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ENVIRONMENTAL PROTECTION
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Chevron

Chevron Products Company
6001 Bollinger Canyon Road
Building L
San Ramon, CA 94583
P O Box 6004
San Ramon, CA 94583-0904

Marketing – Sales West
Phone 510 842-9500

May 11, 1998

Mr. Thomas Peacock
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Chevron Service Station #9-0504
15900 Hesperian Blvd., San Lorenzo, California

Dear Mr. Peacock:

Enclosed is the Semi-Annual Groundwater Monitoring Report for 1998 (First Quarter), that was prepared by our consultant Gettler-Ryan Inc. for the above noted site. Ground water samples were collected and analyzed for TPH-g, BTEX and MtBE constituents.

The sampling frequency on the groundwater monitoring wells was changed in accordance with Juliet Shin's letter of May 21, 1997 and verbal conversation of June 12, 1997. Monitoring wells C-4, C-5 and C-6 are discontinued from sampling, while wells C-1, C-2, C-3, C-7 and C-8 are sampled annually, in March. Wells C-9, C-10 and C-11 are to be sampled semi-annually, in March and September.

The benzene concentration decreased in monitoring wells C-7 and C-8 from the previous sampling event while increasing slightly in wells C-1, C-2 and C-3. In wells C-9 and C-11 the concentrations were below method detection limits for all constituents. In well C-10 the concentrations were below method detection limits for all of the constituents except for toluene at 0.52 ppb.

In monitoring wells C-1, C-2, C-7 and C-8 the chromatogram pattern indicates gas and unidentified hydrocarbons C6-C12.

Depth to ground water varied from 6.56 feet to 9.72 feet below grade with direction of flow south southeasterly.

It appears that natural attenuation is occurring at this site, and Chevron will continue to monitor the site as noted above to confirm this.

If you have any questions or comments, call me at (510) 842-9136.

Sincerely,
CHEVRON PRODUCTS COMPANY

Philip R. Briggs
Site Assessment and Remediation Project Manger

Enclosure

Cc. Mr. Bill Scudder, Chevron

Mr. Ron Sykora
David E. Bohannon Organization
60 Hillsdale Mall
San Mateo, CA 94403

GETTLER-RYAN INC.

May 11, 1998 Job #5259.80

Mr. Phil Briggs
Chevron Products Company
P.O. Box 6004
San Ramon, CA 94583

Re: Semi-Annual 1998 Groundwater Monitoring & Sampling Report
Chevron Service Station #9-0504
15900 Hesperian Boulevard
San Lorenzo, California

Dear Mr. Briggs:

This report documents the semi-annual groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R). On March 28, 1998, field personnel were on-site to monitor and sample eight wells (C-1 through C-3, and C-7 through C-11) at the above referenced site.

Static groundwater levels were measured and all wells were checked for the presence of separate-phase hydrocarbons. Separate-phase hydrocarbons were not present in any of the wells. Static water level data and groundwater elevations are presented in Table 1. A Potentiometric Map is included as Figure 1.

Groundwater samples were collected from the monitoring wells as specified by G-R Standard Operating Procedure - Groundwater Sampling (attached). The field data sheets for this event are also attached. The samples were analyzed by Sequoia Analytical. Analytical results are presented in Table 1. The chain of custody document and laboratory analytical reports are attached.

Thank you for allowing Gettler-Ryan Inc. to provide environmental services to Chevron. Please call if you have any questions or comments regarding this report.

Sincerely,

Deanna L. Harding
Project Coordinator

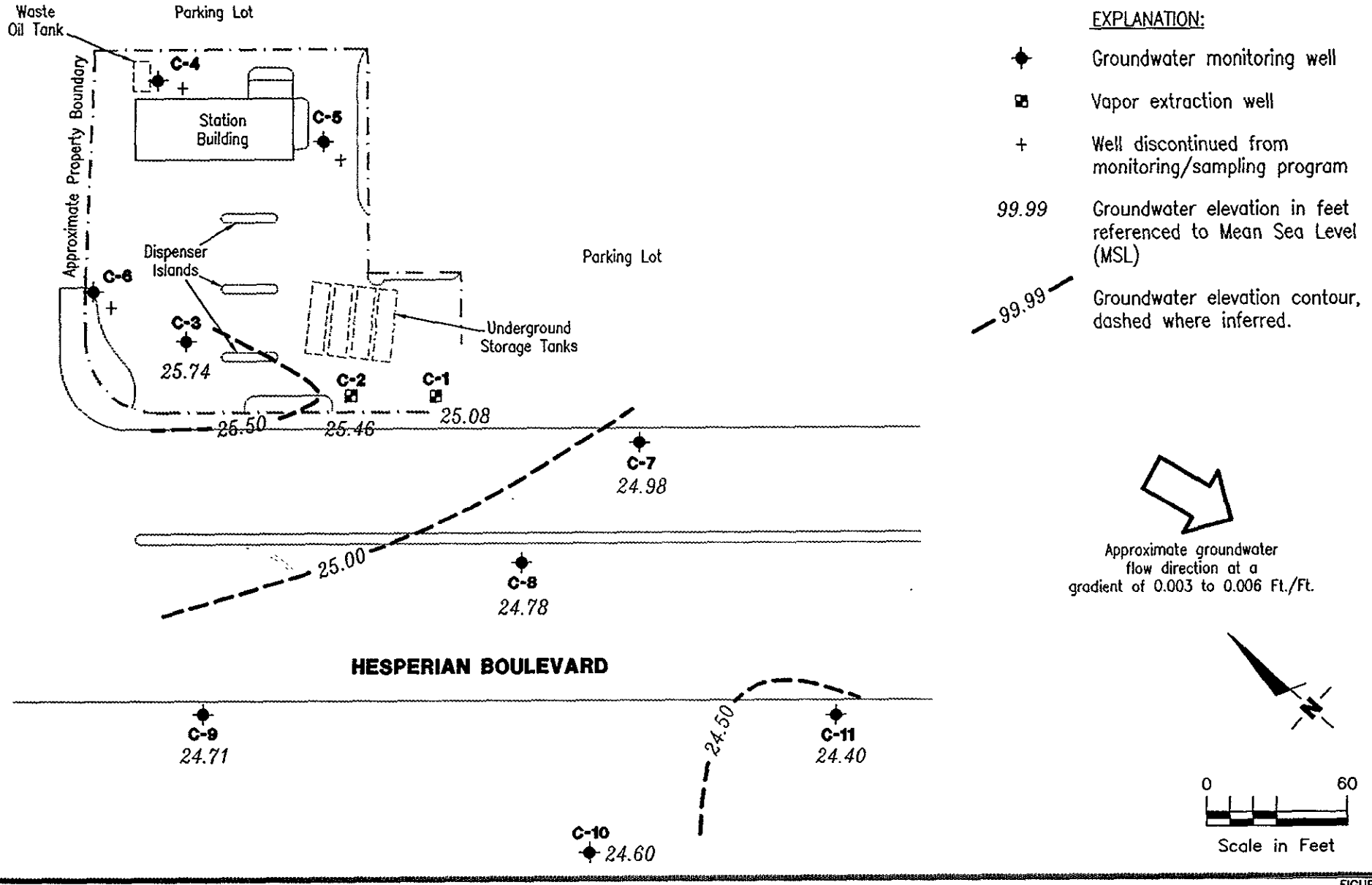
Barbara Sieminski
Project Geologist, R.G. No. 6676

REGISTERED GEOLOGIST
BARBARA SIEMINSKI
No. 6676
STATE OF CALIFORNIA

DLH/SJC/dlh
5259.QML

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

C1-C2 NOTICE POSITIVE 8260 IF PHIL BRIGGS



Gettler - Ryan Inc.

