SIERRA
Environmental Services

May 25, 1994

Kenneth Kan
Chevron USA Products Company
P.O. Box 5004
San Ramon, CA 94583

Re: Chevron Service Station #9-8139
16304 Foothill Boulevard
San Leandro, California
SES Project #1-289-04

Dear Mr. Kan:

This report presents the results of the quarterly ground water sampling at Chevron Service Station #9-8139, located at 16304 Foothill Boulevard in San Leandro, California. Twelve wells, MW-1 through MW-3, MW-6 through MW-11, EW-1, EW-2 and EW-3, were sampled (Figure 1).

On April 22, 1994, SES personnel visited the site. Water level measurements were collected in all site wells and all wells 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 April 22, 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 Tables 1 and 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.

REGISTERED PROFESSIONAL ENGINEER
CHRIS J. BRAMER
C 048846
Exp 9/96
CIVIL
STATE OF CALIFORNIA

Sincerely,
Sierra Environmental Services

Argy Mena
Staff Geologist

Chris J. Bramer
Professional Engineer #C48846

AJM/CJB/wmc
28904QM.MY4

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

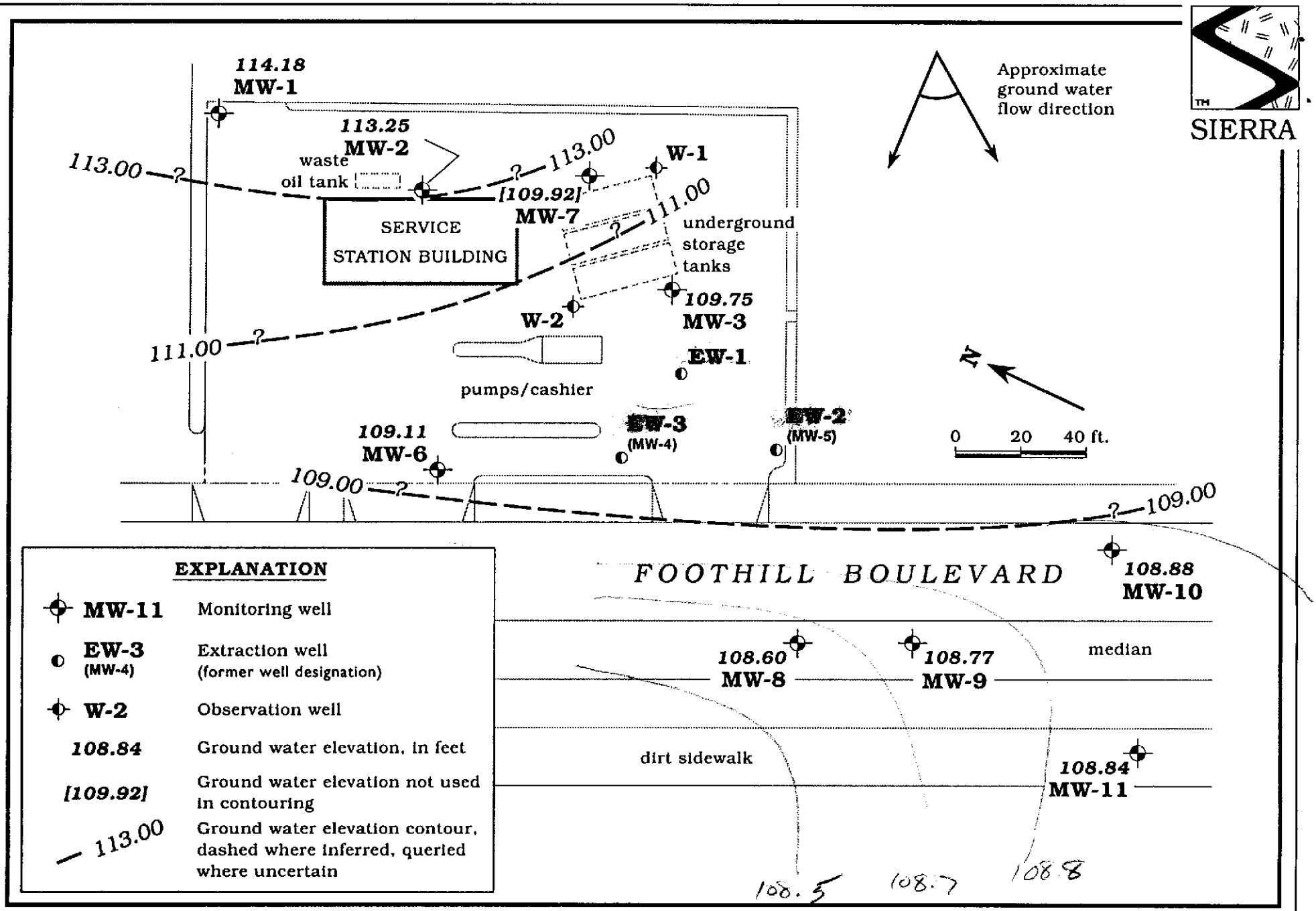

Figure 1. Monitoring Well Locations and Ground Water Elevation Contour Map - April 22, 1994 - Chevron Service Station #9-8139, 16304 Foothill Boulevard, San Leandro, California

5/19/94

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Table 1. Water Level Data and Ground Water Analytic Results - Chevron Service Station #9-8139, 16304 Foothill Boulevard, San Leandro, California

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G)	B	T	E	X	EDB
						<----------ppb---------->					
MW-1/ 127.09	12/5/89	---	---	---	8015/8020/413/504[1,2]	<500	<0.5	<0.5	<0.5	<0.5	<0.5
	3/23/90	12.92	114.17	0	---	---	---	---	---	---	---
	5/24/90	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	9/6/90	14.68	112.41	0	8015/8020/504	<50	<0.5	0.8	<0.5	0.5	<0.5
	9/25/90	15.01	112.08	0	---	---	---	---	---	---	---
	11/29/90	14.82	112.27	0	8015/8020	<50	0.7	0.9	<0.5	1	---
