See
11/18/94

Chevron

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

Site Assessment & Remediation Group
Phone (510) 842-9500

October 12, 1994

Ms. Eva Chu
Alameda County Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

Re: Chevron Station # 9-5542, 7007 San Ramon Valley Blvd., Dublin, CA
Attached groundwater monitoring report (Sierra, 9/2/94)

Dear Ms. Chu:

Please find attached a report dated September 2, 1994, which was prepared by Chevron's consultant, Sierra Environmental Services (Sierra), to describe groundwater monitoring performed at the subject site on June 29, July 6, and August 26, 1994.

During Sierra's July site visit all nine site related wells were gauged. The measured direction of groundwater flow was generally toward the east. Except for wells MW-1 and MW-9, all site-related wells were sampled during June. Monitoring wells MW-1 and MW-9 were sampled during August. The measured concentrations were consistent with those detected during previous site monitoring events. These results were previously submitted in Sierra's site assessment report dated, September 20, 1994.

The gauging and sampling of all site-related wells was not performed on the same date due to scheduling errors by Sierra. Future monitoring data will be collected on the same day.

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

MW-9 "hot" wait to see next quarter
To Cercla have dropped.

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)

SIERRA
Environmental Services

September 2, 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. Nine wells, MW-1 through MW-9, were sampled (Figure 1).

On June 29, July 1, July 6 and August 26 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 June 29, July 1, July 6 and August 26 1994, in accordance with SES Standard Operating Procedure - Ground Water Sampling (attached). The field waer sampling forms for this event are included. All analyses were performed by GTEL of Concord, California. Analytic results for ground water are presented in Table 1. 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/lmo
21404QM.SE4

cc: Sheldon Nelson, CRTC

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

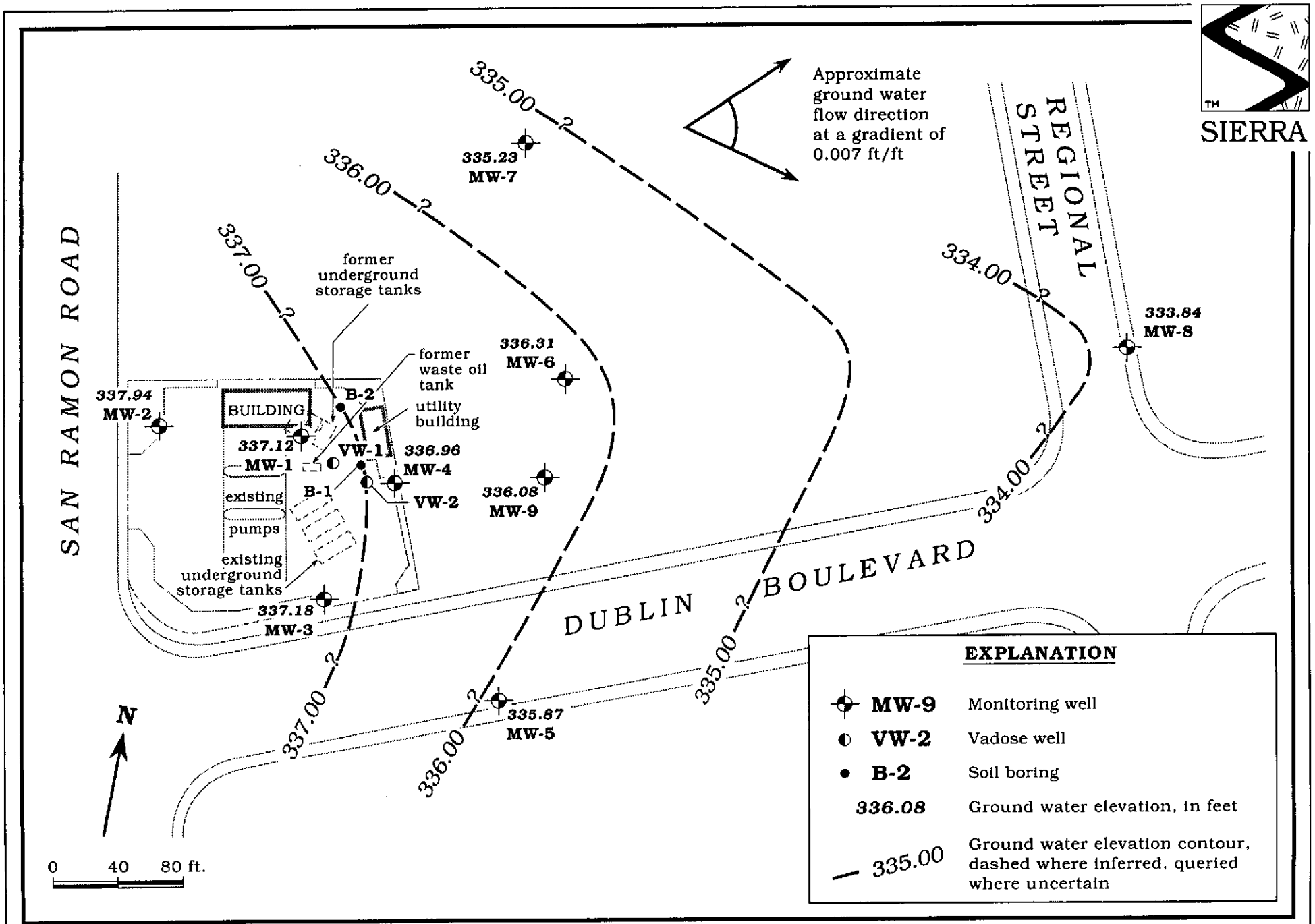

Figure 1. Monitoring Well Location and Ground Water Elevation Contour Map - July 6, 1994 - Chevron Service Station #9-5542, 7007 San Ramon Road, Dublin, California

1-214-04 9/2/94

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Table 1. Water Level Data and Ground Water Analytic Results - Chevron Service Station #9-5542, 7007 San Ramon 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 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	---
363.98[1]	5/31/91	25.67	338.31	0	8015/8020/8010	31,000	---	7,400	2,500	630	2,100	ND[8]	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[8]	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[8]	3.3	---	---
	3/19/92	24.63	339.35	0	8015/8020/8010	30,000	---	8,500	3,600	590	2,400	ND[8]	2.7	---	---
364.32[2]	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]	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	3/21/94	---	---	---	8015/8020	5,900	---	1,600	560	140	330	---	---	---	---
	3/22/93[4]	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	6/14/93[4]	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7/25/93[4]	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	9/23/93[4]	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	3/21/94	26.16	338.16	0	---	---	---	---	---	---	---	---	---	---	---
	7/6/94	**27.20**	**337.12**	**0**	---	---	---	---	---	---	---	---	---	---	---
	8/26/94	**---**	**---**	**---**	**8015/8020**	**20,000**	**---**	**5,300**	**4,900**	**610**	**2,900**	**---**	**---**	**---**	**---**
MW-2/	4/3-4/90	---	---	---	8015/602/504	<50	---	<0.3	<0.3	<0.3	<0.6	---	---	<0.02	---
364.19[1]	5/31/91	25.51	338.68	0	8015/8020/8010	100	---	3.1	4.2	0.7	2.0	ND[8]	<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	---	---	---	---
	6/14/93	25.15	339.49	0	---	---	---	---	---	---	---	---	---	---	---
	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	---	---	---	---

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Table 1. Water Level Data and Ground Water Analytic Results - Chevron Service Station #9-5542, 7007 San Ramon 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	OL
						<----------ppb---------->									
MW-2	12/22/93	26.34	338.30	0	8015/8020	1,600	---	25	<0.5	3.8	4.8	---	---	---	---
(cont)	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**	---	---	---	---	---	---	---	---	---	---	---
MW-3/	4/3-4/90	---	---	---	8015/602/504	2,200	---	36	5	6	17	---	---	<0.02	---
361.92[1]	5/31/91	23.20	338.72	0	8015/8020/8010	2,200	---	130	11	31	78	ND[8]	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**	---	---	---	---	---	---	---	---	---	---	---
MW-4/	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	---	---	---	---	---
362.70[1]	5/31/91	24.67	338.03	0	8015/8020/8010	34,000	---	2,900	2,900	680	3,300	ND[8]	<0.5	---	---
	5/31/91	---	---	---	503E	<5,000	---	---	---	---	---	---	---	---	---
	6/21/91	25.31	337.39	0	---	---	---	---	---	---	---	---	---	---	---
	7/17/91	25.73	336.97	0	---	---	---	---	---	---	---	---	---	---	---
	9/20/91	---	---	---	8015/8020/8010	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	8015/8020/8010	41,000	---	5,500	4,900	1,000	4,400	ND[8]	17	---	---
	3/19/92	23.66	339.04	0	8015/8020/8010	21,000	---	3,800	2,900	500	3,200	ND[9]	15	---	---
363.07[2]	6/19/92	25.33	337.74	0	8015/5520/8020	27,000	<5,000	1,800	1,600	570	1,900	---	---	---	---
	9/22/92	26.90	336.17	0	8015/5520/8020	20,000	<5,000	4,100	2,700	670	3,200	---	---	---	---

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Table 1. Water Level Data and Ground Water Analytic Results - Chevron Service Station #9-5542, 7007 San Ramon 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	OL
						<----------ppb---------->									
MW-4	12/18/92	25.62	337.45	0	8015/5520/8020	15,000	<5,000	2,200	2,000	370	1,600	---	---	---	---
(cont)	3/22/93	20.80	342.27	0	8015/5520/8020	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	8015/5520/8020	94,000	<5,000	18,000	30,000	2,400	14,000	---	---	---	---
	9/23/93	25.00	338.07	0	8015/5520/8020	23,000	<5,000	4,700	2,000	900	4,600	---	---	---	---
	12/22/93	25.72	337.35	0	8015/5520/8020	18,000	<5,000	2,800	1,300	420	1,700	---	---	---	---
	3/21/94	25.09	337.98	0	8015/413.1/8020	21,000	<5,000	2,800	1,700	540	1,900	---	---	---	---
	6/29/94	**---**	**---**	**---**	**8015/413.1/8020**	**25,000**	**<5,000**	**4,000**	**2,600**	**960**	**3,300**	**---**	**---**	**---**	**---**
	7/6/94	**26.11**	**336.96**	**0**	---	---	---	---	---	---	---	---	---	---	---
MW-5/															
359.95[1]	6/21/91	23.17	336.78	0	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	6/21/91	---	---	---	8010/LUFT	---	---	---	---	---	---	ND[8]	<0.5	---	<4,000
	7/17/91	23.68	336.27	0	---	---	---	---	---	---	---	---	---	---	---
	9/20/91	---	---	---	8015/8020	170[10]	---	0.8	0.9	<0.5	1.5	---	---	---	---
	10/4/91	25.20	334.75	0	---	---	---	---	---	---	---	---	---	---	---
	12/19/91	25.20	334.75	0	8015/8020	<50	---	0.7	0.7	<0.5	1.4	---	---	---	---
	3/19/92	21.21	338.74	0	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
360.28[2]	6/19/92	23.42	336.86	0	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	9/22/92	24.97	335.31	0	8015/8020	150	---	13	34	5.0	26	---	---	---	---
	12/18/92	23.52	336.76	0	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	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**	---	---	---	---	---	---	---	---	---	---	---
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[8]	<0.5	---	<4,000
	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	---	---	---	---	---	---	---	---	---	---	---

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Table 1. Water Level Data and Ground Water Analytic Results - Chevron Service Station #9-5542, 7007 San Ramon 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	OL
						<----------ppb---------->									
MW-6	12/19/91	25.34	334.88	0	8015/8020	380	---	2.7	4.0	15	10	---	---	---	---
(cont)	3/19/92	22.05	338.17	0	8015/8020	3,400	---	57	4.5	330	360	---	---	---	---
360.58[2]	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**	---	---	---	---	---	---	---	---	---	---	---
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	---	<4,000
	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[3]	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	3/22/93[5]	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	6/14/93[5]	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7/25/93[5]	---	---	---	---	---	---	---	---	---	---	---	---	---	---
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**	---	---	---	---	---	---	---	---	---	---	---
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	---	---	---	---

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Table 1. Water Level Data and Ground Water Analytic Results - Chevron Service Station #9-5542, 7007 San Ramon 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	OL
						<--------			ppb						-------->
MW-8	9/22/92	29.80	325.09	0	8015/8020	180	---	17	42	6.0	31	---	---	---	---
(cont)	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**	---	---	---	---	---	---	---	---	---	---	---
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**	---	---	---	---
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**	---	---	---	---
Bailer Blank															
MW-BB	5/31/91	---	---	---	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---

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Table 1. Water Level Data and Ground Water Analytic Results - Chevron Service Station #9-5542, 7007 San Ramon 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	OL
						<----------				ppb					---------->
BB (cont)	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	---	---	---	---

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

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

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

NOTES:

Analytic data was 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.

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.

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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 Chevron designated disposable 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 accompanies each sampling set, or 5% trip blanks are included for sets of greater than 20 samples. The trip blank is analyzed for some or all of the same compounds as the ground water samples.

SIERRA

WATER SAMPLING DATA

Job Name Dublin | Job Number 1-214-04 | Sampler J.C./L.C.

Well Number MW-1 | Date 7/6/04 | Well Diameter 4"

Sample Point Location/Description ON SITE NEAR SERVICE Building | Well Depth (spec.) —

Depth to Water (static) 27.2 | Well Depth (sounded) 50.07 ON SIDE BY REST-ROOM

Initial height of water in casing 22.87 | Volume 14.9 gallons

Volume to be purged 45 gallons

Purged With Sub Pump | Sampled With Disposable Bailer

Pumped or Bailed Dry? ___ Yes ✓ No | Time ____ After ____ gallons

Water level at sampling ____ | Percent Recovery ____

Formulas/Conversions
r = well radius in ft
h = ht of water col. in ft
vol. in cyl. = $\pi r^2 h$
7.48 gal/ft³
V_2" casing = 0.163 gal/ft
V_3" casing = 0.367 gal/ft
V_4" casing = 0.653 gal/ft
$V_{4.5}$" casing = 0.826 gal/ft
V_6" casing = 1.47 gal/ft
V_8" casing = 2.61 gal/ft

CHEMICAL DATA

Purge Time		Purge Volume (gal.)	Cumulative (gal.)	pH	Temp (°C)	Specific Conductance	
Start	Stop					Measurement	x umhos/cm
1240pm	12:58	15	15	7.3	75	870	
	1:16	15	30	7.0	73	840	
	1:34	15	45	6.9	74	820	

SAMPLES COLLECTED Time 1:45 | Total volume purged (gal.) 45

Water color Clear | Odor Slight Hydrocarbon

Description of sediments or material in sample: Some Light Black Seed.

Additional Comments: —

Sample ID	# of Cont.	Container Type	Filtered (size, u)	Preservative (type)	Refrig. (Y/N)	Lab (Init)	Analysis Requested
MW-1	3	1	—	HCL	Y	OTEL	8/BTEX

Container Type Codes: 1 = 40 ml clear VOA/Teflon septa; 2 = Brown glass/teflon lined cap (specify size); 3 = Clear glass/teflon lined cap (specify size); 4 = Polyethylene/polyethylene cap (specify size); 5 = Other ____; 6 = Other ____

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WATER SAMPLING DATA

Job Name Dublin | Job Number 1-214-04 | Sampler J.C./L.C.

Well Number MW-2 | Date 6/30/94 | Well Diameter 2"

Sample Point Location/Description ON SITE ON PLANTER NEAR SAN RAMON ROAD EXIT | Well Depth (spec.) _____

Depth to Water (static) 26.53 | Well Depth (sounded) 39

Initial height of water in casing 12.47 | Volume 2.03 gallons

Volume to be purged 6 gallons

Purged With Sub pump | Sampled With Disposable Bailer

Pumped or Bailed Dry? ___ Yes NO No | Time ____ After ____ gallons

Water level at sampling _____ | Percent Recovery _____

Formulas/Conversions
r = well radius in ft
h = ht of water col. in ft
vol. in cyl. = $\pi r^2 h$
7.48 gal/ft³
V_2" casing = 0.163 gal/ft
V_3" casing = 0.367 gal/ft
V_4" casing = 0.653 gal/ft
$V_{4.5}$" casing = 0.826 gal/ft
V_6" casing = 1.47 gal/ft
V_8" casing = 2.61 gal/ft

CHEMICAL DATA

Purge Time		Purge Volume (gal.)	Cumulative (gal.)	pH	Temp (°C)	Specific Conductance	
Start	Stop					Measurement	x umhos/cm
12:28	12:30	2	2	7.3	76	960	
	12:31	2	4	7.4	75	880	
	12:32	2	6	7.3	77	920	

SAMPLES COLLECTED Time 12:42 | Total volume purged (gal.) 6

Water color Clear | Odor None

Description of sediments or material in sample: None

Additional Comments: _____

Sample ID	# of Cont.	Container Type	Filtered (size, u)	Preservative (type)	Refrig. (Y/N)	Lab (Inst)	Analysis Requested
MW-2	3	1	—	HCl	Y	GTEL	8/BTEX

Container Type Codes: 1 = 40 ml clear VOA/Teflon septa; 2 = Brown glass/teflon lined cap (specify size); 4 = Polyethylene (
3 = Clear glass/teflon lined cap (specify size); 4 = Polyethylene (
5 = Other ___

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WATER SAMPLING DATA

Job Name Dublin Job Number 1-214-04 Sampler J.C./L.C

Well Number MW-3 Date 6/30/94 Well Diameter 2"

Sample Point Location/Description near Dublin entrance Well Depth (spec.) ——

Depth to Water (static) 13.45 Well Depth (sounded) 37

Initial height of water in casing 24.98 Volume 1.95 gallons

Volume to be purged 5.87 gallons

Purged With Sub pump Sampled With Disposable bailer

Pumped or Bailed Dry? ___ Yes ✓ No Time ____ After ____ gallons

Water level at sampling ____ Percent Recovery ____

Formulas/Conversions
r = well radius in ft
h = ht of water col. in ft
vol. in cyl. = $\pi r^2 h$
7.48 gal/ft³
V_2" casing = 0.163 gal/ft
V_3" casing = 0.367 gal/ft
V_4" casing = 0.653 gal/ft
$V_{4.5}$" casing = 0.826 gal/ft
V_6" casing = 1.47 gal/ft
V_8" casing = 2.61 gal/ft

CHEMICAL DATA

Purge Time		Purge Volume (gal.)	Cumulative (gal.)	pH	Temp (°C)	Specific Conductance	
Start	Stop					Measurement	x umhos/cm
1:50	1:52	2	2	7.6	81	880	
	1:54	2	4	7.2	82	910	
	1:56	2	6	7.1	80	930	

SAMPLES COLLECTED Time 2:05 Total volume purged (gal.) 6

Water color Clear Odor None

Description of sediments or material in sample: None

Additional Comments: ←

Sample ID	# of Cont.	Container Type	Filtered (size, u)	Preservative (type)	Refrig. (Y/N)	Lab (Init)	Analysis Requested
MW-3	3	1	—	HCL	Y	BTEL	9/BTEX

Container Type Codes: 1 = 40 ml clear VOA/Teflon septa; 2 = Brown glass/teflon lined cap (specify size); 3 = Clear glass/teflon lined cap (specify size); 4 = Polyethylene/polyethylene cap (specify size); 5 = Other ____; 6 = Other ____

SIERRA

WATER SAMPLING DATA

Job Name Dublin | Job Number 1-214-04 | Sampler J.C. / L.C.

Well Number MW-4 | Date 6/30/94 | Well Diameter 2"

Sample Point Location/Description ON SITE NEAR MW & WATER ON WEST Boundary | Well Depth (spec.) _____

Depth to Water (static) 26.00 | Well Depth (sounded) 36

Initial height of water in casing 10 | Volume 1.63 gallons

Volume to be purged 4.89 gallons

Purged With Sub pump | Sampled With DISPOSABLE Bailer

Pumped or Bailed Dry? ___ Yes ✓ No | Time ____ After ____ gallons

Water level at sampling _____ | Percent Recovery _____

Formulas/Conversions
r = well radius in ft
h = ht of water col. in ft
vol. in cyl. = $\pi r^2 h$
7.48 gal/ft³
V_2" casing = 0.163 gal/ft
V_3" casing = 0.367 gal/ft
V_4" casing = 0.653 gal/ft
$V_{4.5}$" casing = 0.826 gal/ft
V_6" casing = 1.47 gal/ft
V_8" casing = 2.61 gal/ft

CHEMICAL DATA

Purge Time		Purge Volume (gal.)	Cumulative (gal.)	pH	Temp (°C)	Specific Conductance	
Start	Stop					Measurement	x umhos/cm
2:39	2:41	2	2	7.5	75	730	
	2:43	2	4	7.6	74	740	
	2:45	1	5	7.2	73	800	

SAMPLES COLLECTED Time 2:50

Water color Cloudy | Total volume purged (gal.) 5.00

Description of sediments or material in sample: NONE | Odor High Hydrocarbon

Additional Comments: _____

Sample ID	# of Cont.	Container Type	Filtered (size, u)	Preservative (type)	Refrig. (Y/N)	Lab (Intl)	Analysis Requested
MW-4	3	1	—	HCl	Y	QTEL	8/BTEX
↓	↓	↓	↓	↓	↓	↓	8015

Container Type Codes: 1 = 40 ml clear VOA/Teflon septa; 2 = Brown glass/teflon lined cap (specify size); 4 = Polyethylene (specify size);
3 = Clear glass/teflon lined cap (specify size);
5 = Other _____

SIERRA

WATER SAMPLING DATA

Job Name Dublin
Job Number 1-214-04
Sampler J.C. / L.C.
Well Number MW-5
Date 6/30/94
Well Diameter 2"
Sample Point Location/Description off site on Dublin's property
Depth to Water (static) 24.27
Well Depth (sounded) 36
Well Depth (spec.) IN formation already
Initial height of water in casing 11.73
Volume 10 gallons
Volume to be purged 6 gallons
Purged With Sub pump
Sampled With Disposable Bailer
Pumped or Bailed Dry? ___ Yes X No
Time ____ After ____ gallons
Water level at sampling ____
Percent Recovery ____

Formulas/Conversions
r = well radius in ft
h = ht of water col. in ft
vol. in cyl. = $\pi r^2 h$
7.48 gal/ft³
V_2" casing = 0.163 gal/ft
V_3" casing = 0.367 gal/ft
V_4" casing = 0.653 gal/ft
$V_{4.5}$" casing = 0.826 gal/ft
V_6" casing = 1.47 gal/ft
V_8" casing = 2.61 gal/ft

CHEMICAL DATA

Purge Time		Purge Volume (gal.)	Cumulative (gal.)	pH	Temp (°C)	Specific Conductance	
Start	Stop					Measurement	x umhos/cm
1120	1122	2	2	7.5	72	940	
	1124	2	4	7.4	72	900	
	1126	2	6	7.3	71	900	

SAMPLES COLLECTED Time 1133
Water color Cloudy
Total volume purged (gal.) 6
Odor NONE
Description of sediments or material in sample: some Sed.
Additional Comments: —

Sample ID	# of Cont.	Container Type	Filtered (size, u)	Preservative (type)	Refrig. (Y/N)	Lab (Intl)	Analysis Requested
MW5	3	1	—	HCl	Y	GTEL	8015 BTEX

Container Type Codes: 1 = 40 ml clear VOA/Teflon septa; 2 = Brown glass/teflon lined cap (specify size); 3 = Clear glass/teflon lined cap (specify size); 4 = Polyethylene
5 = Other ____

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WATER SAMPLING DATA

Job Name Dublin | Job Number 1-214-04 | Sampler J.C. / L.C.

Well Number MW-6 | Date 6/30/94 | Well Diameter 2"

Sample Point Location/Description BEF site North west of Source Station in lot

Depth to Water (static) 24.08 | Well Depth (sounded) 32 | Well Depth (spec.) _____

Initial height of water in casing 7.92 | Volume 1.29 gallons

Volume to be purged 3.87 gallons

Purged With Sub pump | Sampled With Disposable Bailer

Pumped or Bailed Dry? ___ Yes X No | Time ____ After _____ gallons

Water level at sampling _____ | Percent Recovery _____

Formulas/Conversions
r = well radius in ft
h = ht of water col. in ft
vol. in cyl. = $\pi r^2 h$
7.48 gal/ft³
V_2" casing = 0.163 gal/ft
V_3" casing = 0.367 gal/ft
V_4" casing = 0.653 gal/ft
$V_{4.5}$" casing = 0.826 gal/ft
V_6" casing = 1.47 gal/ft
V_8" casing = 2.61 gal/ft

CHEMICAL DATA

Purge Time		Purge Volume (gal.)	Cumulative (gal.)	pH	Temp (°C)	Specific Conductance	
Start	Stop					Measurement	x umhos/cm
	13.16	1	1	7.5	79	800	
	13.18	2	3	7.6	72	770	
	13.20	1	4	7.4	72	780	

SAMPLES COLLECTED Time 13:20 | Total volume purged (gal.) 4.0

Water color Clear | Odor None

Description of sediments or material in sample: None

Additional Comments: _____

Sample ID	# of Cont.	Container Type	Filtered (size, u)	Preservative (type)	Refrig. (Y/N)	Lab (Inst)	Analysis Requested
MW-6	3	1	—	HCl	Y	GTEL	8/BTEX

Container Type Codes: 1 = 40 ml clear VOA/Teflon septa; 2 = Brown glass/teflon lined cap (specify size); 3 = Clear glass/teflon lined cap (specify size); 4 = Polyethylene/polyethyl...
5 = Other _____

SIERRA

WATER SAMPLING DATA

Job Name Dublin
Job Number 1-214-04
Sampler J.C. / L.C.
Well Number MW-87
Date 6/30/94
Well Diameter 2"
Sample Point Location/Description OFF SITE North EAST of SERVICE STATION
Depth to Water (static) 26.36
Well Depth (sounded) 55
Well Depth (spec.)
Initial height of water in casing 8.65
Volume 1.4 gallons
Volume to be purged 4 gallons
Purged With Sub pump
Sampled With DISPOSABLE BAILER
Pumped or Bailed Dry? ___ Yes X No
Time ____ After ____ gallons
Water level at sampling
Percent Recovery

Formulas/Conversions
r = well radius in ft
h = ht of water col. in ft
vol. in cyl. = $\pi r^2 h$
7.48 gal/ft³
V_2" casing = 0.163 gal/ft
V_3" casing = 0.367 gal/ft
V_4" casing = 0.653 gal/ft
$V_{4.5}$" casing = 0.826 gal/ft
V_6" casing = 1.47 gal/ft
V_8" casing = 2.61 gal/ft

CHEMICAL DATA

Purge Time		Purge Volume (gal.)	Cumulative (gal.)	pH	Temp (°C)	Specific Conductance	
Start	Stop					Measurement	x umhos/cm
1153	1154	1	1	7.2	72	990	
	11:56	2	3	7.3	70	940	
	11:57	2	5	7.2	69	950	

SAMPLES COLLECTED Time 1203
Water color Cloudy
Total volume purged (gal.) 4
Odor NONE
Description of sediments or material in sample: Some Sed.
Additional Comments:

Sample ID	# of Cont.	Container Type	Filtered (size, u)	Preservative (type)	Refrig. (Y/N)	Lab (Inst)	Analysis Requested
MW8	3	1	—	HCL	Y	OTEL	8/BTEX

Container Type Codes: 1 = 40 ml clear VOA/Teflon septa; 2 = Brown glass/teflon lined cap (specify size); 4 = Polyethylene/
3 = Clear glass/teflon lined cap (specify size)
5 = Other ____

SIERRA

WATER SAMPLING DATA

Job Name Dublin | Job Number 1-214-04 | Sampler J.C./L.C.

Well Number MW-8 | Date 6/30/94 | Well Diameter 2"

Sample Point Location/Description OFF SITE ON CORNER OF Regional & Dublin | Well Depth (spec.) _____

Depth to Water (static) 20.97 | Well Depth (sounded) 34

Initial height of water in casing 13.03 | Volume 2.12 gallons

Volume to be purged 6.5 gallons

Purged With Sub pump | Sampled With Disposable Bailer

Pumped or Bailed Dry? ___ Yes X No | Time ____ After ____ gallons

Water level at sampling _____ | Percent Recovery _____

Formulas/Conversions
r = well radius in ft
h = ht of water col. in ft
vol. in cyl. = $\pi r^2 h$
7.48 gal/ft³
V_2" casing = 0.163 gal/ft
V_3" casing = 0.367 gal/ft
V_4" casing = 0.653 gal/ft
$V_{4.5}$" casing = 0.826 gal/ft
V_6" casing = 1.47 gal/ft
V_8" casing = 2.61 gal/ft

CHEMICAL DATA

Purge Time		Purge Volume (gal.)	Cumulative (gal.)	pH	Temp (°C)	Specific Conductance	
Start	Stop					Measurement	x umhos/cm
1049	10:51	2	2	7.6	69	1180	
	10:53	2	4	7.3	65	1070	
	10:55	2	6	7.2	65	1040	

SAMPLES COLLECTED Time 1100 | Total volume purged (gal.) 6.5

Water color Cloudy | Odor None

Description of sediments or material in sample: None

Additional Comments: _____

Sample ID	# of Cont.	Container Type	Filtered (size, u)	Preservative (type)	Refrig. (Y/N)	Lab (Inst)	Analysis Requested
MW8	3	1	—	HCl	Y	GTEL	8015/BTEX

Container Type Codes: 1 = 40 ml clear VOA/Teflon septa; 2 = Brown glass/teflon lined cap (specify size); 3 = Clear glass/teflon lined cap (specify size); 4 = Polyethylene/polyethylene; 5 = Other

SIERRA

WATER SAMPLING DATA

Job Name Dublin | Job Number 1-214-04 | Sampler RH/LC

Well Number MW-9 | Date 7/1/94 | Well Diameter 2"

Sample Point Location/Description _____ | Well Depth (spec.) _____

Depth to Water (static) 25.01 | Well Depth (sounded) 33.5

Initial height of water in casing 8.49 | Volume 1.36 gallons

Volume to be purged 5 gallons

Purged With Sub Pump | Sampled With Disposable Bailer

Pumped or Bailed Dry? ___ Yes X No | Time ____ After ____ gallons

Water level at sampling _____ | Percent Recovery _____

Formulas/Conversions
r = well radius in ft
h = ht of water col. in ft
vol. in cyl. = $\pi r^2 h$
7.48 gal/ft³
V_2" casing = 0.163 gal/ft
V_3" casing = 0.367 gal/ft
V_4" casing = 0.653 gal/ft
$V_{4.5}$" casing = 0.826 gal/ft
V_6" casing = 1.47 gal/ft
V_8" casing = 2.61 gal/ft

CHEMICAL DATA

Purge Time		Purge Volume (gal.)	Cumulative (gal.)	pH	Temp (°C)	Specific Conductance	
Start	Stop					Measurement	x umhos/cm
3:40	3:42	2	2	9.2	77.3	1070	
	3:44	2	4	8.7	75.4	1090	
	3:46	1	5	8.4	73.5	1160	

SAMPLES COLLECTED Time 3:50 | Total volume purged (gal.) 5

Water color Cloudy | Odor Slight odor

Description of sediments or material in sample: Cloudy

Additional Comments: Moderate, Brown-gray sediment

Sample ID	# of Cont.	Container Type	Filtered (size, u)	Preservative (type)	Refrig. (Y/N)	Lab (Init)	Analysis Requested
MW9	3	1	—	HCl	YES		G/BTEX

Container Type Codes: 1 = 40 ml clear VOA/Teflon septa; 2 = Brown glass/teflon lined cap (specify size); 3 = Clear glass/teflon lined cap (specify size); 4 = Polyethylene/polyethylene cap (specify size); 5 = Other _____; G = Other _____

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

Western 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: C4-07-0039

July 13, 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 07/01/94.

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.

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: C4-07-0039

ANALYTICAL RESULTS

Volatile Organics in Water

EPA Methods 8020 and Modified 8015[a]

GTEL Sample Number		01	02	03	04
Client Identification		TB-LB	MW-8	MW-5	MW-7
Date Sampled		06/29/94	06/29/94	06/29/94	06/29/94
Date Analyzed		07/06/94	07/06/94	07/06/94	07/08/94
Analyte	Detection Limit, ug/L	Concentration, ug/L			
Benzene	0.5	<0.5	<0.5	<0.5	<0.5
Toluene	0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	0.5	<0.5	<0.5	<0.5	<0.5
Xylene, total	0.5	<0.5	0.8	1.0	<0.5
Gasoline	50	<50	<50	<50	<50
Detection Limit Multiplier		1	1	1	1
BFB surrogate, % recovery		104	107	100	83.1

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: C4-07-0039

ANALYTICAL RESULTS

Volatile Organics in Water

EPA Methods 8020 and Modified 8015[a]

GTEL Sample Number		05	06	07	08
Client Identification		MW-2	MW-6	MW-3	MW-4
Date Sampled		06/29/94	06/29/94	06/29/94	06/29/94
Date Analyzed		07/08/94	07/06/94	07/06/94	07/07/94
Analyte	Detection Limit, ug/L	Concentration, ug/L			
Benzene	0.5	0.8	0.6	90	4000
Toluene	0.5	0.9	1.2	6.1	2600
Ethylbenzene	0.5	0.8	2.4	20	960
Xylene, total	0.5	1.9	4.6	81	3300
Gasoline	50	52	300	1700	25000
Detection Limit Multiplier		1	1	1	10
BFB surrogate, % recovery		94.4	98.5	101	97.3

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: C4-07-0039

ANALYTICAL RESULTS

Volatile Organics in Water

EPA Methods 8020 and Modified 8015[a]

GTEL Sample Number		Q070894-1			
Client Identification		METHOD BLANK			
Date Sampled		--			
Date Analyzed		07/08/94			
Analyte	Detection Limit, ug/L	Concentration, ug/L			
Benzene	0.5	<0.5			
Toluene	0.5	<0.5			
Ethylbenzene	0.5	<0.5			
Xylene, total	0.5	<0.5			
Gasoline	50	<50			
Detection Limit Multiplier		1			
BFB surrogate, % recovery		97.6			

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: C4-07-0039

ANALYTICAL RESULTS

Total Petroleum Hydrocarbons in Water by Infrared Spectrometry

EPA Method 418.1[1](SM 5520 FC[2])

1. Methods for Chemical Analysis of Water and Wastes, EPA 600/4-79-202, Revised March 1983, U.S. Environmental Protection Agency.
2. Standard Methods for the Examination of Water and Wastewater, 17th ed., 1989, American Public Health Association.

GTEL Sample Number		09	070794 TPH		
Client Identification		MW-4	METHOD BLANK		
Date Sampled		06/29/94	--		
Date Prepared		07/06/94	07/06/94		
Date Analyzed		07/07/94	07/07/94		
Analyte	Detection Limit, ug/L	Concentration, ug/L			
Total Petroleum Hydrocarbons	5000	<5000	<5000		
Detection Limit Multiplier		1	1		

Client Number: SIE01CHV08
Consultant Project Number: 1-214-04
Facility Number: 9-5542
Project ID: 7007 San Ramon Rd., Dublin
Work Order Number: C4-07-0039

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	C4070045-6	20.0	ug/L	121	98.5	20.5	57.3 - 138
Toluene	C4070045-6	20.0	ug/L	120	98.0	20.2	63.0 - 134
Ethylbenzene	C4070045-6	20.0	ug/L	118	95.5	21.1	59.3 - 137
Xylene, total	C4070045-6	60.0	ug/L	113	92.5	20	59.3 - 144
TOG/IR:	LCS[a]	52.9	mg/L	89.6	90.7	1.2	70 - 130

a. Not enough sample was provided by the client to perform a matrix QC. Laboratory control sample indicated the analysis was within control limits.

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

Chain-of-Custody-Record

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

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

Chevron Contact (Name) Brett Hunter
(Phone) 842-8695
Laboratory Name GTEL
Laboratory Release Number 3236620
Samples Collected by (Name) Joe Carter / Linda Chernyak
Collection Date 06/29/94
Signature L. Chernyak, Joe Carter

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)					Note:
TB-LB	01	2	W	G	—	HCl	Y	✓	N											Analyze
mw-8	02	3			11:00			✓	N											
mw-5	03	3			11:33			✓	N											
mw-7	04				12:03			✓	N											
mw-2	05				12:42			✓	N											
mw-6	06				13:20			✓	N											
mw-3	07				2:05			✓	N											
mw-4	08	✓	✓	✓	2:50	✓	✓	✓	N											
mw-4	09	1	✓	✓	2:50	H_2SO_4	✓			✓										✓

C4070039

Remarks: Do Not Bill TB-LB Samples SEALS INTACT, ON ICE AT 4°C

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Joe Carter / L. Chernyak	SES	7-1-94 16:30	Joan Weber	GTEL	7-1-94 16:30
Relinquished By (Signature) Joan Weber	Organization GTEL	Date/Time 7-1-94 16:40	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time 7/1/94 1630

Turn Around Time (Circle Choice)
24 Hrs.
48 Hrs.
5 Days
10 Days
As Contracted
7/1/94

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

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

August 29, 1994

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

RE: GTEL Client ID: SIE01CHV08
Login Number: C4080435
Project ID (number): 1-214-04
Project ID (name): CHEVRON/#9-5542, Dublin, CA

Dear Ed Morales:

Enclosed please find the analytical results for the samples received by GTEL Environmental Laboratories, Inc. on 08/26/94.

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 accredited by the state of Alaska to perform analysis for drinking water and hazardous waste materials.

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.

Rashmi Shah
Laboratory Director

GTEL Client ID: SIE01CHV08
Login Number: C4080435
Project ID (number): 1-214-04
Project ID (name): CHEVRON/#9-5542, Dublin, CA

ANALYTICAL RESULTS

Volatile Organics
Method: EPA 8020
Matrix: Aqueous

GTEL Sample Number	C4080435-01	C4080435-02	--	--	
Client ID	MW-9	MW-1	--	--	
Date Sampled	08/26/94	08/26/94	--	--	
Date Analyzed	08/28/94	08/28/94	--	--	
Dilution Factor	25.0	25.0	--	--	

Analyte	Reporting Limit	Units	Concentration:			
Benzene	0.5	ug/L	1700	5300	--	--
Toluene	0.5	ug/L	240	4900	--	--
Ethylbenzene	0.5	ug/L	410	610	--	--
Xylenes (total)	0.5	ug/L	1400	2900	--	--
TPH as GAS	50.	ug/L	12000	20000	--	--
BFB (Surrogate)	--	%	94.6	92.4	--	--

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020:

"Test Methods for Evaluating Solid Waste, Physical and Chemical Methods, SW-846", Third Edition, Revision 1, US EPA November 1986. Bromofluorobenzene surrogate recovery acceptability limits are 62-129%. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols, May 1988 revision.

GTEL ENVIRONMENTAL LABORATORIES, INC.

GTEL Client ID: SIE01CHV08
Login Number: C4080435
Project ID (number): 1-214-04
Project ID (name): CHEVRON/#9-5542, Dublin, CA

QUALITY CONTROL RESULTS

Volatile Organics
Method: EPA 8020
Matrix: Aqueous

Method Blank Results

QC Batch No: Q082794-5
Date Analyzed: 27-AUG-94

Analyte	Method: EPA 8020 Concentration: ug/L
Benzene	< 0.30
Toluene	< 0.30
Ethylbenzene	< 0.30
Xylenes (Total)	< 0.50
TPH as Gasoline	< 10.

Notes:

GTEL ENVIRONMENTAL LABORATORIES, INC.

GTEL Client ID: SIE01CHV08
Login Number: C4080435
Project ID (number): 1-214-04
Project ID (name): CHEVRON/#9-5542, Dublin, CA

QUALITY CONTROL RESULTS

Volatile Organics
Method: EPA 8020
Matrix: Aqueous

Matrix Spike and Matrix Spike Duplicate Results

Analyte	Original Concentration	Spike Amount	Matrix Spike Concentration	Matrix Spike Recovery, %	Matrix Spike Duplicate Concentration	Matrix Spike Duplicate Recovery, %	RPD, %	Acceptability Limits RPD, %	Acceptability Limits Recovery, %
EPA 8020	GTEL Sample ID:C4080348-03		Spike ID:Q082794-1		Dup. ID:Q082794-2				
Units: ug/L	Analysis Date:26-AUG-94		27-AUG-94		27-AUG-94		Client ID:Batch QC		
Benzene	< 0.50	20.0	17.0	84.9	17.4	86.9	2.3	34	57.3-138%
Toluene	< 0.50	20.0	16.7	83.5	16.9	84.5	1.1	31	63-134%
Ethylbenzene	< 0.50	20.0	16.4	82.0	16.1	80.5	1.8	38	59.3-137%
Xylenes (Total)	< 0.50	60.0	50.6	84.3	51.5	85.8	1.7	31	59.3-144%

Notes:

GTEL ENVIRONMENTAL LABORATORIES, INC.

685-7852 - CALL 4 ☐ Yes ETA

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

Chain-of-Custody-Record

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

Chevron Facility Number 9-542
Facility Address 7002 San Ramon Rd, Dublin
Consultant Project Number 1-314-04
Consultant Name Sierra Environmental
Address PO Box 2546, Mtz, 94553
Project Contact (Name) Ed Morales
(Phone) 370.1280 (Fax Number) 370.7959

Chevron Contact (Name) Brett Hunter
(Phone) 842-8695
Laboratory Name GTEL
Laboratory Release Number 3236620
Samples Collected by (Name) Bill Huston
Collection Date 26 Aug '94
Signature [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)	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
MW-9	01	3	W	G		HCL	Y	✓												NOTE TAT (5) CALLED IN TO BILL ? SUBMIT? ANALYZE
MW-1	02	3	↓	↓		↓	↓	✓												↓

C4080435

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
[signature]	SES	8/26/94 1800			
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Recieved For Laboratory By (Signature)		Date/Time
			Kevin Melander		8-26-94 1800

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