6747 Sierra Ct., Suite J (925) 551-7555
Dublin, CA 94568

POTENTIOMETRIC MAP
Chevron Service Station No. 9-0504
15900 Hesperian Boulevard
San Lorenzo, California

FIGURE 1

JOB NUMBER	REVIEWED BY	DATE	REVISED DATE
5259		March 28, 1998	

Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-0504, 15900 Hesperian Boulevard, San Lorenzo, California

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G)	B	T	E	X	MTBE	C	HVOCs
					<---ppb--->							
C-1	6/6/89	---	---	0	5,100	250	170	200	990	---	---	---
	12/8/89	13.14	---	0.01	---	---	---	---	---	---	---	---
33.93[2]	9/7/90	14.04	19.91[1]	0.03	---	---	---	---	---	---	---	---
	12/20/90	13.87	20.07[1]	0.01	---	---	---	---	---	---	---	---
	3/15/91	11.40	22.53	0	37,000	220	53	53	1,900	---	---	---
	6/28/91	12.25	21.68	0	3,300	110	6.2	6.2	350	---	---	---
	9/26/91	14.02	19.91	0	3,200	220	6.9	6.9	710	---	---	---
	1/27/92	12.63	21.30	0	330	20	0.6	0.6	48	---	---	---
	4/20/92	10.43	23.50	0	2,700	130	3.4	3.4	690	---	---	---
	7/17/92	12.61	21.32	0	490	17	<0.5	<0.5	52	---	---	---
	1/20/93	9.42	24.51	0	---	---	---	---	---	---	---	---
	7/28/93	10.48	23.45	0	---	---	---	---	---	---	---	---
32.80	10/27/93	11.32	21.48	0	240	3.6	<0.5	11	23	---	---	---
	3/31/94	9.45	23.35	0	530	23	1.2	10	120	---	---	---
	6/8/94	9.93	22.87	0	990	15	1.5	42	89	---	---	---
	9/29/94[4]	---	---	---	---	---	---	---	---	---	---	---
	11/9/94[4]	---	---	---	---	---	---	---	---	---	---	---
	12/14/94[4]	---	---	---	---	---	---	---	---	---	---	---
	3/30/95	8.01	24.79	0	3,900	21	7.2	190	250	---	---	---
	6/30/95	9.82	22.98	0	1,400	3.1	0.8	54	95	---	---	---
	9/22/95	10.60	22.20	0	620[8]	0.7	<0.5	3.3	3.5	---	---	---
	12/11/95	10.30	22.50	0	210	2.4	<0.5	43	85	79	---	---
	3/8/96	7.65	25.15	0	750	2.1	<0.5	22	34	330	---	---
	6/21/96	9.28	23.52	0	2,800	9.0	<0.5	94	83	1,300	---	---
	9/27/96	10.28	22.52	0	770	0.5	<0.5	5.1	6.1	580	---	---
	1/3/97	7.85	24.95	0	1,800	2.8	<0.5	51	41	110	---	---
	3/28/97	9.37	23.43	0	720	0.6	<0.5	4.7	3.7	200	---	---
	9/30/97	---	---	---	---	---	---	---	---	---	---	---
	3/28/98	**7.72**	**25.08**	**0**	**940[12]**	**3.9**	**<0.50**	**17**	**4.7**	**290**	**---**	**---**
C-2	6/6/89	---	---	0	130,000	14,000	28,000	3,400	24,000	---	---	---
	12/8/89	13.44	---	0.15	---	---	---	---	---	---	---	---
34.21[2]	9/7/90	14.28	20.01[1]	0.10	---	---	---	---	---	---	---	---
	12/20/90	14.06	20.16[1]	0.01	---	---	---	---	---	---	---	---
	3/15/91	11.59	22.63[1]	0.01	1,200,000	4,700	16,000	13,000	140,000	---	---	---
	6/28/91	12.55	21.66	0	150,000	3,500	4,200	2,100	16,000	---	---	---
	9/26/91	14.20	20.01	0	4,900	220	290	130	880	---	---	---
	1/27/92	12.46	21.75	0	8,200	510	590	230	1,300	---	---	---
	4/20/92	10.24	23.97	0	19,000	1,700	1,700	930	4,700	---	---	---
	7/17/92	12.81	21.40	0	20,000	950	950	1,300	4,700	---	---	---
	1/20/93	8.79	25.42	0	---	---	---	---	---	---	---	---
33.46	10/27/93	12.36	21.10	0	1,600	63	5.8	5.9	190	---	---	---
	3/31/94	9.62	23.84	0	12,000	300	96	510	2,700	---	---	---
	6/8/94	9.98	23.48	0	8,700	140	35	250	1,500	---	---	---
	9/28/94[4]	---	---	---	---	---	---	---	---	---	---	---

Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-0504, 15900 Hesperian Boulevard, San Lorenzo, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G)	B	T	E	X	MTBE	C	HVOCs
					<---ppb--->							
C-2 (cont)	11/9/94[4]	---	---	---	---	---	---	---	---	---	---	---(cont)(cont)
	12/14/94[4]	---	---	---	---	---	---	---	---	---	---	---
	3/30/95	7.69	25.77	0	1,400	17	5.4	52	240	---	---	---
	6/30/95	9.90	23.56	0	730	22	2.6	50	240	---	---	---
	9/22/95	10.61	22.85	0	2,100[8]	66	7.3	140	550	---	---	---
	12/11/95	10.38	23.08	0	3,700	23	<0.5	68	300	1,000	---	---
	3/8/96	7.70	25.76	0	2,200	19	<5.0	63	290	1,300	---	---
	6/21/96	9.37	24.09	0	2,200	23	1.1	70	260	2,300	---	---
	9/27/96	10.58	22.88	0	5,500	12	0.6	30	110	2,200	---	---
	1/3/97	7.90	25.56	0	750	4.2	<0.5	29	120	51	---	---
	3/28/97	9.35	24.11	0	1,300	12	1.5	24	86	310	---	---
	9/30/97	---	---	---	---	---	---	---	---	---	---	---
	3/28/98	**8.00**	**25.46**	**0**	**1,100[12]**	**14**	**<5.0**	**34**	**79**	**710**	**---**	**---**
C-3	6/6/89	---	---	0	2,600	63	20	390	370	---	---	---
	12/8/89	---	---	0	680	6.0	1.0	31	58	---	---	---
35.46[2]	9/7/90	15.31	20.15	0	490	6.0	<0.5	41	120	---	---	---
(d)	9/7/90	---	---	0	460	6.0	<0.5	40	110	---	---	---
	12/20/90	15.17	20.29	0	100	5.0	<0.5	27	130	---	---	---
	3/6/91	13.27	22.19	0	1,300	7.0	<0.5	75	250	---	---	---
(d)	3/6/91	---	---	0	1,400	8.0	<0.5	76	250	---	---	---
	6/28/91	13.67	21.79	0	770	6.0	<0.5	81	71	---	---	---
(d)	6/28/91	---	---	0	990	5.5	<0.5	86	75	---	---	---
	9/26/91	15.32	20.14	0	1,400	7.9	<0.5	98	340	---	---	---
	1/27/92	13.91	21.55	0	150	0.7	<0.5	12	12	---	---	---
	4/20/92	11.66	23.80	0	1,600	9.3	1.0	190	370	---	---	---
	7/17/92	13.96	21.50	0	460	18	<0.5	20	52	---	---	---
	10/29/92	15.51	19.95	0	520	2.4	1.0	30	79	---	---	---
	1/20/93	10.99	24.47	0	4,200	7.4	<0.5	140	380	---	---	---
	5/3/93	10.97	24.49	0	1,300	6.8	3.2	71	170	---	---	---
	7/28/93	12.41	23.05	0	220	1.4	<0.5	17	39	---	---	---
	10/27/93	13.37	21.78	0	1,800	5.5	0.7	68	290	---	---	---
	3/31/94	11.56[3]	23.90	0	310	1.2	<0.5	19	54	---	---	---
	6/8/94	12.07	23.39	0	300	2.7	1.6	19	48	---	---	---
	9/29/94[5]	13.84	21.62	0	2,500	<25	<25	<25	220	---	---	---
	11/9/94[6]	---	---	0	170	<0.5	0.8	3.3	16	---	---	---
	12/14/94	11.85	23.61	0	510	3.2	1.4	28	60	---	---	---
	3/30/95	9.61	25.85	0	66	<0.5	<0.5	1.1	2.4	---	---	---
	6/30/95	11.50	23.96	0	1,500	1.9	8.1	100	300	---	---	---
	9/22/95	12.58	22.88	0	600[8]	0.7	<0.5	43	110	---	---	---
	12/11/95	12.55	22.91	0	670[9]	<0.5	<0.5	7.0	13	15	---	---
	3/8/96	9.66	25.80	0	3,600	7.5	33	130	400	1,100	---	---
	6/21/96	11.78	23.68	0	310	<0.5	<0.5	16	49	57	---	---
	9/27/96	12.37	23.09	0	250	<0.5	<0.5	3.6	9.6	44	---	---
	1/3/97	9.89	25.57	0	170	<0.5	1.2	4.5	15	15	---	---

Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-0504, 15900 Hesperian Boulevard, San Lorenzo, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G)	B	T	E	X	MTBE	C	HVOCs
					<--------			ppb				-------->
C-3	3/28/97	10.96	24.50	0	60	<0.5	<0.5	1.7	1.8	23	—	—
(cont)	9/30/97	—	—	—	—	—	—	—	—	—	—	—
	3/28/98	**9.72**	**25.74**	**0**	**<50**	**0.88**	**<0.50**	**<0.50**	**<0.50**	**16**	**—**	**—**
C-4	6/6/89	—	—	0	<50	<0.05	<1.0	<1.0	<3.0	—	—	—
	12/8/89	—	—	0	<500	<0.5	<0.5	<0.5	<0.5	—	—	—
35.78[2]	9/7/90	15.58	20.20	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	12/20/90	15.42	20.36	0	170	1.0	<0.5	<0.5	4.0	—	—	—
	3/6/91	13.54	22.24	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	6/28/91	13.93	21.85	0	<50	<0.5	<0.5	<0.5	<0.8	—	—	—
	9/26/91	15.64	20.14	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	9/26/91	15.64	—	0	<50	<0.5	<0.5	<0.5	—	—	—	—
	1/27/92	13.96	21.82	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	4/20/92	11.71	24.07	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	7/17/92	14.19	21.59	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	10/29/92	15.72	20.06	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	1/20/93	11.17	24.61	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	5/3/93	10.94	24.84	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	7/28/93	12.40	23.38	0	<50	<0.5	<0.5	<0.5	<1.5	—	—	—
35.23	10/27/93	13.32	21.91	0	<50	<0.5	<0.5	<0.5	<1.5	—	—	—
	3/31/94[4]	—	—	—	—	—	—	—	—	—	—	—
	6/8/94	11.92	23.31	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	9/29/94[5]	13.76	21.47	0	<2,500	<25	<25	<25	<25	—	<0.5	ND[7]
	11/9/94[6]	—	—	0	<50	<0.5	<0.5	<0.5	<0.5	—	<0.5	ND[7]
	12/14/94	11.79	23.44	0	<50	2.1	3.0	1.9	3.7	—	1.8	ND[7]
	3/30/95	9.01	26.22	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	6/30/95	11.44	23.79	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	9/22/95	12.51	22.72	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	12/11/95	12.62	22.61	0	<50	<0.5	<0.5	<0.5	<0.5	<0.5	—	—
	3/8/96	9.63	25.60	0	<50	<0.5	<0.5	<0.5	0.6	<5.0	—	—
	6/21/96	11.24	23.99	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0	—	—
	9/27/96	12.31	22.92	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0	—	—
	1/3/97	9.69	25.54	0	<50	1.5	7.2	1.3	6.2	<5.0	—	—
	3/28/97	11.00	24.23	0	<50	5.0	8.3	0.8	4.7	<5.0	—	—
	9/30/97	Discontinued		—	—	—	—	—	—	—	—	—
C-5	6/6/89	—	—	0	<50	<0.05	<0.05	<1.0	<3.0	—	—	—
	12/8/89	—	—	0	<500	<0.5	<0.5	<0.5	<0.5	—	—	—
35.31[2]	9/7/90	15.10	20.21	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	12/20/90	14.94	20.37	0	80	<0.5	<0.5	<0.5	<0.5	—	—	—
	3/6/91	13.06	22.25	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	6/28/91	13.46	21.85	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	9/26/91	15.14	20.17	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—

Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-0504, 15900 Hesperian Boulevard, San Lorenzo, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G)	B	T	E	X	MTBE	C	HVOCs
					<---ppb--->							
C-5 (cont)	1/27/92	13.31	22.00	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	4/20/92	11.10	24.21	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	7/17/92	13.73	21.58	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	10/29/92	15.20	20.11	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	1/20/93	10.72	24.59	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	5/3/93	10.43	24.88	0	<50	<0.5	<0.5	<0.5	<1.5	---	---	---
	7/28/93	11.81	23.50	0	<50	<0.5	<0.5	<0.5	<1.5	---	---	---
34.61	10/27/93	12.68	21.93	0	<50	<0.5	<0.5	<0.5	<1.5	---	---	---
	3/31/94	11.00[3]	23.61	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	6/8/94	11.26	23.35	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	9/29/94[5]	13.10	21.51	0	<2,500	<25	<25	<25	<25	---	---	---
	11/9/94[6]	---	---	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	12/14/94	11.37	23.24	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	3/30/95	8.97	25.64	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	6/30/95	10.83	23.78	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	9/22/95	11.89	22.72	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	12/11/95	11.78	22.83	0	<50	<0.5	<0.5	<0.5	<0.5	<0.5	---	---
	3/8/96	9.02	25.59	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0	---	---
	6/21/96	10.64	23.97	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0	---	---
	9/27/96	11.57	23.04	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0	---	---
	1/3/97	9.02	25.59	0	<50	0.7	3.2	<0.5	2.2	<5.0	---	---
	3/28/97	10.38	24.23	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0	---	---
	9/30/97	Discontinued		---	---	---	---	---	---	---	---	---
C-6	12/8/89	---	---	0	<500	<0.5	<0.5	<0.5	<0.5	---	---	---
36.89[2]	9/7/90	16.83	20.06	0	57	<0.5	<0.5	0.6	4.0	---	---	---
	12/20/90	16.66	20.23	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	3/6/91	14.80	22.09	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	6/28/91	15.16	21.73	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	9/26/91	16.82	20.07	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	1/27/92	15.44	21.45	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	4/20/92	13.17	23.72	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	7/17/92	15.44	21.45	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	10/29/92	16.98	19.91	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	1/20/93	12.47	24.42	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	5/3/93	---	---	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	7/28/93	13.86	23.03	0	<50	<0.5	<0.5	<0.5	<1.5	---	---	---
36.57	10/27/93	14.85	21.72	0	<50	<0.5	<0.5	<0.5	<1.5	---	---	---
	3/31/94	13.00	23.57	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	6/8/94	13.44	23.13	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	9/29/94[5]	14.88	21.69	0	<2,500	<25	<25	<25	<25	---	---	---
	11/9/94[6]	---	---	0	<50	<0.5	0.5	<0.5	<0.5	---	---	---
	12/14/94	12.99	23.58	0	<50	0.9	1.5	1.3	2.6	---	---	---
	3/30/95	10.77	25.80	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	6/30/95	12.62	23.95	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---

Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-0504, 15900 Hesperian Boulevard, San Lorenzo, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G)	B	T	E	X	MTBE	C	HVOCs
					<--------			ppb				-------->
C-6	9/22/95	13.65	22.92	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
(cont)	12/11/95	13.68	22.89	0	140[10]	<0.5	<0.5	<0.5	<0.5	<0.5	---	---
	3/8/96	10.73	25.84	0	<50	<0.5	0.6	<0.5	<0.5	<5.0	---	---
	6/21/96	12.41	24.16	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0	---	---
	9/27/96	13.47	23.10	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0	---	---
	1/3/97	11.00	25.57	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0	---	---
	3/28/97	12.06	24.51	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0	---	---
	9/30/97	Discontinued		---	---	---	---	---	---	---	---	---
C-7	12/8/89	---	---	0	1,700	32	12	17	150	---	---	---
32.75[2]	9/7/90	13.02	19.73	0	880	84	23	46	180	---	---	---
	12/20/90	12.28	20.47	0	560	24	3.0	19	21	---	---	---
	3/6/91	16.92	15.83	0	240	25	2.0	4.0	26	---	---	---
	6/28/91	11.31	21.44	0	2,400	130	13	82	220	---	---	---
	9/26/91	12.28	20.47	0	8,100	47	35	350	1,200	---	---	---
	1/27/92	11.43	21.32	0	12,000	170	40	420	830	---	---	---
	4/20/92	9.28	23.47	0	1,200	80	11	90	110	---	---	---
	7/17/92	11.49	21.26	0	2,400	20	7.4	95	200	---	---	---
	10/29/92	13.05	19.70	0	69	1.3	<0.5	3.8	7.2	---	---	---
	1/20/93	8.69	24.06	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	5/3/93	8.68	24.07	0	2,400	29	8.6	140	210	---	---	---
	7/28/93	9.99	22.76	0	3,600	38	16	290	920	---	---	---
32.32	10/27/93	10.72	21.60	0	22,000	23	26	990	2,600	---	---	---
	3/31/94	9.11	23.21	0	2,300	45	7.0	130	190	---	---	---
	6/8/94	9.22	23.10	0	6,900	46	11	380	820	---	---	---
	9/29/94	11.32	21.00	0	11,000	10	11	620	810	---	---	---
	11/9/94[6]	---	---	0	7,800	33	18	570	1,100	---	---	---
	12/14/94	8.99	23.33	0	7,700	63	16	140	1,200	---	---	---
	3/30/95	7.28	25.04	0	4,100	64	18	170	280	---	---	---
	6/30/95	9.07	23.25	0	1,200	31	3.7	21	18	---	---	---
	9/22/95	10.05	22.27	0	1,800	64	5.7	30	38	---	---	---
	12/11/95	9.30	23.02	0	14,000	80	6.1	91	120	70	---	---
	3/8/96	7.33	24.99	0	2,300	57	8.4	110	180	37	---	---
	6/21/96	8.85	23.47	0	1,100	37	3.2	21	29	9.0	---	---
	9/27/96	9.11	23.21	0	10,000	150	30	270	670	45	---	---
	1/3/97	7.49	24.83	0	1,800	35	<0.5	34	72	15	---	---
	3/28/97	8.57	23.75	0	2,200	38	4.1	31	56	19	---	---
	9/30/97	---	---	---	---	---	---	---	---	---	---	---
	3/28/98	**7.34**	**24.98**	**0**	**2,100[12]**	**28**	**7.8**	**70**	**170**	**<25**	**---**	**---**
C-8	12/8/89	---	---	0	4,800	62	11	95	180	---	---	---
33.82[2]	9/7/90	14.32	19.50	0	3,700	170	31	180	270	---	---	---
	12/20/90	14.20	19.61	0	3,900	120	20	130	180	---	---	---
	3/6/91	14.80	19.02	0	1,200	45	6.0	34	57	---	---	---

Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-0504, 15900 Hesperian Boulevard, San Lorenzo, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G)	B	T	E	X	MTBE	C	HVOCs
					<----------ppb---------->							
C-8	6/28/91	12.65	21.17	0	6,900	180	46	340	640	---	---	---
(cont)	9/26/91	14.29	19.53	0	1,400	66	9.8	38	40	---	---	---
	1/27/92	12.60	21.22	0	3,600	100	26	170	260	---	---	---
	4/20/92	10.36	23.46	0	2,600	110	32	180	260	---	---	---
	7/17/92	12.88	20.94	0	1,100	34	5.9	35	52	---	---	---
	10/29/92	14.39	19.43	0	820	29	4.8	23	27	---	---	---
	1/20/93	10.02	23.80	0	6,000	81	22	200	310	---	---	---
	5/3/93	9.75	24.07	0	11,000	75	96	880	2,600	---	---	---
	7/28/93	11.14	22.68	0	2,800	60	13	92	150	---	---	---
33.25	10/27/93	12.01	21.24	0	2,700	49	17	60	90	---	---	---
	3/31/94	10.27	22.98	0	190	8.6	1.7	9.1	11	---	---	---
	6/8/94	10.56	22.69	0	2,800	52	110	78	110	---	---	---
	9/29/94	12.42	20.83	0	3,700	120	20	120	85	---	---	---
	11/9/94[6]	---	---	0	3,200	82	44	160	110	---	---	---
	12/14/94	10.51	22.74	0	5,300	140	30	170	310	---	---	---
	3/30/95	8.44	24.81	0	3,900	86	19	180	210	---	---	---
	6/30/95	10.14	23.11	0	1,500	75	21	72	72	---	---	---
	9/22/95	11.20	22.05	0	3,400	94	24	110	110	---	---	---
	12/11/95	10.99	22.26	0	7,500	100	<0.5	160	120	130	---	---
	3/8/96	8.46	24.79	0	3,600	93	8.9	110	88	82	---	---
	6/21/96	9.97	23.28	0	3,200	69	6.8	100	88	19	---	---
	9/27/96	10.78	22.47	0	7,000	98	12	150	130	53	---	---
	1/3/97	8.82	24.43	0	5,700	43	9.3	110	95	17	---	---
	3/28/97	9.65	23.60	0	4,900	52	4.7	70	47	50	---	---
	9/30/97	---	---	---	---	---	---	---	---	---	---	---
	3/28/98	**8.47**	**24.78**	**0**	**3,300[12]**	**33**	**4.2**	**110**	**61**	**<25**	**---**	**---**
C-9/												
33.43[2]	9/7/90	14.06	19.37	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	12/20/90	14.03	19.40	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	3/6/91	12.12	21.31	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	6/28/91	12.41	21.02	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	9/26/91	14.02	19.41	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	1/27/92	12.53	20.90	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	4/20/92	10.22	23.21	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	7/17/92	12.64	20.79	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	10/29/92	14.20	19.23	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	1/20/93	9.72	23.71	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	5/3/93	9.55	23.66	0	<50	<0.5	<0.5	<0.5	<1.5	---	---	---
	7/28/93	10.98	22.45	0	<50	<0.5	<0.5	<0.5	<1.5	---	---	---
32.97	10/27/93	11.98	20.99	0	<50	<0.5	<0.5	<0.5	<1.5	---	---	---
	3/31/94	10.17	22.80	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	6/8/94	10.53	22.44	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	9/29/94[5]	12.40	20.57	0	<5,000	<50	<50	<50	<50	---	---	---
	11/9/94[6]	---	---	0	<50	<0.5	<0.5	<0.5	0.7	---	---	---

Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-0504, 15900 Hesperian Boulevard, San Lorenzo, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G)	B	T	E	X	MTBE	C	HVOCs
					<--------			ppb				-------->
C-9	12/14/94	10.49	22.48	0	69	1.1	2.2	3.4	7.8	—	—	—
(cont)	3/30/95	8.20	24.77	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	6/30/95	9.97	23.00	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	9/22/95	11.07	21.90	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	12/11/95	11.08	21.89	0	<50	<0.5	<0.5	<0.5	<0.5	<0.5	—	—
	3/8/96	8.20	24.77	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0	—	—
	6/21/96	9.81	23.16	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0	—	—
	9/27/96	10.91	22.06	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0	—	—
	1/3/97	8.67	24.30	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0	—	—
	3/28/97	9.47	23.50	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0	—	—
	9/30/97	11.61	21.36	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0	—	—
	3/28/98	**8.26**	**24.71**	**0**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<2.5**	**—**	**—**
C-10/ 31.63[2]	9/7/90	12.49	19.14	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	12/20/90	12.36	19.27	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	3/6/91	10.45	21.18	0	<50	<0.5	0.8	<0.5	0.8	—	—	—
	6/28/91	10.74	20.69	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	9/26/91	12.42	19.21	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	1/27/92	10.84	20.79	0	<50	<0.5	1.3	<0.5	<0.5	—	—	—
(d)	1/27/92	—	—	0	<50	<0.5	1.3	<0.5	<0.5	—	—	—
	4/20/92	8.55	23.06	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	7/17/92	11.02	20.61	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	10/29/92	12.40	19.23	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	1/20/93	8.14	23.49	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	5/3/93	7.92	23.71	0	<50	<0.5	<0.5	<0.5	<1.5	—	—	—
	7/28/93	9.36	22.27	0	<50	<0.5	<0.5	<0.5	<1.5	—	—	—
31.16	10/27/93	10.30	20.86	0	<50	<0.5	<0.5	<0.5	<1.5	—	—	—
	3/31/94	8.45	22.71	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	6/8/94	8.85	22.31	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	9/29/94[5]	10.70	20.46	0	<5,000	<50	<50	<50	<50	—	—	—
	11/9/94[6]	—	—	0	<50	<0.5	1.4	0.8	1.2	—	—	—
	12/14/94	8.61	22.55	0	110	3.9	5.4	4.3	11	—	—	—
	3/30/95	6.65	24.51	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	6/30/95	8.30	22.86	0	<50	1.5	1.5	<0.5	2.2	—	—	—
	9/22/95	9.41	21.75	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	12/11/95	9.27	21.89	0	<50	<0.5	<0.5	<0.5	<0.5	<0.5	—	—
	3/8/96	6.63	24.53	0	<50	<0.5	<0.5	<0.5	0.5	<5.0	—	—
	6/21/96	8.12	23.04	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0	—	—
	9/27/96	9.21	21.95	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0	—	—
	1/3/97	7.32	23.84	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0	—	—
	3/28/97	7.82	23.34	0	<50	1.2	1.8	<0.5	0.8	<5.0	—	—
	9/30/97	9.82	21.34	0	<250[11]	<2.5	<2.5	<2.5	<2.5	<25	—	—
	3/28/98	**6.56**	**24.60**	**0**	**<50**	**<0.50**	**0.52**	**<0.50**	**<0.50**	**<2.5**	**—**	**—**

Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-0504, 15900 Hesperian Boulevard, San Lorenzo, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G)	B	T	E	X	MTBE	C	HVOCs
					<----------ppb---------->							
C-11/ 31.58[2]	9/7/90	12.22	19.36	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	12/20/90	12.08	19.50	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	3/6/91	16.15	15.43	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	6/28/91	10.52	21.06	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	9/26/91	12.20	19.38	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	1/27/92	10.73	20.85	0	<50	<0.5	0.8	<0.5	<0.5	---	---	---
	4/20/92	8.56	23.02	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	7/17/92	10.78	20.80	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	10/29/92	12.07	19.51	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	1/20/93	7.97	21.61	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	5/3/93	7.95	23.63	0	<50	<0.5	<0.5	<0.5	<1.5	---	---	---
	7/28/93	9.31	22.27	0	<50	<0.5	<0.5	<0.5	<1.5	---	---	---
31.23	10/27/93	10.17	21.06	0	<50	<0.5	<0.5	<0.5	<1.5	---	---	---
	3/31/94	8.43	22.80	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	6/8/94	8.76	22.47	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	9/29/94	10.54	20.69	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	11/9/94	---	---	0	<50	<0.5	0.6	<0.5	0.7	---	---	---
	12/14/94	8.50	22.73	0	51	1.1	1.7	1.6	4.0	---	---	---
	3/30/95	6.85	24.38	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	6/30/95	8.34	22.89	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	9/22/95	9.30	21.93	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	12/11/95	9.01	22.22	0	<50	<0.5	<0.5	<0.5	1.1	1.1	---	---
	3/8/96	6.90	24.33	0	<50	<0.5	0.6	<0.5	1.6	<5.0	---	---
	6/21/96	8.10	23.13	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0	---	---
	9/27/96	9.07	22.16	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0	---	---
	1/3/97	7.13	24.10	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0	---	---
	3/28/97	9.83	21.40	0	120	12	20	2.3	14	<5.0	---	---
	9/30/97	9.67	21.56	0	<50	0.7	0.8	<0.5	0.6	<5.0	---	---
	3/28/98	**6.83**	**24.40**	**0**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<2.5**	**---**	**---**
Trip Blank	9/7/90	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	12/20/90	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	3/6/91	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	6/28/91	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	9/26/91	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	1/27/92	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	4/20/92	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	7/17/92	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	10/29/92	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	1/20/93	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	5/3/93	---	---	---	<50	<0.5	<0.5	<0.5	<1.5	---	---	---
	7/28/93	---	---	---	<50	<0.5	<0.5	<0.5	<1.5	---	---	---
	10/27/93	---	---	---	<50	<0.5	<0.5	<0.5	<1.5	---	---	---
	3/31/94	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	---	---	---

Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-0504, 15900 Hesperian Boulevard, San Lorenzo, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G)	B	T	E	X	MTBE	C	HVOCs
					<--------			ppb				-------->
Trip Blank (cont)	6/8/94	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	11/9/94	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	12/14/94	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	3/30/95	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	6/30/95	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	9/22/95	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	12/11/95	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	<0.5	---	---
	3/8/96	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	<5.0	---	---
	6/21/96	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	<5.0	---	---
	9/27/96	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	<5.0	---	---
	1/3/97	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	<5.0	---	---
	3/28/97	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	<5.0	---	---
	9/30/97	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	<5.0	---	---
	3/28/98	**---**	**---**	**---**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<2.5**	**---**	**---**
DTSC MCLs	---	---	---	---	---	NE	1.0	100	680	1,750	---	---

Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-0504, 15900 Hesperian Boulevard, San Lorenzo, California (continued)

EXPLANATION:

TOC = Top of casing elevation
(ft) = feet
DTW = Depth to water
GWE = Groundwater elevation
msl = Measurements referenced relative to mean sea level
TPH(G) = Total Purgeable Petroleum Hydrocarbons as Gasoline
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
MTBE = Methyl tertiary-butyl ether
C = Chloroform
HVOC = Halogenated Volatile Organic Compounds
DTSC = Department of Toxic Substances Control
MCLs = Maximum Contaminant Level
NE = Not established
(d) = duplicate
ppb = Parts per billion
--- = Not available/not applicable

ANALYTICAL METHODS:

TPH(G) = EPA Method 8015/5030
BTEX & MTBE = EPA Method 8020
HVOC's = EPA Method 8010

NOTES:

Analytical results and groundwater elevation data prior to 1995 were compiled from the quarterly groundwater monitoring reports prepared for Chevron by Sierra Environmental Servcies.

* A product thickness measured with an MMC flexi-dip interface probe.

[1] Groundwater Elevation = [(Top-of-casing elevation - depth to water) + (0.8 x hydrocarbon thickness)]. The assumed specific gravity for free-phase hydrocarbons is 0.8.
[2] Elevation of well box.
[3] Depth to water measured from top of well vault.
[4] Well inaccessible due to down-hole extraction equipment.
[5] Detection limit raised due to foaming sample.
[6] All site monitoring wells were re-sampled due to an excessive number of foaming samples on the 9/29/94 event.
[7] Other HVOCs were not detected at detection limits of 0.5 - 1.0 ppb.
[8] Laboratory report indicates uncategorized compounds are not included in gasoline concentration.
[9] Laboratory report indicates gasoline + unidentified hydrocarbons >C8.
[10] Laboratory report indicates unidentified hydrocarbons >C12.
[11] Laboratory report indicates sample diluted due to foaming.
[12] Laboratory report indicates gas and unidentified hydrocarbons C6-C12.