	2/20/91	14.29	112.80	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	4/19/91	12.16	114.93	0	---	---	---	---	---	---	---
	5/22/91	13.69	113.40	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	8/22/91	15.38	111.71	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	11/13/91	15.80	111.29	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	1/30/92	14.71	112.38	0	8015/8020	<50	0.5	<0.5	<0.5	0.5	---
	4/23/92	12.22	114.87	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	7/27/92	14.30	112.79	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	10/26/92	15.90	111.19	0	8015/8020	<50	0.6	<0.5	<0.5	<0.5	---
	1/29/93	10.51	116.58	0	8015/8020	<50	3	3	0.7	3	---
	4/30/93	9.90	117.19	0	8015/8020	<50	<0.5	0.7	<0.5	1	---
	7/14/93	12.28	114.81	0	8015/8020	<50	0.7	1	<0.5	3	---
	10/27/93	15.53	111.56	0	8015/8020	<50	0.9	2	<0.5	2	---
	1/13/94	12.24	114.85	0	8015/8020	<50	<0.5	0.9	<0.5	<0.5	---
	4/22/94	**12.91**	**114.18**	**0**	**8015/8020**	**<50**	**1.1**	**2.6**	**1.0**	**5.5**	---
MW-2/ 125.98	12/5/89	---	---	---	8015/8020/413/504[1,2]	<500	<0.5	<0.5	<0.5	0.9	<0.5
	3/23/90	12.40	113.58	0	---	---	---	---	---	---	---
	5/24/90	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	9/6/90	14.85	111.13	0	8015/8020/504	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	9/25/90	14.80	111.18	0	---	---	---	---	---	---	---
	11/29/90	14.40	111.58	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	2/20/91	14.09	111.89	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	4/19/91	12.62	113.36	0	---	---	---	---	---	---	---
	5/22/91	12.98	113.00	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	8/22/91	14.93	111.05	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	11/13/91	15.42	110.56	0	8015/8020	58	<0.5	0.5	0.7	2.3	---
	1/30/92	14.70	111.28	0	8015/8020	<50	<0.5.	<0.5	<0.5	<0.5	---
	4/23/92	13.83	112.15	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	7/27/92	15.30	110.68	0	8015/8020	<50	<0.5	<0.5	<0.5	1.1	---
	10/26/92	15.62	110.36	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	1/29/93	9.26	116.72	0	8015/8020	<50	3	8	1	5	---

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Table 1. Water Level Data and Ground Water Analytic Results - Chevron Service Station #9-8139, 16304 Foothill Boulevard, San Leandro, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G)	B	T	E	X	EDB
						<--------		ppb			-------->
MW-2	4/30/93	9.66	116.32	0	8015/8020	<1,300	<13	<13	<13	<13	---
(cont)	7/14/93	11.90	114.08	0	8015/8020	<50	0.8	2	0.8	4	---
	10/27/93	13.49	112.49	0	8015/8020	<50	1	2	1	2	---
	1/13/94	11.99	113.99	0	8015/8020	<50	<0.5	0.6	<0.5	<0.5	---
	4/22/94	**12.73**	**113.25**	**0**	**8015/8020**	**<50**	**0.6**	**<0.5**	**<0.5**	**1.7**	**---**
MW-3	12/5/89	---	---	---	8015/8020/504	24,000	2,400	1,800	360	2,600	<0.5
(d)	12/5/89	---	---	---	8015/8020/413/504	24,000	2,500	1,900	390	2,800	<0.5
127.84	3/23/90	17.50	110.34	0	---	---	---	---	---	---	---
	5/24/90	---	---	---	8015/8020	9,000	2,600	1,700	250	1,500	---
(d)	5/24/90	---	---	---	8015/8020	10,000	2,800	1,800	260	1,600	---
126.77	9/6/90	18.72	108.05	0	8015/8020/504	3,500	900	550	110	480	<0.5
	9/25/90	18.40	108.37	0	---	---	---	---	---	---	---
	11/29/90	18.97	107.80	0	8015/8020	9,200	1,100	1,100	210	1,100	---
	2/20/91	19.20	107.57	0	8015/8020	8,800	980	780	200	920	---
	4/19/91	17.81	108.96	0	---	---	---	---	---	---	---
	5/22/91	17.88	108.89	0	8015/8020	28,000	5,800	1,200	460	2,300	---
	8/1/91	19.23	107.54	0	---	---	---	---	---	---	---
	8/22/91	20.17	106.60	0	8015/8020	21,000	3,100	2,000	480	2,000	---
(d)	8/22/91	---	---	---	8015/8020	18,000	2,700	1,800	420	1,700	---
	11/13/91	19.95	106.82	0	8015/8020	18,000	2,400	1,200	450	2,200	---
	1/30/92	19.14	107.63	0	8015/8020	18,000	3,800	920	790	2,800	---
	4/23/92	17.75	109.02	0	8015/8020	46,000	5,000	1,900	1,000	3,500	---
	7/27/92	19.00	107.77	0	8015/8020	26,000	4,900	1,100	1,200	3,600	---
	10/26/92	19.62	107.15	0	8015/8020	8,800	1,100	41	220	570	---
	1/29/93	15.95	110.82	0	8015/8020	32,000	5,900	2,900	1,300	5,000	---
	4/30/93	15.67	111.10	0	8015/8020	14,000[1]	6,100	98	870	2,400	---
	7/14/93	16.83	109.94	0	8015/8020	12,000[1]	3,100	1,100	720	2,900	---
	10/27/93	17.70	109.07	0	8015/8020	19,000	7,800	400	1,500	3,400	---
	1/13/94	16.54	110.23	0	8015/8020	51,000	3,700	140	720	1,800	---
	4/22/94	**17.02**	**109.75**	**0**	**8015/8020**	**22,000[1]**	**5,600**	**89**	**1,200**	**2,400**	**---**
MW-4											
125.22	12/5/89	---	---	---	8015/8020/504	19,000	390	1,300	460	1,800	<0.5
	3/23/90	16.02	109.20	0	---	---	---	---	---	---	---
	5/24/90	---	---	---	8015/8020	4,500	210	440	140	480	---
	9/6/90	17.35	107.87	0	8015/8020/504	6,000	680	520	170	580	<0.5
	9/25/90	17.48	107.74	0	---	---	---	---	---	---	---

