	T	E	X	Other HVOCs	1,2-DCA	EDB	OL
				<----------				ppb					---------->
Trip Blank													
(cont)	3/19/92	8015/8020	SPA	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
TB-LB	6/19/92	8015/8020	SPA	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	9/22/92	8015/8020	SPA	92[5]	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	12/18/92	8015/8020	SPA	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	3/10/93	8015/8020	GTEL	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	3/22/93	8015/8020	GTEL	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	7/25/93	8015/8020	GTEL	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	9/23/93	8015/8020	GTEL	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	12/22/93	8015/8020	SPA	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	3/21/94	**8015/8020**	**GTEL**	**<50**	**---**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**---**	**---**	**---**	**---**
Bailer Blank													
MW-BB	5/31/91	8015/8020	SAL	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	6/21/91	8015/8020	SAL	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	9/20/91	8015/8020	SAL	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	12/19/91	8015/8020	SPA	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	3/19/92	8015/8020	SPA	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	6/19/92	8015/8020	SPA	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	9/22/92	8015/8020	SPA	<50	---	<0.5	<0.5	<0.5	0.8	---	---	---	---
	12/21/92	8015/8020	SPA	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	3/10/93	8015/8020	GTEL	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	3/22/93	8015/8020	GTEL	<50	---	<0.5	<0.5	<0.5	0.6	---	---	---	---
	7/25/93	8015/8020	GTEL	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	9/23/93	8015/8020	GTEL	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	12/22/93	8015/8020	SPA	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	3/21/94	**8015/8020**	**GTEL**	**<50**	**---**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**---**	**---**	**---**	**---**

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Table 2. Analytic Results for Ground Water - Chevron Service Station #9-5542, 7007 San Ramon Road, Dublin, California (continued)

EXPLANATION:

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
--- = Not analyzed/not applicable
ND = Not detected (see notes)

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

ANALYTIC METHODS: (continued)

413.1 = EPA Method 413.1 for total O&G
624 = EPA Method 624 for BTEX and VOCs
5520 = Standard Methods Method 5520 for O&G
LUFT = DHS LUFT Manual Method for OL

ANALYTIC LABORATORIES:

SAL = Superior Analytic Laboratory, Inc. of San Francisco and Martinez, California
SPA = Superior Precision Analytical, Inc. of San Francisco and Martinez, California
GTEL = Groundwater Technology Environmental Laboratory, Inc., of Concord, California

NOTES:

Analytic data was compiled from a draft report prepared by Chempro, undated.
* Analytic laboratory was not shown.
** 624 compounds other than BTE were not reported
[1] Other HVOCs were not detected at detection limits ranging from 0.5 to 1 ppb.
[2] 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.
[3] A non-standard gasoline pattern was observed in the chromatogram.
[4] This well could not be located; therefore it was not sampled.
[5] Gasoline range concentration reported. The chromatogram shows only a single peak in the gasoline range.
[6] Monitoring well deleted from sampling program per Chevron Project Engineer.
[7] Monitoring well not located since March 1992 sampling event.
[8] Uncategorized compound not included in gasoline total.

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SES STANDARD OPERATING PROCEDURE
GROUND WATER SAMPLING

The following describes sampling procedures used by SES field personnel to collect and handle ground water samples. Before samples are collected, careful consideration is given to the type of analysis to be performed so that precautions are taken to prevent loss of volatile components or contamination of the sample, and to preserve the sample for subsequent analysis. Wells will be sampled no less than 24 hours after well development. Collection methods specific to ground water sampling are presented below.

Prior to sampling, each well is checked for the presence of free-phase hydrocarbons using an MMC flexi-dip interface probe. Product thickness (measured to the nearest 0.01 foot) is noted on the sampling form. Water level measurements are also made using either a water level meter or the interface probe. The water level measurements are also noted on the sampling form.

Prior to sampling, each well is purged of a minimum of three well casing volumes of water using a steam-cleaned PVC bailer, or a pre-cleaned pump. Temperature, pH and electrical conductivity are measured at least three times during purging. Purging is continued until these parameters have stabilized (i.e., changes in temperature, pH or conductivity do not exceed ±0.5°F, 0.1 or 5%, respectively).

The purge water is taken to Chevron's Richmond Refinery for disposal.

Ground water samples are collected from the wells with steam-cleaned Teflon bailers. The water samples are decanted into the appropriate container for the analysis to be performed. Pre-preserved sample containers may be used or the analytic laboratory may add preservative to the sample upon arrival. Duplicate samples are collected from each well as a back-up sample and/or to provide quality control. The samples are labeled to include the project number, sample ID, date, preservative, and the field person's initials. The samples are placed in polyethylene bags and in an ice chest (maintained at 4°C) for transport under chain of custody to the laboratory.

The chain of custody form includes the project number, analysis requested, sample ID, date analysis and the SES field person's name. The form is signed and dated (with the transfer time) by each person who yields or receives the samples beginning with the field personnel and ending with the laboratory personnel.

A trip blank and bailer blank accompanies each sampling set, or 5% trip blanks and 5% bailer blanks are included for sets of greater than 20 samples. The bailer blank is prepared by pouring previously boiled water into a steam-cleaned Teflon bailer prior to sampling a well. The trip and bailer blanks are analyzed for some or all of the same compounds as the ground water samples.

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

Northwest Region
4080 Pike Lane
Suite C
Concord, CA 94520
(510) 685-7852
(800) 544-3422 Inside CA
FAX (510) 825-0720

Client Number: SIE01CHV08
Consultant Project Number: 1-214-04
Facility Number: 9-5542
Project ID: 7007 San Ramon Rd., Dublin
Work Order Number: C4-03-0395

March 29, 1994

Ed Morales
Sierra Environmental Services
P.O. Box 2546
Martinez, CA 94553

Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories, Inc. on 03/22/94.

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 California State Department of Health Services, Laboratory certification number E1075, to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

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

Sincerely,

GTEL Environmental Laboratories, Inc.

Edwin Coelho
for,

Rashmi Shah
Laboratory Director

Client Number: SIE01CHV08
Consultant Project Number: 1-214-04
Facility Number: 9-5542
Project ID: 7007 San Ramon Rd., Dublin
Work Order Number: C4-03-0395

ANALYTICAL RESULTS

Aromatic Volatile Organics and

Total Petroleum Hydrocarbons as Gasoline in Water

EPA Methods 5030, 8020, and Modified 8015[a]

GTEL Sample Number		01	02	03	04
Client Identification		TB LB	BB	MW-5	MW-8
Date Sampled		03/21/94	03/21/94	03/21/94	03/21/94
Date Analyzed		03/24/94	03/24/94	03/26/94	03/25/94
Analyte	Detection Limit, ug/L	Concentration, ug/L			
Benzene	0.5	<0.5	<0.5	2.4	0.9
Toluene	0.5	<0.5	<0.5	1.4	1.5
Ethylbenzene	0.5	<0.5	<0.5	<0.5	<0.5
Xylene, total	0.5	<0.5	<0.5	2	2
TPH as Gasoline	50	<50	<50	<50	<50
Detection Limit Multiplier		1	1	1	1
BFB surrogate, % recovery		93.5	96.3	97.2	94.1

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual procedures. Bromofluorobenzene surrogate recovery acceptability limits are 70-130%.

Client Number: SIE01CHV08
Consultant Project Number: 1-214-04
Facility Number: 9-5542
Project ID: 7007 San Ramon Rd., Dublin
Work Order Number: C4-03-0395

ANALYTICAL RESULTS

Aromatic Volatile Organics and

Total Petroleum Hydrocarbons as Gasoline in Water

EPA Methods 5030, 8020, and Modified 8015[a]

GTEL Sample Number		05	06	07	08
Client Identification		MW-6	MW-7	MW-2	MW-3
Date Sampled		03/21/94	03/21/94	03/21/94	03/21/94
Date Analyzed		03/26/94	03/25/94	03/26/94	03/25/94
Analyte	Detection Limit, ug/L	Concentration, ug/L			
Benzene	0.5	3	0.5	0.7	22
Toluene	0.5	10	1.1	3.3	14
Ethylbenzene	0.5	1.6	<0.5	<0.5	1.1
Xylene, total	0.5	4.7	1.4	1.9	5.3
TPH as Gasoline	50	290	<50	<50	1400
Detection Limit Multiplier		1	1	1	1
BFB surrogate, % recovery		98.9	93.8	97.3	91.9

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual procedures. Bromofluorobenzene surrogate recovery acceptability limits are 70-130%.

Client Number: SIE01CHV08
Consultant Project Number: 1-214-04
Facility Number: 9-5542
Project ID: 7007 San Ramon Rd., Dublin
Work Order Number: C4-03-0395

ANALYTICAL RESULTS

Aromatic Volatile Organics and

Total Petroleum Hydrocarbons as Gasoline in Water

EPA Methods 5030, 8020, and Modified 8015[a]

GTEL Sample Number		09	10	M032494	
Client Identification		MW-4	MW-1	METHOD BLANK	
Date Sampled		03/21/94	03/21/94	–	
Date Analyzed		03/28/94	03/25/94	03/24/94	
Analyte	Detection Limit, ug/L	Concentration, ug/L			
Benzene	0.5	2800	1600	<0.5	
Toluene	0.5	1700	560	<0.5	
Ethylbenzene	0.5	540	140	<0.5	
Xylene, total	0.5	1900	330	<0.5	
TPH as Gasoline	50	21000	5900	<50	
Detection Limit Multiplier		25	50	1	
BFB surrogate, % recovery		98.5	89.5	105	

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual procedures. Bromofluorobenzene surrogate recovery acceptability limits are 70-130%.

Client Number: SIE01CHV08
Consultant Project Number: 1-214-04
Facility Number: 9-5542
Project ID: 7007 San Ramon Rd., Dublin
Work Order Number: C4-03-0395

ANALYTICAL RESULTS

Total Oil and Grease in Water by Gravimetric Analysis

EPA Method 413.1[a]

a. Methods for Chemical Analysis of Water and Wastes, Revised March 1983, U.S. Environmental Protection Agency.

GTEL Sample Number		09	032794 TOG		
Client Identification		MW-4	METHOD BLANK		
Date Sampled		03/21/94	--		
Date Prepared		03/27/94	03/27/94		
Date Analyzed		03/27/94	03/27/94		
Analyte	Detection Limit, mg/L	Concentration, mg/L			
Total Oil and Grease	5	<5	<5		
Detection Limit Multiplier		1	1		

GTEL ENVIRONMENTAL LABORATORIES, INC.

Client Number: SIE01CHV08
Consultant Project Number: 1-214-04
Facility Number: 9-5542
Project ID: 7007 San Ramon Rd., Dublin
Work Order Number: C4-03-0395

QC Check Sample Results

Analyte	Source	Date of Analysis	Expected Value	Units	Recovery, %
TOG/IR:	IW-0200	03/27/94	104.5	mg/L	98.8

QC Matrix Spike and Duplicate Spike Results

Matrix: Water

Analyte	Sample ID	Spike Amount	Units	Recovery, %	Duplicate Recovery, %	RPD, %	Control Limits
Modified EPA 8020:							
Benzene	C4030386-07	20.0	ug/L	99.5	88.5	11.7	57.3 - 138
Toluene	C4030386-07	20.0	ug/L	101	87.5	14.3	63.0 - 134
Ethylbenzene	C4030386-07	20.0	ug/L	98.0	87.0	11.9	59.3 - 137
Xylene, total	C4030386-07	60.0	ug/L	98.6	87.3	12.2	59.3 - 144
TOG/IR:	LCS[a]	108.5	mg/L	98.2	98.7	0.5	70 - 130

a. Laboratory control sample indicated that the analysis was within control limits.

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

Chain-of-Custody-Record

evron U.S.A. Inc.
O. BOX 5004
n Ramon, CA 94583
X (415)842-9591

Chevron Facility Number 9-5542
Facility Address 7007 San Ramon Blvd. Dublin
Consultant Project Number 1-214-04
Consultant Name Sierra Environmental Services
Address P.O. Box 2546, Martinez, CA 94553
Project Contact (Name) Ed Morales
(Phone) 510-370-1280 (Fax Number) 510-370-7959

Chevron Contact (Name) Brett Hunter
(Phone) 842 3695
Laboratory Name GTEL
Laboratory Release Number 323620
Samples Collected by (Name) Jim Irwin
Collection Date 3/21/94
Signature

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed: BTEX + TPH GAS (8020 + 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 (ICAP or AA)					Remarks
TB LB	01	3	W	G	--	HCl	Y	✓												Note: Do Not Bill TB-LB Samples 4° seals intact
TB	02				11:20			✓												
W-5	03				12:35			✓												
W-3	04				1:15			✓												
W-6	05				2:18			✓												
W-7	06				2:34			✓												
W-2	07				2:51			✓												
W-3	08				3:10			✓												
W-4	09			HCl + H2SO4	3:30			✓		✓										
W-1	10	↓	↓	HCl ↓	4:15	↓	↓	✓												F-2 C4030395

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	Sierra	3-22-94 1500	Joan Weber	GTEL	3-22-94 1500
Joan Weber	GTEL	3-22-94 1600			
			Received For Laboratory By (Signature): Kevin Molander		3/22/94 4:00

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