5259.TQM

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

Gettler-Ryan Inc. field personnel adhere to the following procedures for the collection and handling of groundwater samples prior to analysis by the analytical laboratory. Prior to sample collection, the type of analysis to be performed is determined. Loss prevention of volatile compounds is controlled and sample preservation for subsequent analysis is maintained.

Prior to sampling, the presence or absence of free-phase hydrocarbons is determined using a MMC flexi-dip interface probe. Product thickness, if present, is measured to the nearest 0.01 foot and is noted in the field notes. In addition, static water level measurements are collected with the interface probe and are also recorded in the field notes.

After water levels are collected and prior to sampling, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, suction, Grundfos), or polyvinyl chloride bailers. Temperature, pH and electrical conductivity are measured a minimum of three times during the purging. Purging continues until these parameters stabilize.

Groundwater samples are collected using Chevron-designated disposable bailers. The water samples are transferred from the bailer into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used when possible. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler, maintained at 4°C for transport to the laboratory. Once collected in the field, all samples are maintained under chain of custody until delivered to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected, and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory supplied trip blank accompanies each sampling set. For sampling sets greater than 20 samples, 5% trip blanks are included. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.

As requested by Chevron Products Company, the purge water and decontamination water generated during sampling activities is transported by IWM to McKittrick Waste Management located in McKittrick, California.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Chevron Facility # 9-0504 Job#: 5259.80

Address: 15900 Hesperian Blvd. Date: 3-28-98

City: San Lorenzo, CA Sampler: F. Cline

Well ID C- 1 Well Condition: clay

Well Diameter 2" (3") in. Hydrocarbon Thickness: C in. Amount Bailed (product/water): C (gal.)

Total Depth 19' ft.

Depth to Water 7.72 ft.

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

11.28 X VF 0.38 = 4.3 X 3 (case volume) = Estimated Purge Volume: 12.9 (gal.)

Purge Equipment: Disposable Bailer; Bailer; Stack; (Suction); ~~Grundfos~~; Other:

Sampling Equipment: (Disposable Bailer); ~~Bailer~~; Pressure Bailer; Grab Sample; Other:

Starting Time: 14:33 Weather Conditions: Clear Breez

Sampling Time: 14:41 Water Color: Clear Odor: None

Purging Flow Rate: 2.2 gpm. Sediment Description: N/a

Did well de-water? If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
14:35	4.4	6.94	2160	20.4			
14:37	8.8	6.92	2220	20.1			
1439	13.2	6.91	2300	20.2			
1441	17.6	6.97	2290	20.1			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
C- 1	3 x 40m/VOA	Y	HCL	~~NEMOTEL~~ SEQ.	TPH-Gas/BTEX/MTBE

COMMENTS:

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Chevron Facility # 9-0504 Job#: 5259.80

Address: 15900 Hesperian Blvd. Date: 3-28-98

City: San Lorenzo, CA Sampler: F.Cline

Well ID C- 2 Well Condition: okay

Well Diameter 2" (3") in. Hydrocarbon Thickness: C in. Amount Bailed (product/water): C (gal.)

Total Depth 20' ft.

Depth to Water 8.0C ft.

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

12.0C x VF 0.35 = 4.1 X 3 (case volume) = Estimated Purge Volume: 13 (gal.)

Purge Equipment: Disposable Bailer; Bailer; Stack; (Suction); Grundfos; Other:

Sampling Equipment: (Disposable Bailer); ~~Bailer~~; Pressure Bailer; Grab Sample; Other:

Starting Time: 14:47 Weather Conditions: Clear windy

Sampling Time: 1455 Water Color: Black Odor: Mild

Purging Flow Rate: 2.3 gpm. Sediment Description: Silty Bavical

Did well de-water? NC If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
14:49	4.6	7.10	530	18.4			
14:51	9.2	7.09	20C	18.2			
14:53	13.8	7.07	103C	18.5			
14:55	14.5	7.08	1020	18.4			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
C- 2	3 x 40m/VOA	Y	HCL	~~NEI/OTEL~~ SEQ.	TPH-Gas/BTEX/MTBE

COMMENTS: _____

9/97-fieldat.frm

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Chevron Facility # 9-0504 Job#: 5259.80

Address: 15900 Hesperian Blvd. Date: 3-28-98

City: San Lorenzo, CA Sampler: F. Cline

Well ID C- 3 Well Condition: clay

Well Diameter 2" (3") in. Hydrocarbon Thickness: C in. Amount Bailed (product/water): C (gal.)

Total Depth 19 ft.

Depth to Water 9.72 ft.

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

9.28 X VF 0.38 = 3.5 X 3 (case volume) = Estimated Purge Volume: 10.5 (gal.)

Purge Equipment:
- Disposable Bailer
- Bailer
- ~~Stack~~
- ~~Suction~~
- Grundfos
- Other:

Sampling Equipment:
- ~~Disposable Bailer~~
- Bailer
- Pressure Bailer
- Grab Sample
- Other:

Starting Time: 14:14 Weather Conditions: Clear Breezy

Sampling Time: 14:22 Water Color: clear Odor: None

Purging Flow Rate: 2 gpm. Sediment Description: None

Did well de-water? No If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
14:16	4	7.08	2520	20.4			
14:18	8	6.98	2540	20.5			
14:20	12	6.97	2530	20.5			
14:22	13	6.98	2540	20.5			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
C- 3	3 x 40m/VOA	Y	HCL	~~NEI/OTEL~~ SEQ.	TPH-Gas/BTEX/MTBE

COMMENTS:

9/97-fieldat.frm

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Chevron Facility # 9-0504 Job#: 5259.80

Address: 15900 Hesperian Blvd. Date: 3-28-96

City: San Lorenzo, CA Sampler: F.Cline

Well ID C- 7 Well Condition: okay

Well Diameter (2") 3" in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 24' ft.

Depth to Water 7.34 ft.

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

16.66 X VF 0.17 = 2.8 X 3 (case volume) = Estimated Purge Volume: 8.5 (gal.)

Purge Equipment:
- Disposable Bailer
- Bailer
- ~~Stack~~ Suction
- Grundfos
- Other:

Sampling Equipment:
- (Disposable Bailer)
- ~~Bailer~~
- Pressure Bailer
- Grab Sample
- Other:

Starting Time: 15:20 Weather Conditions: Clear Breeze

Sampling Time: 15:28 Water Color: Clear Odor: Mild

Purging Flow Rate: 1.5 gpm. Sediment Description: Mod-1

Did well de-water? NK If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
15:22	3	Ca90	2150	19.2			
15:24	6	Ca85	~~2200~~ 2200	20.8			
15:26	9	Ca83	2260	20.9			
15:28	12	Ca84	2250	20.8			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
C- 7	3 x 40m/VOA	Y	HCL	~~NEMCTEL~~ SEQ.	TPH-Gas/BTEX/MTBE

COMMENTS:

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Chevron Facility # 9-0504 Job#: 5259.80

Address: 15900 Hesperian Blvd. Date: 3-28-98

City: San Lorenzo, CA Sampler: F. Cline

Well ID C-8 Well Condition: Okay

Well Diameter (2") 3" in. Hydrocarbon Thickness: C in. Amount Bailed (product/water): C (gal.)

Total Depth 24.1 ft.

Depth to Water 8.47 ft.

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

15.53 X VF 0.17 = 2.6 X 3 (case volume) = Estimated Purge Volume: 7.9 (gal.)

Purge Equipment: Disposable Bailer; Bailer; (Stack); Suction; Grundfos; Other:

Sampling Equipment: (Disposable Bailer); Bailer; Pressure Bailer; Grab Sample; Other:

Starting Time: 15:08 Weather Conditions: Clear Breezy

Sampling Time: 1519 Water Color: Clear Odor: Mild

Purging Flow Rate: 1.5 gpm. Sediment Description: N/a

Did well de-water? Nt If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
15:08	3	6.81	2370	20.7			
1510	6	6.81	2480	21.2			
1512	9	6.82	2480	21.2			
1514	10	6.81	2490	21.3			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
C-8	3 x 40m/VOA	Y	HCL	~~NEWTEL~~ SEQ.	TPH-Gas/BTEX/MTBE

COMMENTS:

9/97-fieldat.frm

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Chevron Facility # 9-0504 Job#: 5259.80

Address: 15900 Hesperian Blvd. Date: 3-28-96

City: San Lorenzo, CA Sampler: F. Cline

Well ID C- 9 Well Condition: Okay

Well Diameter (2") 3" in. Hydrocarbon Thickness: — in. Amount Bailed (product/water): — (gal.)