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Table 1. Water Level Data and Ground Water Analytic Results - Chevron Service Station #9-8139, 16304 Foothill Boulevard, San Leandro, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G)	B	T	E	X	EDB
						<--------		ppb			-------->
MW-4	11/29/90	17.61	107.61	0	8015/8020	15,000	800	1,000	430	1,700	---
(cont)	2/20/91	17.81	107.41	0	8015/8020	15,000	640	390	420	1,600	---
(d)	2/20/91	---	---	---	8015/8020	15,000	680	410	430	1,680	---
	4/19/91	15.80	109.42	0	---	---	---	---	---	---	---
	5/22/91[6]	16.68	108.54	0	8015/8020	9,800	580	140	310	740	---
(d)	5/22/91	---	---	---	8015/8020	7,200	520	130	270	670	---
MW-5/ 125.85	3/23/90	16.89	108.96	0	---	---	---	---	---	---	---
	5/25/90	---	---	---	8015/8020/504	26,000	920	1,100	480	1,900	2.4
	9/7/90	18.46	107.42[5]	0.04	8015/8020	---	---	---	---	---	---
	11/29/90	18.87	107.54[5]	0.71	8015/8020	---	---	---	---	---	---
	2/20/91	18.91	107.31[5]	0.47	8015/8020	---	---	---	---	---	---
	4/19/91	16.99	109.24[5]	0.48	---	---	---	---	---	---	---
	9/25/90	19.30	107.58[5]	1.3	---	---	---	---	---	---	---
	5/22/91[6]	17.69	108.42[5]	0.33	8015/8020	---	---	---	---	---	---
MW-6/ 124.18	3/23/90	18.51	105.67	0	---	---	---	---	---	---	---
	5/25/90	---	---	---	8015/8020/504	<50	<2	<3	<3	<3	<0.02
	9/7/90	16.18	108.00	0	8015/8020/504	<50	<2	<3	<3	<3	<0.05
	9/25/90	16.42	107.76	0	---	---	---	---	---	---	---
	11/29/90	16.11	108.07	0	8015/8020/504	<50	<0.5	<0.5	<0.5	<0.5	<0.05
	2/20/91	16.09	108.09	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	4/19/91	15.15	109.03	0	---	---	---	---	---	---	---
	5/22/91	15.41	108.77	0	8015/8020	<50	0.5	0.7	<0.5	1.1	---
	8/23/91	17.80	106.38	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	11/14/91	16.52	107.66	0	8015/8020/504	<50	<0.5	<0.5	<0.5	<0.5	<0.02
(d)	11/14/91	---	---	---	8015/8020/504	<50	<0.5	0.6	<0.5	1.1	<0.05
	1/31/92	16.48	107.70	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	--
(d)	1/31/92	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	4/23/92	16.20	107.98	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
(d)	4/23/92	---	---	---	8015/8020	---	---	---	---	---	---
	7/27/92	16.52	107.66	0	8015/8020	<50	1.2	0.6	<0.5	1.9	---
	10/26/92	17.12	107.06	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	1/29/93	13.13	111.05	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	4/30/93	14.86	109.32	0	8015/8020	<50	<0.5	<0.5	<0.5	0.6	---
	7/14/93	14.61	109.57	0	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 #9-8139, 16304 Foothill Boulevard, San Leandro, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G)	B	T	E	X	EDB
						<----------ppb---------->					
MW-6	10/27/93	15.38	108.80	0	8015/8020	<50	0.9	1	0.6	1	---
(cont)	1/13/94	15.34	108.84	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	4/22/94	**15.07**	**109.11**	**0**	**8015/8020**	**<50**	**<0.5**	**<0.5**	**<0.5**	**2.5**	---
MW-7/											
126.86	3/23/90	21.40	105.46	0	---	---	---	---	---	---	---
	5/25/90	---	---	---	8015/8020/504	<50	<2	<3	<3	<3	<0.02
	9/7/90	18.38	108.48	0	---	---	---	---	---	---	---
	9/25/90	19.25	107.61	0	---	---	---	---	---	---	---
	9/27/90	---	---	---	8015/8020/504	<50	<2	<3	<3	<3	<0.05
(d)	9/27/90	---	---	---	8015/8020/504	<50	<2	<3	<3	<3	<0.05
	11/29/90	18.55	108.31	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	2/20/91	18.55	108.31	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	4/19/91	17.33	109.53	0	---	---	---	---	---	---	---
	5/22/91	17.42	109.44	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	8/22/91	19.05	107.81	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	11/13/91	21.84	105.02	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	1/30/92	22.42	104.44	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	4/23/92	22.04	104.82	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	7/27/92	22.24	104.62	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	10/26/92	22.11	104.75	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	1/29/93	17.07	109.79	0	8015/8020	<50	4	13	2	8	---
	4/30/93	14.86	112.00	0	8015/8020	<50	<0.5	<0.5	<0.5	0.6	---
	7/14/93	16.10	110.76	0	8015/8020	<50	<0.5	1	<0.5	2	---
	10/27/93	18.71	108.15	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	1/13/94	17.89	108.97	0	8015/8020	<50	<0.5	0.9	<0.5	1	---
	4/22/94	**16.94**	**109.92**	**0**	**8015/8020**	**<50**	**<0.5**	**<0.5**	**<0.5**	**1.5**	---
MW-8/											
123.61	9/7/90	16.07	107.54	0	8015/8020/504	<50	<0.5	<0.5	<0.5	<0.5	<0.05
	9/25/90	16.20	107.41	0	---	---	---	---	---	---	---
	11/29/90	16.30	107.31	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
(d)	11/29/90	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	2/20/91	16.32	107.29	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	4/19/91	14.71	108.90	0	---	---	---	---	---	---	---
	5/22/91	15.42	108.19	0	8015/8020	<50	0.6	<0.5	<0.5	1	---
	8/22/91	17.15	106.46	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	11/14/91	16.99	106.62	0	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 #9-8139, 16304 Foothill Boulevard, San Leandro, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G)	B	T	E	X	EDB
						<----------ppb---------->					
MW-8 (cont)	1/30/92	16.30	107.31	0	8015/8020	<50	1	0.7	<0.5	1.1	---
	4/23/92	15.05	108.56	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	7/27/92	16.08	107.53	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	10/26/92	16.72	106.89	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	1/29/93	12.82	110.79	0	8015/8020	1,400	470	470	37	160	--
	4/30/93	13.54	110.07	0	8015/8020	1,600	<13	15	18	29	---
	7/14/93	14.65	108.96	0	8015/8020	<50	<0.5	0.7	<0.5	1	---
	10/27/93	15.04	108.57	0	8015/8020	<50	3	4	2	4	---
	1/13/94	15.14	108.47	0	8015/8020	<50	<0.5	4	<0.5	<0.5	---
	4/22/94	**15.01**	**108.60**	**0**	**8015/8020**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**---**
MW-9/ 124.20	8/22/91	17.60	106.60	0	8015/8020/504	9,600	46	170	98	1,200	<0.05
	11/14/91	17.48	106.72	0	8015/8020/504	11,000	130	58	86	1,500	<0.05
	1/30/92	16.71	107.49	0	8015/8020	11,000	210	29	110	1,900	---
	4/23/92	15.23	108.97	0	8015/8020	17,000	180	25	100	1,900	---
	7/27/92	16.72	107.48	0	8015/8020	2,800	59	1.6	18	280	---
	10/26/92	17.22	106.98	0	8015/8020	3,200	38	<0.5	18	200	---
	1/29/93	13.39	110.81	0	8015/8020	1,300	23	8	8	100	---
	4/30/93	14.00	110.20	0	8015/8020	<1,300	<13	<13	<13	58	---
	7/14/93	15.08	109.12	0	8015/8020	1,300	25	4	15	120	---
	10/27/93	15.62	108.58	0	8015/8020	1,100	21	10	10	73	---
	1/13/94	15.59	108.61	0	8015/8020	80	0.7	3	0.6	3	---
	4/22/94	**15.43**	**108.77**	**0**	**8015/8020**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**---**
MW-10/ 125.03	7/27/92	17.52	107.51	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	10/27/92	18.06	106.97	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	1/29/93	14.15	110.88	0	8015/8020	<50	<0.5	<0.5	<0.5	0.7	---
	4/30/93	14.68	110.35	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	7/14/93	15.80	109.23	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	10/27/93	16.33	108.70	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	1/13/94	16.29	108.74	0	8015/8020	<50	<0.5	0.5	<0.5	<0.5	---
	4/22/94	**16.15**	**108.88**	**0**	**8015/8020**	**<50[4]**	**<0.5**	**<0.5**	**<0.5**	**1.1**	**---**
MW-11/ 122.92	7/27/92	15.38	107.54	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	10/26/92	15.97	106.95	0	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 #9-8139, 16304 Foothill Boulevard, San Leandro, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G)	B	T	E	X	EDB
						<----------ppb---------->					
MW-[illegible] (cont)	1/29/93	12.24	110.68	0	8015/8020	<50	8	[illegible]	2	10	---
	4/30/93	12.77	110.15	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	7/14/93	13.84	109.08	0	8015/8020	<50	<0.5	0.7	<0.5	1	---
	10/27/93	14.23	108.69	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	1/13/94	14.24	108.68	0	8015/8020	<50	<0.5	1	<0.5	<0.5	---
	4/22/94	**14.08**	**108.84**	**0**	**8015/8020**	**<50**	**<0.5**	**0.5**	**<0.5**	**1.4**	**---**
[illegible]	5/25/90	---	---	---	8015/8020/504	[illegible]	260	420	64	340	0.03
124.95	8/1/91	17.54	107.41	0	---	---	---	---	---	---	---
	[illegible]	---	---	---	8015/8020	[illegible]	<0.5	<0.5	<0.5	<0.5	---
	1/13/94	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	4/22/94	**---**	**---**	**---**	**8015/8020**	**<50[4]**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**---**
[illegible]											
125.79	8/1/91	18.07	107.72	0	---	---	---	---	---	---	---
	4/22/94	**---**	**---**	**---**	**8015/8020**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**---**
[illegible]											
125.22	8/1/91	17.49	107.73	0	---	---	---	---	---	---	---
	10/27/93	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	1/13/94	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	4/22/94	**---**	**---**	**---**	**8015/8020**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**---**
Rinseate	12/5/89	---	---	---	8015/8020/413/504[2]	<500	<0.5	<0.5	<0.5	<0.5	<0.05
	5/24/90	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	9/7/90	---	---	---	8015/8020/504	<50	<0.5	<0.5	<0.5	<0.5	<0.05
	2/20/91	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	5/22/91	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	8/22/91	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	11/13/91	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	1/30/92	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	4/23/92	---	---	---	8015/8020	---	---	---	---	---	---
Trip Blank	2/20/91	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	5/22/91	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	5/22/91	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	11/13/91	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	1/30/92	---	---	---	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 #9-8139, 16304 Foothill Boulevard, San Leandro, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G)	B	T	E	X	EDB
						<----------ppb---------->					
Trip Blank (cont)	4/23/92	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	7/27/92	---	---	---	8015/8020	<0.5	<0.5	<0.5	<0.5	<0.5	---
	10/26/92	---	---	---	8015/8020	<0.5	<0.5	<0.5	<0.5	<0.5	---
TB-LB	1/29/93	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	4/30/93	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	7/14/93	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	10/27/93	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	1/13/94	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	4/22/94	---	---	---	**8015/8020**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	---
Bailer Blank BB	1/29/93	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	4/30/93	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	7/14/93	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	10/27/93	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	1/13/94	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	4/22/94	---	---	---	**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 #9-8139, 16304 Foothill Boulevard, San Leandro, 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
TPH(D) = Total Petroleum Hydrocarbons as Diesel
O&G = Oil and Grease
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
EDB = Ethylene Dibromide
ppb = Parts per billion
(d) = Duplicate sample
--- = Not applicable/Not measured

ANALYTIC METHODS:

8015 = EPA Method 8015/5030 for TPPH(G)
8015 = Modified EPA Method 8015 for TPH(D)
8020 = EPA Method 8020 for BTEX
413 = Method 413 for O&G
504 = EPA Method 504 for EDB

NOTES:

All top of casing elevations compiled from Quarterly Ground Water Monitoring Report prepared for Chevron by Burlington Environmental Inc., December 3, 1992.

Analytic data prior to January 15, 1993 compiled from Quarterly Ground Water Monitoring Report prepared for Chevron by Burlington Environmental Inc., December 3, 1992.

* Product thickness was measured on and after January 29, 1993 with an MMC flexi-dip interface probe.

[1] TPH(D) analyzed during this event. Not detected at detection limits of 1,000 ppb.
[2] O&G analyzed during this event. Not detected at detection limit of 5,000 ppb.
[3] Detection limit raised due to surfactants in sample.
[4] Uncategorized compound not included in gasoline hydrocarbon concentration.
[5] Ground water elevation level corrected for the presence of free-phase hydrocarbons using assumed density of 0.79. Compiled from the Quarterly Ground Water Monitoring Report prepared for Chevron by Burlington Environmental Inc., December 3, 1992.
[6] Monitoring well was converted to a ground water extraction well on June 10, 1991. MW-4 was redesignated EW-3. MW-5 was redesignated EW-2.

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Table 2. Analytic Results for Halogenated Volatile Organic Compounds - Chevron Service Station #9-8139, 16304 Foothill Boulevard, San Leandro, California

Well ID	Date Sampled	Analytic Lab	Analytic Method	C	BR	BDM	DBM	Other HVOC's
				<----------ppb---------->				
MW-2	4/30/93	GTEL	8010	77	<0.5	<0.5	<0.5	ND[1]

EXPLANATION:

C = Chloroform
BR = Bromoform
BDM = Bromodichloromethane
DBM = Dibromochloromethane
HVOC = Halogenated Volatile Organic Compound
ND = Not detectable
--- = Not analyzed/Not applicable
ppb = Parts per billion

ANALYTIC METHODS:

8010 = EPA Method 8010 for HVOC's.

ANALYTIC LABORATORIES:

GTEL = Groundwater Technology Environmental Laboratories, Inc. of Concord and Torrance, California.

NOTES:

[1] Other HVOC's not detected at detection limits of 0.5 to 1.0 ppb.

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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.

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: 1-289-04
Facility Number: 9-8139
Project ID: 16304 Foothill Blvd., San Leandro
Work Order Number: C4-04-0452

May 4, 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 04/25/94.

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: 1-289-04
Facility Number: 9-8139
Project ID: 16304 Foothill Blvd., San Leandro
Work Order Number: C4-04-0452

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-1	MW-2
Date Sampled		04/22/94	04/22/94	04/22/94	04/22/94
Date Analyzed		04/27/94	04/28/94	04/27/94	04/27/94
Analyte	Detection Limit, ug/L	Concentration, ug/L			
Benzene	0.5	<0.5	<0.5	1.1	0.6
Toluene	0.5	<0.5	<0.5	2.6	<0.5
Ethylbenzene	0.5	<0.5	<0.5	1.0	<0.5
Xylene, total	0.5	<0.5	<0.5	5.5	1.7
TPH as Gasoline	50	<50	<50	<50	<50
Detection Limit Multiplier		88.0	87.3	96.0	104
BFB surrogate, % recovery		1	1	1	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: 1-289-04
Facility Number: 9-8139
Project ID: 16304 Foothill Blvd., San Leandro
Work Order Number: C4-04-0452

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-8	MW-9
Date Sampled		04/22/94	04/22/94	04/22/94	04/22/94
Date Analyzed		04/27/94	04/27/94	04/27/94	04/27/94
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	2.5	1.3	<0.5	<0.5
TPH as Gasoline	50	<50	<50	<50	<50
Detection Limit Multiplier		1	1	1	1
BFB surrogate, % recovery		98.8	105	106	111

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: 1-289-04
Facility Number: 9-8139
Project ID: 16304 Foothill Blvd., San Leandro
Work Order Number: C4-04-0452

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[b]	10	11[b]	12[b]
Client Identification		MW-10	MW-11	MW-3	EW-1
Date Sampled		04/22/94	04/22/94	04/22/94	04/22/94
Date Analyzed		04/27/94	04/27/94	04/27/94	04/27/94
Analyte	Detection Limit, ug/L	Concentration, ug/L			
Benzene	0.5	<0.5	<0.5	9300	<0.5
Toluene	0.5	<0.5	0.5	89	<0.5
Ethylbenzene	0.5	<0.5	<0.5	1200	<0.5
Xylene, total	0.5	1.1	1.4	2400	<0.5
TPH as Gasoline	50	<50	<50	22000	<50
Detection Limit Multiplier		1	1	50	1
BFB surrogate, % recovery		101	96.9	90.8	95.4

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%.

b. Uncategorized compound is not included in gasoline concentration.

Client Number: SIE01CHV08
Consultant Project Number: 1-289-04
Facility Number: 9-8139
Project ID: 16304 Foothill Blvd., San Leandro
Work Order Number: C4-04-0452

ANALYTICAL RESULTS

Aromatic Volatile Organics and

Total Petroleum Hydrocarbons as Gasoline in Water

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

GTEL Sample Number		13	14	G042794-1	
Client Identification		EW-2	EW-3	METHOD BLANK	
Date Sampled		04/22/94	04/22/94	–	
Date Analyzed		04/27/94	04/28/94	04/27/94	
Analyte	Detection Limit, ug/L	Concentration, ug/L			
Benzene	0.5	<0.5	<0.5	<0.5	
Toluene	0.5	<0.5	<0.5	<0.5	
Ethylbenzene	0.5	<0.5	<0.5	<0.5	
Xylene, total	0.5	<0.5	<0.5	<0.5	
TPH as Gasoline	50	<50	<50	<50	
Detection Limit Multiplier		1	1	1	
BFB surrogate, % recovery		95.2	85.7	98.5	

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: 1-289-04
Facility Number: 9-8139
Project ID: 16304 Foothill Blvd., San Leandro
Work Order Number: C4-04-0452

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	C4040438-02	20.0	ug/L	93.0	93.0	0.00	57.3 - 138
Toluene	C4040438-02	20.0	ug/L	104	105	0.957	63.0 - 134
Ethylbenzene	C4040438-02	20.0	ug/L	104	106	1.90	59.3 - 137
Xylene, total	C4040438-02	60.0	ug/L	105	105	0.00	59.3 - 144

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 9-8139
Facility Address 16304 FOOTHILL BLVD, San LEANDRO
Consultant Project Number 1-289-04
Consultant Name SIERRA ENVIRONMENTAL SERVICES
Address PO BOX 2546, MARTINEZ, CA 94553
Project Contact (Name) MR. ED MORALES
(Phone) (510)370-1280 (Fax Number) (510)370-7959

Chevron Contact (Name) MR KENNETH KAN
(Phone) 842-8752
Laboratory Name GTEL
Laboratory Release Number 8617900
Samples Collected by (Name) MR. RICK HILTON
Collection Date 4/22/94
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)						DO NOT BILL CHEVRON FOR TB-LB SAMPLES Remarks
TBLB	01	2	W	G	—	HCl	YES	X													
BB	02	3			1050			X													
MW·1	03				1439			X													
MW·2	04				1423			X												1430	
MW·6	05				1337			X													
MW·7	06				137			X													
MW·8	07				[illegible]			X													
MW·9	08				[illegible]			X													
MW·10	09				[illegible]8			X													
MW·11	10				1201			X													
MW·3	11				1503			X													
EW·1	12				1529			X													
EW·2	13				1510			X													
EW·3	14				1520			X							C4040452						

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
			Greg Madsl	GTEL	4/25/94 16:17
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Greg Madsl	GTEL	4/25/94 1700			
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time
			Kevin Molander		4/25/94 1700

Turn Around Time (Circle Choice)
24 Hrs.
48 Hrs.
5 Days
10 Days
As Contracted
4/22/94