Total Depth 24' ft.

Depth to Water 8.26 ft.

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

15.74' x VF 0.17 = 2.7 X 3 (case volume) = Estimated Purge Volume: 8 (gal.)

Purge Equipment: Disposable Bailer; Bailer; (Stack); ~~Suction~~; Grundfos; Other:

Sampling Equipment: (Disposable Bailer); ~~Bailer~~; Pressure Bailer; Grab Sample; Other:

Starting Time: 13:34 Weather Conditions: Cloudy Windy

Sampling Time: 13:42 Water Color: clear Odor: None

Purging Flow Rate: 1.5 gpm. Sediment Description: None

Did well de-water? No If yes; Time: — Volume: — (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
13:36	3	8.91	399	18.4			
13:38	6	8.41	400	18.4			
13:40	9	8.46	398	18.4			
13:42	10	8.46	399	18.4			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
C- 9	3 x 40m/VOA	Y	HCL	~~NEWTEL~~ SEQ.	TPH-Gas/BTEX/MTBE

COMMENTS: —

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Chevron Facility # 9-0504 Job#: 5259.80

Address: 15900 Hesperian Blvd. Date: 3-28 98

City: San Lorenzo, CA Sampler: F. Cline

Well ID C- 10 Well Condition: okay

Well Diameter (2") 3" in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 24' ft.

Depth to Water 6.56 ft.

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

17.44 X VF 0.17 = 2.9 X 3 (case volume) = Estimated Purge Volume: 8.89 (gal.)

Purge Equipment:
Disposable Bailer
Bailer
(Stack)
~~Suction~~
Grundfos
Other:

Sampling Equipment:
(Disposable Bailer)
Bailer
Pressure Bailer
Grab Sample
Other:

Starting Time: 13:57 Weather Conditions: Clear cool

Sampling Time: 1405 Water Color: Clear Odor: None

Purging Flow Rate: 1.5 gpm. Sediment Description: N/a

Did well de-water? If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
13:59	3	6.91	2330	20.9			
1401	6	6.90	2340	21.0			
1403	9	6.89	2350	21.0			
1405	10	6.89	2340	21.0			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
C- 10	3 x 40m/VOA	Y	HCL	~~NEWTEL~~ SEQ	TPH-Gas/BTEX/MTBE

COMMENTS:

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Chevron Facility # 9-0504 Job#: 5259.80

Address: 15900 Hesperian Blvd. Date: 3-28-96

City: San Lorenzo, CA Sampler: F. Cline

Well ID C-11 Well Condition: clay

Well Diameter 2" 3" in. Hydrocarbon Thickness: C in. Amount Bailed (product/water): C (gal.)

Total Depth 24' ft.

Depth to Water 6.83 ft.

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

17.17 X VF 0.17 = 2.9 X 3 (case volume) = Estimated Purge Volume: 8.7 (gal.)

Purge Equipment: Disposable Bailer; Bailer; Stack; Suction; Grundfos; Other: _____

Sampling Equipment: Disposable Bailer; Bailer; Pressure Bailer; Grab Sample; Other: _____

Starting Time: 1349 Weather Conditions: Clear Breez

Sampling Time: 1352 Water Color: clear Odor: None

Purging Flow Rate: 1.5 gpm. Sediment Description: N/A

Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1346	3	7.12	3320	19.7			
1348	6	7.09	2840	20.1			
1350	9	7.09	2800	20.1			
1352	10	7.10	2820	20.1			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
C-11	3 x 40m/VOA	Y	HCL	~~NEWGTEL~~ SEQ.	TPH-Gas/BTEX/MTBE

COMMENTS: _____

9/97-fieldat.frm

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 #9-0504
Facility Address 15900 Hesperian Blvd., San Lorenzo, CA
Consultant Project Number 5259
Consultant Name Gettler-Ryan
Address 6747 Sierra Ct, Ste J, Dublin 94568
Project Contact (Name) Deanna Harding
(Phone) 551-7555 (Fax Number) 551-7888

Chevron Contact (Name) Mr. Phil Briggs
(Phone) (510) 842-9136
Laboratory Name ~~NET/GTEL~~ SEQ Service Code: ZZ02790
Laboratory Service Order # ~~9033197~~ 9105600
Samples Collected by (Name) F. Chiu
Collection Date 3-28-98
Signature

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed: TPH Gas + BTEX w/MTBE (8015) (8020)	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 TB-LB ANALYSIS Remarks
TB-LB		2	W	TB		HCl	Y	X													
C-9		3		G	1342			X													
C-11					1333			X													
C-10					1405			X													
C-3					1422			X													
C-1					1491			X													
C-2					1485			X													
C-7					1528			X													
C-8		↓	↓	↓	1529	↓	↓	X													

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	G-R Inc.	3/30/98 0800	D. Harding	G-R Inc.	3/30/98
	G-R	3/30/98		Sequoia	3/30 10:45
	Sequoia	3/30 1215	Received For Laboratory By (Signature)		Date/Time 3/30/98 1215

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

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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APR 13 '98

GETTLER-RYAN INC.

Gettler Ryan/Geostrategies	Client Proj. ID: Chevron 9-0504, San Lorenzo	Sampled: 03/28/98
6747 Sierra Court Suite J	Sample Descript: TB-LB	Received: 03/30/98
Dublin, CA 94568	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 04/03/98
Attention: Deanna Harding	Lab Number: 9803J67-01	Reported: 04/08/98

QC Batch Number: GC040398802007A
Instrument ID: GCHP07

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	87

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager

Sequoia Analytical

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Gettler Ryan/Geostrategies
6747 Sierra Court Suite J
Dublin, CA 94568

Attention: Deanna Harding

Client Proj. ID: Chevron 9-0504, San Lorenzo
Sample Descript: C-1
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9803J67-06

Sampled: 03/28/98
Received: 03/30/98

Analyzed: 04/03/98
Reported: 04/08/98

QC Batch Number: GC040398802007A
Instrument ID: GCHP07

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	940
Methyl t-Butyl Ether	2.5	290
Benzene	0.50	3.9
Toluene	0.50	N.D.
Ethyl Benzene	0.50	17
Xylenes (Total)	0.50	4.7
Chromatogram Pattern:		
Gas & Unidentified HC		C6-C12

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	103

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager

Sequoia Analytical

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Gettler Ryan/Geostrategies	Client Proj. ID: Chevron 9-0504, San Lorenzo	Sampled: 03/28/98
6747 Sierra Court Suite J	Sample Descript: C-2	Received: 03/30/98
Dublin, CA 94568	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 04/03/98
Attention: Deanna Harding	Lab Number: 9803J67-07	Reported: 04/08/98

QC Batch Number: GC040398802007A
Instrument ID: GCHP07

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**500**	**1100**
Methyl t-Butyl Ether	**25**	**710**
Benzene	**5.0**	**14**
Toluene	5.0	N.D.
Ethyl Benzene	**5.0**	**34**
Xylenes (Total)	**5.0**	**79**
Chromatogram Pattern:		
Gas & Unidentified HC		**C6-C12**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	79

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager

Sequoia Analytical

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Gettler Ryan/Geostrategies	Client Proj. ID: Chevron 9-0504, San Lorenzo	Sampled: 03/28/98
6747 Sierra Court Suite J	Sample Descript: C-3	Received: 03/30/98
Dublin, CA 94568	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 04/06/98
Attention: Deanna Harding	Lab Number: 9803J67-05	Reported: 04/08/98

QC Batch Number: GC040698802007A
Instrument ID: GCHP07

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	**2.5**	**16**
Benzene	**0.50**	**0.88**
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	92

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager

Sequoia Analytical

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Gettler Ryan/Geostrategies	Client Proj. ID: Chevron 9-0504, San Lorenzo	Sampled: 03/28/98
6747 Sierra Court Suite J	Sample Descript: C-7	Received: 03/30/98
Dublin, CA 94568	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 04/03/98
Attention: Deanna Harding	Lab Number: 9803J67-08	Reported: 04/08/98

QC Batch Number: GC040398802007A
Instrument ID: GCHP07

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	500	2100
Methyl t-Butyl Ether	25	N.D.
Benzene	5.0	28
Toluene	5.0	7.8
Ethyl Benzene	5.0	70
Xylenes (Total)	5.0	170
Chromatogram Pattern:		
Gas & Unidentified HC		C6-C12

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	83

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager

Sequoia Analytical

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Gettler Ryan/Geostrategies	Client Proj. ID: Chevron 9-0504, San Lorenzo	Sampled: 03/28/98
6747 Sierra Court Suite J	Sample Descript: C-8	Received: 03/30/98
Dublin, CA 94568	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 04/03/98
Attention: Deanna Harding	Lab Number: 9803J67-09	Reported: 04/08/98

QC Batch Number: GC040398802007A
Instrument ID: GCHP07

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	500	3300
Methyl t-Butyl Ether	25	N.D.
Benzene	5.0	33
Toluene	5.0	4.2
Ethyl Benzene	5.0	110
Xylenes (Total)	5.0	61
Chromatogram Pattern:		
Gas & Unidentified HC		C6-C12

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	92

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager

Sequoia Analytical

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Gettler Ryan/Geostrategies
6747 Sierra Court Suite J
Dublin, CA 94568

Attention: Deanna Harding

Client Proj. ID: Chevron 9-0504, San Lorenzo
Sample Descript: C-9
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9803J67-02

Sampled: 03/28/98
Received: 03/30/98

Analyzed: 04/03/98
Reported: 04/08/98

QC Batch Number: GC040398802007A
Instrument ID: GCHP07

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	93

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager

Sequoia Analytical

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Gettler Ryan/Geostrategies	Client Proj. ID: Chevron 9-0504, San Lorenzo	Sampled: 03/28/98
6747 Sierra Court Suite J	Sample Descript: C-10	Received: 03/30/98
Dublin, CA 94568	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 04/06/98
Attention: Deanna Harding	Lab Number: 9803J67-04	Reported: 04/08/98

QC Batch Number: GC040698802007A
Instrument ID: GCHP07

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	**0.50**	**0.52**
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	97

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager

Sequoia Analytical

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Gettler Ryan/Geostrategies	Client Proj. ID: Chevron 9-0504, San Lorenzo	Sampled: 03/28/98
6747 Sierra Court Suite J	Sample Descript: C-11	Received: 03/30/98
Dublin, CA 94568	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 04/06/98
Attention: Deanna Harding	Lab Number: 9803J67-03	Reported: 04/08/98

QC Batch Number: GC040698802007A
Instrument ID: GCHP07

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	101

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager

Sequoia Analytical

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Gettler Ryan/Geostrategies
6747 Sierra Court Suite J
Dublin, CA 94568
Attention: Deanna Harding

Client Proj. ID: Chevron 9-0504, San Lorenzo
Lab Proj. ID: 9803J67

Received: 03/30/98
Reported: 04/08/98

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 15 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

TPGBMW: Sample 9803J67-07 was diluted 10-fold.
Sample 9803J67-08 was diluted 10-fold.
Sample 9803J67-09 was diluted 10-fold.

SEQUOIA ANALYTICAL

Mike Gregory
Project Manager

Sequoia Analytical

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Gettler Ryan/Geostrategies
6747 Sierra Court, Ste J
Dublin, CA 94568
Attention: Deanna Harding

Client Project ID: Chevron 9-0504, San Lorenzo
Matrix: Liquid
Work Order #: 9803J67 -01-02, 06-09
Reported: Apr 10, 1998

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Gas
QC Batch#:	GC040398802007A	GC040398802007A	GC040398802007A	GC040398802007A	GC040398802007A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015M
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	S.L.	S.L.	S.L.	S.L.	S.L.
MS/MSD #:	98030009	98030009	98030009	98030009	-
Sample Conc.:	33	4.2	110	61	-
Prepared Date:	4/3/98	4/3/98	4/3/98	4/3/98	-
Analyzed Date:	4/3/98	4/3/98	4/3/98	4/3/98	-
Instrument I.D.#:	GC7	GC7	GC7	GC7	-
Conc. Spiked:	200 µg/L	200 µg/L	200 µg/L	600 µg/L	-
Result:	238	208	334	731	-
MS % Recovery:	103	102	112	112	-
Dup. Result:	234	203	326	710	-
MSD % Recov.:	101	99	108	108	-
RPD:	1.7	2.4	2.4	2.9	-
RPD Limit:	0-25	0-25	0-25	0-25	-
LCS #:	LCS040398	LCS040398	LCS040398	LCS040398	LCS040398
Prepared Date:	4/3/98	4/3/98	4/3/98	4/3/98	4/3/98
Analyzed Date:	4/3/98	4/3/98	4/3/98	4/3/98	4/3/98
Instrument I.D.#:	GC7	GC7	GC7	GC7	GC7
Conc. Spiked:	200 µg/L	200 µg/L	200 µg/L	600 µg/L	500 µg/L
LCS Result:	23	23	24	73	421
LCS % Recov.:	113	113	118	122	84
MS/MSD Control Limits	60-140	60-140	60-140	60-140	60-140
LCS Control Limits	70-130	70-130	70-130	70-130	70-130

SEQUOIA ANALYTICAL
Elap #2142

Mike Gregory
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

Sequoia Analytical

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Gettler Ryan/Geostrategies	Client Project ID:	Chevron 9-0504, San Lorenzo	
6747 Sierra Court, Ste J	Matrix:	Liquid	
Dublin, CA 94568			
Attention: Deanna Harding	Work Order #:	9803J67-03-05	Reported: Apr 10, 1998

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Gas
QC Batch#:	GC040698802007A	GC040698802007A	GC040698802007A	GC040698802007A	GC040698802007A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015M
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	S.L.	S.L.	S.L.	S.L.	S.L.
MS/MSD #:	98030009	98030009	98030009	98030009	-
Sample Conc.:	33	4.2	110	61	-
Prepared Date:	4/3/98	4/3/98	4/3/98	4/3/98	-
Analyzed Date:	4/3/98	4/3/98	4/3/98	4/3/98	-
Instrument I.D.#:	GC7	GC7	GC7	GC7	-
Conc. Spiked:	200 µg/L	200 µg/L	200 µg/L	600 µg/L	-
Result:	238	208	334	731	-
MS % Recovery:	103	102	112	112	-
Dup. Result:	234	203	326	710	-
MSD % Recov.:	101	99	108	108	-
RPD:	1.7	2.4	2.4	2.9	-
RPD Limit:	0-25	0-25	0-25	0-25	-
LCS #:	LCS040698	LCS040698	LCS040698	LCS040698	LCS040698
Prepared Date:	4/6/98	4/6/98	4/6/98	4/6/98	4/6/98
Analyzed Date:	4/6/98	4/6/98	4/6/98	4/6/98	4/6/98
Instrument I.D.#:	GC7	GC7	GC7	GC7	GC7
Conc. Spiked:	200 µg/L	200 µg/L	200 µg/L	600 µg/L	500 µg/L
LCS Result:	20	20	21	64	438
LCS % Recov.:	100	100	105	106	88
MS/MSD Control Limits	60-140	60-140	60-140	60-140	60-140
LCS Control Limits	70-130	70-130	70-130	70-130	70-130

SEQUOIA ANALYTICAL
Elap #2142

Mike Gregory
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference