



GETTLER-RYAN INC.

Lab

May 5, 1995

Mark Miller
Chevron USA Products Company
P.O. Box 5004
San Ramon, CA 94583

Re: Chevron Service Station #9-0504
115900 Hesperian Boulevard
San Lorenzo, CA
Job #5259.80

Dear Mr. Miller:

This report documents the quarterly groundwater sampling event performed by Gettler-Ryan (G-R) personnel. On March 30, 1995, field personnel were on-site to gauge and sample eleven wells (C-1 through C-11) at Chevron Service Station #9-0504 located at 15900 Hesperian Boulevard in San Lorenzo, California.

Static groundwater levels were measured on March 30, 1995. All wells were checked for the presence of separate-phase hydrocarbons. Separate-phase hydrocarbons were not present in any of the site wells. Static water level data and groundwater elevations are presented in Table 1. A potentiometric map is included as Figure 1.

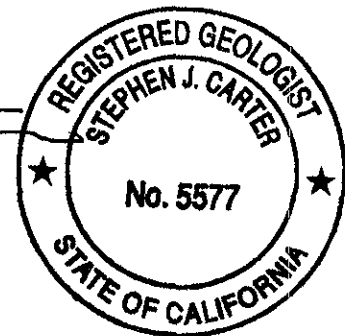
Groundwater samples were collected from the monitoring wells as specified by G-R Standard Operating Procedure - Quarterly Groundwater Sampling (attached). The field data sheets for this event are also attached. The samples were analyzed by Superior Precision Analytical. Analytic results are presented in Table 1. The chain of custody document and laboratory analytic reports are enclosed. G-R is not responsible for laboratory omissions or errors.

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

Respectfully submitted,

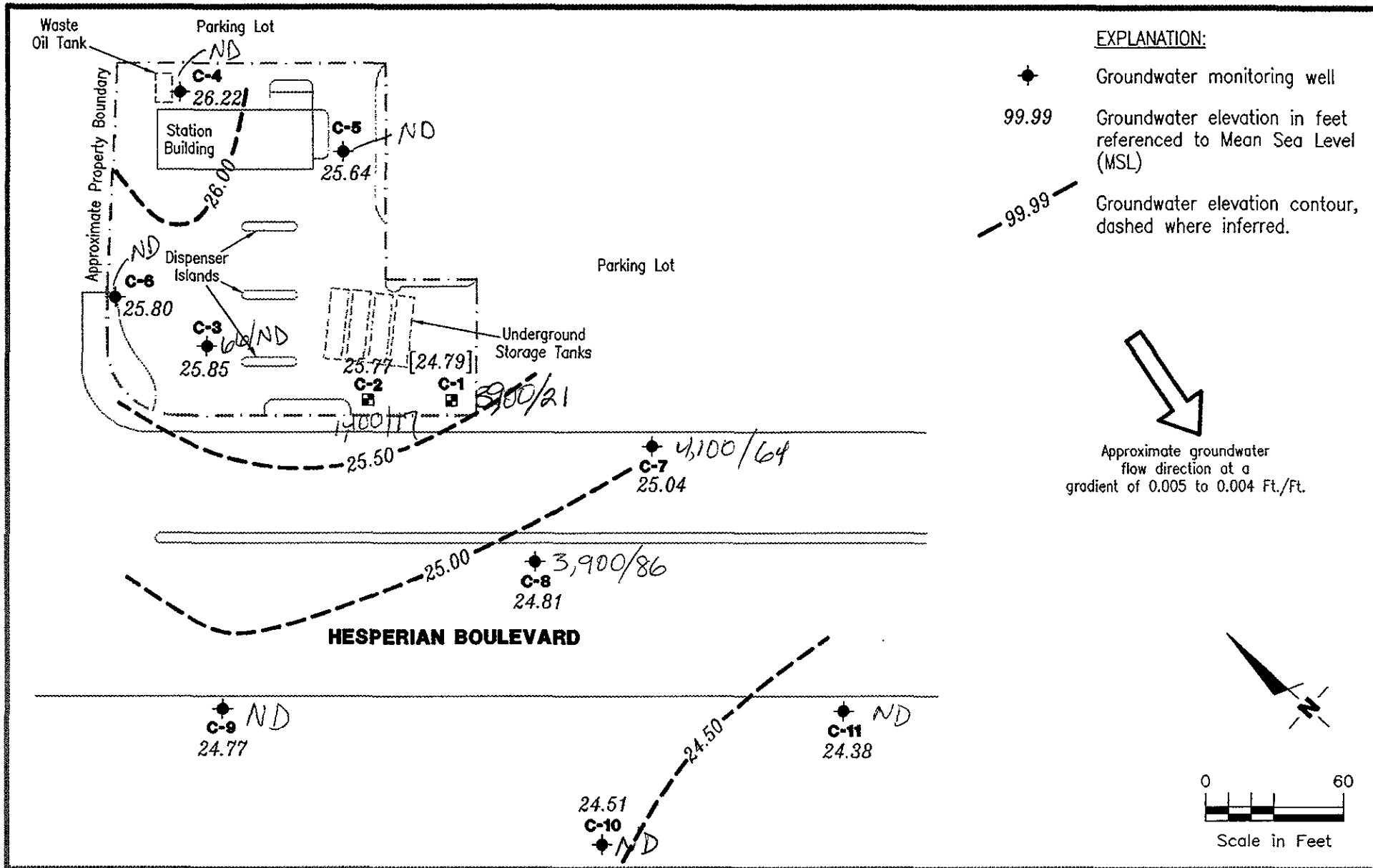
Argy Leyton
Argy Leyton
Environmental Project Manager

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



AML/SJC/aml
5259.QML

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



Gettler - Ryan Inc.

6747 Sierra Ct., Suite J (510) 551-7555
 Dublin, CA 94568

JOB NUMBER
 5259.80

REVIEWED BY
[Signature]

DATE
 March 30, 1995

REVISED DATE

FIGURE

1



Table 1. Water Level Data and Groundwater Analytic Results - Chevron Service Station #9-0504, 115900 Hesperian Boulevard, San Lorenzo, California

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G)	←-----ppb----->					C	HVOCs
							B	T	E	X			
C-1	6/6/89	—	—	0	8015/8020	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	8015/8020	37,000	220	53	53	1,900	—	—	
	6/28/91	12.25	21.68	0	8015/8020	3,300	110	6.2	6.2	350	—	—	
	9/26/91	14.02	19.91	0	8015/8020	3,200	220	6.9	6.9	710	—	—	
	1/27/92	12.63	21.30	0	8015/8020	330	20	0.6	0.6	48	—	—	
	4/20/92	10.43	23.50	0	8015/8020	2,700	130	3.4	3.4	690	—	—	
	7/17/92	12.61	21.32	0	8015/8020	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	8015/8020	240	3.6	<0.5	11	23	—	—
		3/31/94	9.45	23.35	0	8015/8020	530	23	1.2	10	120	—	—
		6/8/94	9.93	22.87	0	8015/8020	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	8015/8020	3,900	21	7.2	190	250	—	—	
C-2	6/6/89	—	—	0	8015/8020	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	8015/8020	1,200,000	4,700	16,000	13,000	140,000	—	—	
	6/28/91	12.55	21.66	0	8015/8020	150,000	3,500	4,200	2,100	16,000	—	—	
	9/26/91	14.20	20.01	0	8015/8020	4,900	220	290	130	880	—	—	
	1/27/92	12.46	21.75	0	8015/8020	8,200	510	590	230	1,300	—	—	
	4/20/92	10.24	23.97	0	8015/8020	19,000	1,700	1,700	930	4,700	—	—	
	7/17/92	12.81	21.40	0	8015/8020	20,000	950	950	1,300	4,700	—	—	
	1/20/93	8.79	25.42	0	8015/8020	—	—	—	—	—	—	—	
	33.46	10/27/93	12.36	21.10	0	8015/8020	1,600	63	5.8	5.9	190	—	—
		3/31/94	9.62	23.84	0	8015/8020	12,000	300	96	510	2,700	—	—
		6/8/94	9.98	23.48	0	8015/8020	8,700	140	35	250	1,500	—	—
		9/28/94 ⁴	—	—	—	—	—	—	—	—	—	—	—
11/9/94 ⁴		—	—	—	—	—	—	—	—	—	—	—	
12/14/94 ⁴		—	—	—	—	—	—	—	—	—	—	—	
	3/30/95	7.69	25.77	0	8015/8020	1,400	17	5.4	52	240	—	—	



Table 1. Water Level Data and Groundwater Analytic Results - Chevron Service Station #9-0504, 115900 Hesperian Boulevard, San Lorenzo, California
(continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G)	←-----ppb----->					HVOCs
							B	T	E	X	C	
C-3	6/6/89	—	—	0	8015/8020	2,600	63	20	390	370	—	—
	12/8/89	—	—	0	8015/8020	680	6.0	1.0	31	58	—	—
35.46 ²	9/7/90	15.31	20.15	0	8015/8020	490	6.0	<0.5	41	120	—	—
(d)	9/7/90	—	—	0	8015/8020	460	6.0	<0.5	40	110	—	—
	12/20/90	15.17	20.29	0	8015/8020	100	5.0	<0.5	27	130	—	—
	3/6/91	13.27	22.19	0	8015/8020	1,300	7.0	<0.5	75	250	—	—
(d)	3/6/91	—	—	0	8015/8020	1,400	8.0	<0.5	76	250	—	—
	6/28/91	13.67	21.79	0	8015/8020	770	6.0	<0.5	81	71	—	—
(d)	6/28/91	—	—	0	8015/8020	990	5.5	<0.5	86	75	—	—
	9/26/91	15.32	20.14	0	8015/8020	1,400	7.9	<0.5	98	340	—	—
	1/27/92	13.91	21.55	0	8015/8020	150	0.7	<0.5	12	12	—	—
	4/20/92	11.66	23.80	0	8015/8020	1,600	9.3	1.0	190	370	—	—
	7/17/92	13.96	21.50	0	8015/8020	460	18	<0.5	20	52	—	—
	10/29/92	15.51	19.95	0	8015/8020	520	2.4	1.0	30	79	—	—
	1/20/93	10.99	24.47	0	8015/8020	4,200	7.4	<0.5	140	380	—	—
	5/3/93	10.97	24.49	0	8015/8020	1,300	6.8	3.2	71	170	—	—
	7/28/93	12.41	23.05	0	8015/8020	220	1.4	<0.5	17	39	—	—
	10/27/93	13.37	21.78	0	8015/8020	1,800	5.5	0.7	68	290	—	—
	3/31/94	11.56 ³	23.90	0	8015/8020	310	1.2	<0.5	19	54	—	—
	6/8/94	12.07	23.39	0	8015/8020	300	2.7	1.6	19	48	—	—
	9/29/94 ⁴	13.84	21.62	0	8015/8020	2,500	<25	<25	<25	220	—	—
	11/9/94 ⁶	—	—	0	8015/8020	170	<0.5	0.8	3.3	16	—	—
	12/14/94	11.85	23.61	0	8015/8020	510	3.2	1.4	28	60	—	—
	3/30/95	9.61	25.85	0	8015/8020	66	<0.5	<0.5	1.1	2.4	—	—
C-4	6/6/89	—	—	0	8015/8020	<50	<0.05	<1.0	<1.0	<3.0	—	—
	12/8/89	—	—	0	8015/8020	<500	<0.5	<0.5	<0.5	<0.5	—	—
35.78 ²	9/7/90	15.58	20.20	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	—	—
	12/20/90	15.42	20.36	0	8015/8020	170	1.0	<0.5	<0.5	4.0	—	—
	3/6/91	13.54	22.24	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	—	—
	6/28/91	13.93	21.85	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.8	—	—
	9/26/91	15.64	20.14	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	—	—
	9/26/91	15.64	—	0	8015/8020	<50	<0.5	<0.5	<0.5	—	—	—
	1/27/92	13.96	21.82	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	—	—
	4/20/92	11.71	24.07	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	—	—
	7/17/92	14.19	21.59	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	—	—
	10/29/92	15.72	20.06	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	—	—
	1/20/93	11.17	24.61	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	—	—



Table 1. Water Level Data and Groundwater Analytic Results - Chevron Service Station #9-0504, 115900 Hesperian Boulevard, San Lorenzo, California
(continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G) <-----	----->					C	HVOCs
							B	T	E	X	ppb		
C-4	5/3/93	10.94	24.84	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
(cont)	7/28/93	12.40	23.38	0	8015/8020	<50	<0.5	<0.5	<0.5	<1.5	---	---	
35.23	10/27/93	13.32	21.91	0	8015/8020	<50	<0.5	<0.5	<0.5	<1.5	---	---	
	3/31/94 ⁴	---	---	---	---	---	---	---	---	---	---	---	
	6/8/94	11.92	23.31	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	9/29/94 ⁵	13.76	21.47	0	8015/8020/8010	<2,500	<25	<25	<25	<25	<0.5	ND ⁷	
	11/9/94 ⁶	---	---	0	8015/8020/8010	<50	<0.5	<0.5	<0.5	<0.5	<0.5	ND ⁷	
	12/14/94	11.79	23.44	0	8015/8020/8010	<50	2.1	3.0	1.9	3.7	1.8	ND ⁷	
	3/30/95	9.01	26.22	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
C-5	6/6/89	---	---	0	8015/8020	<50	<0.05	<0.05	<1.0	<3.0	---	---	
	12/8/89	---	---	0	8015/8020	<500	<0.5	<0.5	<0.5	<0.5	---	---	
35.31 ²	9/7/90	15.10	20.21	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	12/20/90	14.94	20.37	0	8015/8020	80	<0.5	<0.5	<0.5	<0.5	---	---	
	3/6/91	13.06	22.25	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	6/28/91	13.46	21.85	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	9/26/91	15.14	20.17	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	1/27/92	13.31	22.00	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	4/20/92	11.10	24.21	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	7/17/92	13.73	21.58	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	10/29/92	15.20	20.11	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	1/20/93	10.72	24.59	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	5/3/93	10.43	24.88	0	8015/8020	<50	<0.5	<0.5	<0.5	<1.5	---	---	
	7/28/93	11.81	23.50	0	8015/8020	<50	<0.5	<0.5	<0.5	<1.5	---	---	
34.61	10/27/93	12.68	21.93	0	8015/8020	<50	<0.5	<0.5	<0.5	<1.5	---	---	
	3/31/94	11.00 ³	23.61	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	6/8/94	11.26	23.35	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	9/29/94 ⁵	13.10	21.51	0	8015/8020	<2,500	<25	<25	<25	<25	---	---	
	11/9/94 ⁶	---	---	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	12/14/94	11.37	23.24	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	3/30/95	8.97	25.64	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
C-6	12/8/89	---	---	0	8015/8020	<500	<0.5	<0.5	<0.5	<0.5	---	---	
36.89 ²	9/7/90	16.83	20.06	0	8015/8020	57	<0.5	<0.5	0.6	4.0	---	---	
	12/20/90	16.66	20.23	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	3/6/91	14.80	22.09	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	6/28/91	15.16	21.73	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	9/26/91	16.82	20.07	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	



Table 1. Water Level Data and Groundwater Analytic Results - Chevron Service Station #9-0504, 115900 Hesperian Boulevard, San Lorenzo, California
(continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G) <-----	ppb----->					C	HVOCs
							B	T	E	X			
C-6 (cont)	1/27/92	15.44	21.45	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	4/20/92	13.17	23.72	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	7/17/92	15.44	21.45	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	10/29/92	16.98	19.91	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	1/20/93	12.47	24.42	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	5/3/93	---	---	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	7/28/93	13.86	23.03	0	8015/8020	<50	<0.5	<0.5	<0.5	<1.5	---	---	
	10/27/93	14.85	21.72	0	8015/8020	<50	<0.5	<0.5	<0.5	<1.5	---	---	
	3/31/94	13.00	23.57	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	6/8/94	13.44	23.13	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
36.57	9/29/94 ⁵	14.88	21.69	0	8015/8020	<2,500	<25	<25	<25	<25	---	---	
	11/9/94 ⁶	---	---	0	8015/8020	<50	<0.5	0.5	<0.5	<0.5	---	---	
	12/14/94	12.99	23.58	0	8015/8020	<50	0.9	1.5	1.3	2.6	---	---	
	3/30/95	10.77	25.80	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	C-7 32.75 ²	12/8/89	---	---	0	8015/8020	1,700	32	12	17	150	---	---
		9/7/90	13.02	19.73	0	8015/8020	880	84	23	46	180	---	---
		12/20/90	12.28	20.47	0	8015/8020	560	24	3.0	19	21	---	---
3/6/91		16.92	15.83	0	8015/8020	240	25	2.0	4.0	26	---	---	
6/28/91		11.31	21.44	0	8015/8020	2,400	130	13	82	220	---	---	
9/26/91		12.28	20.47	0	8015/8020	8,100	47	35	350	1,200	---	---	
1/27/92		11.43	21.32	0	8015/8020	12,000	170	40	420	830	---	---	
4/20/92		9.28	23.47	0	8015/8020	1,200	80	11	90	110	---	---	
7/17/92		11.49	21.26	0	8015/8020	2,400	20	7.4	95	200	---	---	
10/29/92		13.05	19.70	0	8015/8020	69	1.3	<0.5	3.8	7.2	---	---	
32.32	1/20/93	8.69	24.06	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	5/3/93	8.68	24.07	0	8015/8020	2,400	29	8.6	140	210	---	---	
	7/28/93	9.99	22.76	0	8015/8020	3,600	38	16	290	920	---	---	
	10/27/93	10.72	21.60	0	8015/8020	22,000	23	26	990	2,600	---	---	
	3/31/94	9.11	23.21	0	8015/8020	2,300	45	7.0	130	190	---	---	
	6/8/94	9.22	23.10	0	8015/8020	6,900	46	11	380	820	---	---	
	9/29/94	11.32	21.00	0	8015/8020	11,000	10	11	620	810	---	---	
	11/9/94 ⁶	---	---	0	8015/8020	7,800	33	18	570	1,100	---	---	
	12/14/94	8.99	23.33	0	8015/8020	7,700	63	16	140	1,200	---	---	
	3/30/95	7.28	25.04	0	8015/8020	4,100	64	18	170	280	---	---	
C-8 33.82 ²	12/8/89	---	---	0	8015/8020	4,800	62	11	95	180	---	---	
	9/7/90	14.32	19.50	0	8015/8020	3,700	170	31	180	270	---	---	



Table 1. Water Level Data and Groundwater Analytic Results - Chevron Service Station #9-0504, 115900 Hesperian Boulevard, San Lorenzo, California
(continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G)						HVOCs	
						←-----ppb----->							
C-8 (cont)	12/20/90	14.20	19.61	0	8015/8020	3,900	120	20	130	180	---	---	
	3/6/91	14.80	19.02	0	8015/8020	1,200	45	6.0	34	57	---	---	
	6/28/91	12.65	21.17	0	8015/8020	6,900	180	46	340	640	---	---	
	9/26/91	14.29	19.53	0	8015/8020	1,400	66	9.8	38	40	---	---	
	1/27/92	12.60	21.22	0	8015/8020	3,600	100	26	170	260	---	---	
	4/20/92	10.36	23.46	0	8015/8020	2,600	110	32	180	260	---	---	
	7/17/92	12.88	20.94	0	8015/8020	1,100	34	5.9	35	52	---	---	
	10/29/92	14.39	19.43	0	8015/8020	820	29	4.8	23	27	---	---	
	1/20/93	10.02	23.80	0	8015/8020	6,000	81	22	200	310	---	---	
	5/3/93	9.75	24.07	0	8015/8020	11,000	75	96	880	2,600	---	---	
	7/28/93	11.14	22.68	0	8015/8020	2,800	60	13	92	150	---	---	
	33.25	10/27/93	12.01	21.24	0	8015/8020	2,700	49	17	60	90	---	---
		3/31/94	10.27	22.98	0	8015/8020	190	8.6	1.7	9.1	11	---	---
		6/8/94	10.56	22.69	0	8015/8020	2,800	52	110	78	110	---	---
		9/29/94	12.42	20.83	0	8015/8020	3,700	120	20	120	85	---	---
11/9/94 ⁶		---	---	0	8015/8020	3,200	82	44	160	110	---	---	
12/14/94		10.51	22.74	0	8015/8020	5,300	140	30	170	310	---	---	
3/30/95	8.44	24.81	0	8015/8020	3,900	86	19	180	210	---	---		
C-9/ 33.43 ²	9/7/90	14.06	19.37	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	12/20/90	14.03	19.40	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	3/6/91	12.12	21.31	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	6/28/91	12.41	21.02	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	9/26/91	14.02	19.41	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	1/27/92	12.53	20.90	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	4/20/92	10.22	23.21	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	7/17/92	12.64	20.79	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	10/29/92	14.20	19.23	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	1/20/93	9.72	23.71	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	5/3/93	9.55	23.66	0	8015/8020	<50	<0.5	<0.5	<0.5	<1.5	---	---	
	7/28/93	10.98	22.45	0	8015/8020	<50	<0.5	<0.5	<0.5	<1.5	---	---	
	32.97	10/27/93	11.98	20.99	0	8015/8020	<50	<0.5	<0.5	<0.5	<1.5	---	---
		3/31/94	10.17	22.80	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
		6/8/94	10.53	22.44	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
		9/29/94 ⁵	12.40	20.57	0	8015/8020	<5,000	<50	<50	<50	<50	---	---
		11/9/94 ⁶	---	---	0	8015/8020	<50	<0.5	<0.5	<0.5	0.7	---	---
12/14/94		10.49	22.48	0	8015/8020	69	1.1	2.2	3.4	7.8	---	---	



Table 1. Water Level Data and Groundwater Analytic Results - Chevron Service Station #9-0504, 115900 Hesperian Boulevard, San Lorenzo, California
(continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G) <-----	B	T	----->			HVOCs
									E	X	C	
C-9 (cont)	3/30/95	8.20	24.77	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	—	—
C-10/ 31.63 ²	9/7/90	12.49	19.14	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	—	—
	12/20/90	12.36	19.27	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	—	—
	3/6/91	10.45	21.18	0	8015/8020	<50	<0.5	0.8	<0.5	0.8	—	—
	6/28/91	10.74	20.69	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	—	—
	9/26/91	12.42	19.21	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	—	—
	1/27/92	10.84	20.79	0	8015/8020	<50	<0.5	1.3	<0.5	<0.5	—	—
(d)	1/27/92	—	—	0	8015/8020	<50	<0.5	1.3	<0.5	<0.5	—	—
	4/20/92	8.55	23.06	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	—	—
	7/17/92	11.02	20.61	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	—	—
	10/29/92	12.40	19.23	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	—	—
	1/20/93	8.14	23.49	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	—	—
	5/3/93	7.92	23.71	0	8015/8020	<50	<0.5	<0.5	<0.5	<1.5	—	—
	7/28/93	9.36	22.27	0	8015/8020	<50	<0.5	<0.5	<0.5	<1.5	—	—
31.16	10/27/93	10.30	20.86	0	8015/8020	<50	<0.5	<0.5	<0.5	<1.5	—	—
	3/31/94	8.45	22.71	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	—	—
	6/8/94	8.85	22.31	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	—	—
	9/29/94 ⁵	10.70	20.46	0	8015/8020	<5,000	<50	<50	<50	<50	—	—
	11/9/94 ⁶	—	—	0	8015/8020	<50	<0.5	1.4	0.8	1.2	—	—
	12/14/94	8.61	22.55	0	8015/8020	110	3.9	5.4	4.3	11	—	—
	3/30/95	6.65	24.51	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	—	—
C-11/ 31.58 ²	9/7/90	12.22	19.36	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	—	—
	12/20/90	12.08	19.50	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	—	—
	3/6/91	16.15	15.43	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	—	—
	6/28/91	10.52	21.06	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	—	—
	9/26/91	12.20	19.38	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	—	—
	1/27/92	10.73	20.85	0	8015/8020	<50	<0.5	0.8	<0.5	<0.5	—	—
	4/20/92	8.56	23.02	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	—	—
	7/17/92	10.78	20.80	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	—	—
	10/29/92	12.07	19.51	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	—	—
	1/20/93	7.97	21.61	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	—	—
	5/3/93	7.95	23.63	0	8015/8020	<50	<0.5	<0.5	<0.5	<1.5	—	—
	7/28/93	9.31	22.27	0	8015/8020	<50	<0.5	<0.5	<0.5	<1.5	—	—



Table 1. Water Level Data and Groundwater Analytic Results - Chevron Service Station #9-0504, 115900 Hesperian Boulevard, San Lorenzo, California
(continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G)	B	T	E	X	C	HVOCs
						←-----ppb----->						
C-11 (cont)												
31.23	10/27/93	10.17	21.06	0	8015/8020	<50	<0.5	<0.5	<0.5	<1.5	---	---
	3/31/94	8.43	22.80	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
	6/8/94	8.76	22.47	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
	9/29/94	10.54	20.69	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
	11/9/94	---	---	0	8015/8020	<50	<0.5	0.6	<0.5	0.7	---	---
	12/14/94	8.50	22.73	0	8015/8020	51	1.1	1.7	1.6	4.0	---	---
	3/30/95	6.85	24.38	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
Trip Blank												
	9/7/90	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
	12/20/90	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
	3/6/91	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
	6/28/91	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
	9/26/91	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
	1/27/92	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
	4/20/92	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
	7/17/92	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
	10/29/92	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
	1/20/93	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
	5/3/93	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<1.5	---	---
	7/28/93	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<1.5	---	---
	10/27/93	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<1.5	---	---
	3/31/94	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
	6/8/94	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
	11/9/94	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
	12/14/94	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
	3/30/95	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
DTSC MCLs	---	---	---	---	---	NE	1.0	100	680	1,750	---	---



Table 1. Water Level Data and Groundwater Analytic Results - Chevron Service Station #9-0504, 115900 Hesperian Boulevard, San Lorenzo, California
(continued)

EXPLANATION:

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

ANALYTIC METHODS:

8015 = EPA Method 8015/5030 for TPPH(G)
8020 = EPA Method 8020 for BTEX
8010 = EPA Method 8010 for HVOCs

NOTES:

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

Data from June 6, 1989 to July 28, 1993 presented in Groundwater Technology, Inc., September 21, 1993 report.

DTSC recommended action level for drinking water; MCL not established

- 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.



STANDARD OPERATING PROCEDURE QUARTERLY GROUNDWATER SAMPLING

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

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

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

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

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

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

As requested by Chevron USA Products Company, the purge and decontamination water generated during sampling activities is taken to Chevron's Richmond Refinery for disposal.

GETTLER-RYAN INC.

General and Environmental Contractors

WELL SAMPLING FIELD DATA SHEET

COMPANY Chevron # 9-0504 JOB # 5259
 LOCATION 15900 Hesperian DATE 3-30-95
 CITY San Lorenzo CA TIME _____

Well ID. C-1 Well Condition okay
 Well Diameter 3" in. Hydrocarbon Thickness - ft.

Total Depth 1814 ft.
 Depth to Liquid- 8.01 ft.

Volume Factor (VF)	2" = 0.17	6" = 1.50	12" = 5.80
	3" = 0.38	8" = 2.60	
	4" = 0.66	10" = 4.10	

(# of casing volumes) 3 x 10.39 x (VF) 0.38 = (Estimated Purge Volume) 4.12 gal.

Purging Equipment Suction
 Sampling Equipment Disposable Bailer

Starting Time 4:52 Purging Flow Rate _____ gpm.
 (Estimated Purge Volume) _____ gal. / (Purging Flow Rate) _____ gpm. = (Anticipated Purging Time) _____ min.

Time	pH	Conductivity	Temperature	Volume
<u>4:54</u>	<u>6.88</u>	<u>751</u>	<u>61.4</u>	<u>4</u>
<u>4:56</u>	<u>6.82</u>	<u>854</u>	<u>65.14</u>	<u>8</u>
<u>4:58</u>	<u>6.83</u>	<u>859</u>	<u>65.1</u>	<u>12</u>

Did well dewater? No If yes, time _____ Volume _____
 Sampling Time 5:03 Weather Conditions okay
 Analysis Gas BTEX Bottles Used 3 x 40ml VOA
 Chain of Custody Number _____

COMMENTS Pump in well Pump removed for sampling
Returned after purging purging & sampling
 FOREMAN M. G. Miller ASSISTANT _____

GETTLER-RYAN INC.

General and Environmental Contractors

WELL SAMPLING FIELD DATA SHEET

COMPANY Chevron # 9-0504 JOB # 5259
LOCATION 15900 Hesperian DATE 3-30-95
CITY San Lorenzo CA TIME _____

Well ID. C-2 Well Condition okay
Well Diameter 3" in. Hydrocarbon Thickness _____ ft.

Total Depth 20' ft.
Depth to Liquid- 7.69 ft.

Volume Factor (VF)	2" = 0.17	6" = 1.50	12" = 5.80
	3" = 0.38	8" = 2.60	
	4" = 0.66	10" = 4.10	

(# of casing volumes) 3 x 12 31 x(VF) 0.38 = (Estimated Purge Volume) 4.6 17 gal.

Purging Equipment Suction
Sampling Equipment Disposable Bailor

Starting Time 5:12 Purging Flow Rate _____ gpm.
(Estimated Purge Volume) _____ gal. / (Purging Flow Rate) _____ gpm. = (Anticipated Purging Time) _____ min.

Time	pH	Conductivity	Temperature	Volume
<u>5:14</u>	<u>7.30</u>	<u>950</u>	<u>67.1</u>	<u>5</u>
<u>5:16</u>	<u>7.06</u>	<u>550</u>	<u>63.6</u>	<u>10</u>
<u>5:18</u>	<u>7.03</u>	<u>560</u>	<u>63.4</u>	<u>15</u>

Did well dewater? No If yes, time _____ Volume _____

Sampling Time 5:21 Weather Conditions Clear

Analysis Gas BTEX Bottles Used 3x40ml UOB

Chain of Custody Number _____

COMMENTS Pump in well, pulled out & returned after Purging & Sampling
FOREMAN _____ ASSISTANT _____

GETTLER-RYAN INC.

General and Environmental Contractors

WELL SAMPLING FIELD DATA SHEET

COMPANY Chevron # 9-0504 JOB # 6259
 LOCATION 15900 Hasporian DATE 3-30-95
 CITY San Lorenzo TIME _____

Well ID. C-3 Well Condition dry
 Well Diameter 3" in. Hydrocarbon Thickness - ft.
 Total Depth 19.0 ft.
 Depth to Liquid- 9.61 ft.

Volume Factor (VF)	2" = 0.17	6" = 1.50	12" = 5.80
	3" = 0.38	8" = 2.60	
	4" = 0.66	10" = 4.10	

 (# of casing volumes) 3 x 4.39 x (VF) 0.38 = (Estimated Purge Volume) 3.5 10.7 gal.

Purging Equipment Suction
 Sampling Equipment Disposable Bore

Starting Time 4:10 Purging Flow Rate _____ gpm.
 (Estimated Purge Volume) _____ gal. / (Purging Flow Rate) _____ gpm. = (Anticipated Purging Time) _____ min.

Time	pH	Conductivity	Temperature	Volume
<u>4:12</u>	<u>6.89</u>	<u>1083</u>	<u>67.3</u>	<u>4</u>
<u>4:14</u>	<u>6.87</u>	<u>1121</u>	<u>63.1</u>	<u>8</u>
<u>4:16</u>	<u>6.88</u>	<u>1130</u>	<u>63.4</u>	<u>12</u>

Did well dewater? No If yes, time _____ Volume _____
 Sampling Time 4:20 Weather Conditions Okay
 Analysis Cons BTVR Bottles Used 3x 40ml UCA
 Chain of Custody Number _____

COMMENTS _____
 FOREMAN AMH ASSISTANT _____

GETTLER-RYAN INC.

General and Environmental Contractors

WELL SAMPLING FIELD DATA SHEET

COMPANY Chevron # 9-0504 JOB # 5259
 LOCATION 15900 Hesperian Blvd DATE 3-29-95
 CITY San Lorenzo CA TIME _____

Well ID. C-4 Well Condition Okay
 Well Diameter 3" in. Hydrocarbon Thickness — ft.
 Total Depth 14.75 ft.

Volume Factor (VF)	2" = 0.17	6" = 1.50	12" = 5.80
	3" = 0.38	8" = 2.60	
	4" = 0.66	10" = 4.10	

 Depth to Liquid- 9.01 ft.
 (# of casing volumes) 3 x 10.74 x (VF) 0.38 = (Estimated Purge Volume) 4.1 12.3 gal.
 Purging Equipment Suction
 Sampling Equipment Disposable Baiter

Starting Time 13:08 Purging Flow Rate _____ gpm.
 (Estimated Purge Volume) _____ gal. / (Purging Flow Rate) _____ gpm. = (Anticipated Purging Time) _____ min.

Time	pH	Conductivity	Temperature	Volume
<u>13:10</u>	<u>7.08</u>	<u>1389</u>	<u>68.4</u>	<u>4.2</u>
<u>13:12</u>	<u>7.02</u>	<u>1370</u>	<u>68.6</u>	<u>8.9</u>
<u>13:14</u>	<u>7.08</u>	<u>1378</u>	<u>68.7</u>	<u>12.6</u>
<u>13:19</u>	<u>7.02</u>	<u>1375</u>	<u>68.6</u>	<u>13</u>

Did well dewater? NO If yes, time _____ Volume _____
 Sampling Time 13:19 Weather Conditions Sunny Windy
 Analysis Gas A-143 Bottles Used 3x40ml VOA
 Chain of Custody Number _____

COMMENTS _____
 FOREMAN Stall ASSISTANT _____

GETTLER-RYAN INC.

General and Environmental Contractors

WELL SAMPLING FIELD DATA SHEET

COMPANY Chevron # 9-0504 JOB # 5259
LOCATION #15900 Hesperia Blvd DATE 3-24-93
CITY San Lorenzo CA TIME _____

Well ID. C-5 Well Condition okay
Well Diameter 3" in. Hydrocarbon Thickness 0 ft.

Total Depth 18.5 ft.
Depth to Liquid- 8.98 ft.

Volume Factor (VF)	2" = 0.17	6" = 1.50	12" = 5.80
	3" = 0.38	8" = 2.60	
	4" = 0.66	10" = 4.10	

(# of casing volumes) 3 x 11.53 x (VF) 0.38 = (Estimated Purge Volume) 3.6 10.8 gal.

Purging Equipment Suction
Sampling Equipment Disposable

Starting Time 3:41 Purging Flow Rate _____ gpm.
(Estimated Purge Volume) _____ gal. / (Purging Flow Rate) _____ gpm. = (Anticipated Purging Time) _____ min.

Time	pH	Conductivity	Temperature	Volume
<u>3:43</u>	<u>6.88</u>	<u>1092</u>	<u>65.2</u>	<u>4</u>
<u>3:45</u>	<u>6.84</u>	<u>1128</u>	<u>65.7</u>	<u>8</u>
<u>3:47</u>	<u>6.85</u>	<u>1127</u>	<u>65.3</u>	<u>12</u>

Did well dewater? No If yes, time _____ Volume _____

Sampling Time 3:50 Weather Conditions _____

Analysis low BVP Bottles Used 3x40ml

Chain of Custody Number _____

COMMENTS _____

FOREMAN M. White ASSISTANT _____

GETTLER-RYAN INC.

General and Environmental Contractors

WELL SAMPLING FIELD DATA SHEET

COMPANY Chevron # 9-0504 JOB # 5259
 LOCATION 15900 Hesperian DATE 3-30-95
 CITY San Lorenzo TIME _____

Well ID. C-6 Well Condition okay
 Well Diameter 3" in. Hydrocarbon Thickness — ft.
 Total Depth 23.5 ft.
 Depth to Liquid- 10.77 ft.

Volume Factor (VF)	2" = 0.17	6" = 1.50	12" = 5.80
	3" = 0.38	8" = 2.60	
	4" = 0.66	10" = 4.10	

 (# of casing volumes) 3 x 12.73 x (VF) 0.17 = (Estimated Purge Volume) 2.3 6.5 gal.
 Purging Equipment Suction
 Sampling Equipment Disposable Bailer

Starting Time 3:53 Purging Flow Rate _____ gpm.
 (Estimated Purge Volume) _____ gal. / (Purging Flow Rate) _____ gpm. = (Anticipated Purging Time) _____ min.

Time	pH	Conductivity	Temperature	Volume
<u>3:55</u>	<u>6.68</u>	<u>1250</u>	<u>64.9</u>	<u>2.2</u>
<u>3:57</u>	<u>6.80</u>	<u>1275</u>	<u>65.2</u>	<u>4.4</u>
<u>3:59</u>	<u>6.81</u>	<u>1273</u>	<u>65.3</u>	<u>6.6</u>

Did well dewater? No If yes, time _____ Volume _____
 Sampling Time 4:03 Weather Conditions okay
 Analysis Gas BTX# Bottles Used 3x40ml VOA
 Chain of Custody Number _____

COMMENTS Replaced cap & lock
top 3" of well cap Broken off

FOREMAN _____ ASSISTANT _____

GETTLER-RYAN INC.

General and Environmental Contractors

WELL SAMPLING FIELD DATA SHEET

COMPANY Chevron #9-0504 JOB # 5259
LOCATION 15900 Hesperian DATE 3-30-95
CITY San Lorenzo TIME _____

Well ID. C-7 Well Condition okay
Well Diameter 2" in. Hydrocarbon Thickness - ft.

Total Depth 24.5 ft.
Depth to Liquid- 7.28 ft.

Volume Factor (VF)	2" = 0.17	6" = 1.50	12" = 5.80
	3" = 0.38	8" = 2.60	
	4" = 0.66	10" = 4.10	

(# of casing volumes) 3 x 17.22 x (VF) 0.17 = (Estimated Purge Volume) 2.9 gal.

Purging Equipment Suction
Sampling Equipment Disposable Barler

Starting Time 4:26 Purging Flow Rate _____ gpm.
(Estimated Purge Volume) _____ gal. / (Purging Flow Rate) _____ gpm. = (Anticipated Purging Time) _____ min.

Time	pH	Conductivity	Temperature	Volume
<u>4:28</u>	<u>6.90</u>	<u>594</u>	<u>64.6</u>	<u>3</u>
<u>4:30</u>	<u>6.96</u>	<u>783</u>	<u>65.1</u>	<u>6</u>
<u>4:32</u>	<u>6.92</u>	<u>785</u>	<u>65.3</u>	<u>9</u>
<u>4:35</u>	<u>6.90</u>	<u>740</u>	<u>65.2</u>	<u>9.5</u>

Did well dewater? No If yes, time _____ Volume _____

Sampling Time 4:35 Weather Conditions clear

Analysis Lead BTX Bottles Used 3x40ml VOA

Chain of Custody Number _____

COMMENTS _____

FOREMAN [Signature] ASSISTANT _____

GETTLER-RYAN INC.

General and Environmental Contractors

WELL SAMPLING FIELD DATA SHEET

COMPANY Chevron #9-0504 JOB # 5259
 LOCATION 15900 Hesperian DATE 3-29-95
 CITY San Lorenzo CA TIME _____

Well ID. C-8 Well Condition okay
 Well Diameter 2" in. Hydrocarbon Thickness — ft.
 Total Depth 24.50 ft.
 Depth to Liquid- 8.44 ft.

Volume Factor (VF)	2" = 0.17	6" = 1.50	12" = 5.80
	3" = 0.38	8" = 2.60	
	4" = 0.66	10" = 4.10	

 (# of casing volumes) 3 x 16.06 x (VF) 0.17 = (Estimated Purge Volume) 2.7 gal.
 Purging Equipment Suction
 Sampling Equipment Disposable Bag

Starting Time 14:10 Purging Flow Rate _____ gpm.
 (Estimated Purge Volume) _____ gal. / (Purging Flow Rate) _____ gpm. = (Anticipated Purging Time) _____ min.

Time	pH	Conductivity	Temperature	Volume
<u>14:12</u>	<u>7.15</u>	<u>1113</u>	<u>68.2</u>	<u>3</u>
<u>14:14</u>	<u>7.09</u>	<u>1162</u>	<u>69.3</u>	<u>6</u>
<u>14:16</u>	<u>7.00</u>	<u>1173</u>	<u>69.3</u>	<u>9</u>
<u>14:20</u>	<u>7.02</u>	<u>1160</u>	<u>69.2</u>	<u>9.5</u>

Did well dewater? N/A If yes, time _____ Volume _____
 Sampling Time 14:20 Weather Conditions Sunny
 Analysis Gas BIVL Bottles Used 3x100ml NBP
 Chain of Custody Number _____

COMMENTS _____
 FOREMAN [Signature] ASSISTANT _____

GETTLER-RYAN INC.

General and Environmental Contractors

WELL SAMPLING FIELD DATA SHEET

COMPANY Chevron #90504 JOB # 5259
LOCATION 15900 Hesperian DATE 3-29-95
CITY San Lorenzo TIME _____

Well ID. C-9 Well Condition okay
Well Diameter 2" in. Hydrocarbon Thickness _____ ft.

Total Depth 24.5 ft.
Depth to Liquid- 8.20 ft.

Volume Factor (VF)	2" = 0.17	6" = 1.50	12" = 5.80
	3" = 0.38	8" = 2.60	
	4" = 0.66	10" = 4.10	

(# of casing volumes) 3 x 16.30 x (VF) 0.17 = (Estimated Purge Volume) 2.78 gal. 8.3 gal.

Purging Equipment Suction
Sampling Equipment Disposable Bailor

Starting Time 13:59 Purging Flow Rate _____ gpm.
(Estimated Purge Volume) _____ gal. / (Purging Flow Rate) _____ gpm. = (Anticipated Purging Time) _____ min.

Time	pH	Conductivity	Temperature	Volume
<u>13:01</u>	<u>7.44</u>	<u>344</u>	<u>67.8</u>	<u>3</u>
<u>14:03</u>	<u>7.39</u>	<u>186</u>	<u>64.8</u>	<u>6</u>
<u>14:05</u>	<u>7.28</u>	<u>182</u>	<u>64.3</u>	<u>9</u>
<u>14:09</u>	<u>7.30</u>	<u>184</u>	<u>64.5</u>	<u>9.5</u>

Did well dewater? Ne If yes, time _____ Volume _____

Sampling Time 14:09 Weather Conditions okay

Analysis Gas BVE Bottles Used 3 x 40ml

Chain of Custody Number _____

COMMENTS _____

FOREMAN Matti ASSISTANT _____

GETTLER-RYAN INC.

General and Environmental Contractors

WELL SAMPLING FIELD DATA SHEET

COMPANY Chevron #9-C504 JOB # 5259
 LOCATION 15900 Hesperian DATE 3-29-95
 CITY San Lorenzo CA TIME _____

Well ID. C-10 Well Condition okay
 Well Diameter 2" in. Hydrocarbon Thickness _____ ft.
 Total Depth 24.5 ft.
 Depth to Liquid- 6.65 ft.

Volume Factor (VF)	2" = 0.17	6" = 1.50	12" = 5.80
	3" = 0.38	8" = 2.60	
	4" = 0.66	10" = 4.10	

 (# of casing volumes) 3 x 17.85 x (VF) 0.17 = (Estimated Purge Volume) 3 9.1 gal.
 Purging Equipment Suction
 Sampling Equipment Disposable Bailer

Starting Time 13:46 Purging Flow Rate _____ gpm.
 (Estimated Purge Volume) _____ gal. / (Purging Flow Rate) _____ gpm. = (Anticipated Purging Time) _____ min.

Time	pH	Conductivity	Temperature	Volume
<u>13:48</u>	<u>6.92</u>	<u>1137</u>	<u>68.1</u>	<u>3</u>
<u>13:50</u>	<u>6.90</u>	<u>1159</u>	<u>69.0</u>	<u>6</u>
<u>13:52</u>	<u>6.88</u>	<u>1160</u>	<u>69.3</u>	<u>9</u>
<u>13:55</u>	<u>6.80</u>	<u>1157</u>	<u>69.4</u>	<u>9.5</u>

Did well dewater? No If yes, time _____ Volume _____
 Sampling Time 13:55 Weather Conditions _____
 Analysis Gas BTEX Bottles Used _____
 Chain of Custody Number _____

COMMENTS _____
 FOREMAN [Signature] ASSISTANT _____

GETTLER-RYAN INC.

General and Environmental Contractors

WELL SAMPLING FIELD DATA SHEET

COMPANY Chevron # 9-0504 JOB # 5259
 LOCATION 15900 Hesperian DATE 3-29-95
 CITY San Lorenzo CA TIME _____

Well ID. C-11 Well Condition okay
 Well Diameter 2" in. Hydrocarbon Thickness — ft.
 Total Depth 24.5 ft.
 Depth to Liquid- 6.85 ft.

Volume Factor (VF)	2" = 0.17	6" = 1.50	12" = 5.80
	3" = 0.38	8" = 2.60	
	4" = 0.66	10" = 4.10	

 (# of casing volumes) 3 x 17.65 x (VF) 0.17 = (Estimated Purge Volume) 39 gal.
 Purging Equipment Suction
 Sampling Equipment Disposable Bailer

Starting Time 13:32 Purging Flow Rate _____ gpm.
 (Estimated Purge Volume) _____ gal. / (Purging Flow Rate) _____ gpm. = (Anticipated Purging Time) _____ min.

Time	pH	Conductivity	Temperature	Volume
<u>13:34</u>	<u>7.60</u>	<u>735</u>	<u>67.2</u>	<u>3</u>
<u>13:36</u>	<u>7.37</u>	<u>716</u>	<u>67.1</u>	<u>6</u>
<u>13:38</u>	<u>7.30</u>	<u>720</u>	<u>67.2</u>	<u>9</u>
<u>13:42</u>	<u>7.32</u>	<u>721</u>	<u>67.1</u>	<u>9.5</u>

Did well dewater? NO If yes, time _____ Volume _____
 Sampling Time 13:42 Weather Conditions Sunny clear
 Analysis Gas 1342 Bottles Used 3 x 90ml VOA
 Chain of Custody Number _____

COMMENTS _____
 FOREMAN [Signature] ASSISTANT _____

Chevron Facility Number: 9-0504
 Facility Address: 15900 Hesperian Blvd San Ramon
 Consultant Project Number: 525980
 Consultant Name: Gettler-Ryan
 Address: 6747 Sierra Ct, Ste J, Dublin 94568
 Project Contact (Name): Argy Leyton
 (Phone): 510 551-7555 (Fax Number): 510 551-7888

Chevron Contact (Name): Mark Miller
 (Phone): 842 8134
 Laboratory Name: Superior
 Laboratory Release Number: 2719270
 Samples Collected by (Name): Frank Cline
 Collection Date: 3-29-95 13:30-95
 Signature: [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										Remarks	
								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)				
C-4 TB-B		2	W	TB	-	HCL	Y	X											DO NOT BILL TB-CB
C-5		3		G	350														ANALYZE
C-4					1319														
C-6					403														
C-11					1392														
C-10					1355														
C-9					1409														
C-3					420														
C-1					503														
C-8					1426														
C-7					435														
C-2					521														

Relinquished By (Signature): <u>[Signature]</u>	Organization: <u>CO/R</u>	Date/Time: <u>10:00 3-30-95</u>	Received By (Signature): <u>[Signature]</u>	Organization: <u>AERO 602</u>	Date/Time: <u>10:00 3-30-95</u>
Relinquished By (Signature): <u>[Signature]</u>	Organization: <u>AERO 602</u>	Date/Time: <u>11:05 3-30-95</u>	Received By (Signature): <u>[Signature]</u>	Organization: <u>[Blank]</u>	Date/Time: <u>[Blank]</u>
Relinquished By (Signature): <u>[Signature]</u>	Organization: <u>[Blank]</u>	Date/Time: <u>[Blank]</u>	Received For Laboratory By (Signature): <u>[Signature]</u>	Date/Time: <u>3/30/95 11:05</u>	

Turn Around Time (Circle Choice)

24 Hrs.
 48 Hrs.
 5 Days
 10 Days
 As Contracted

3/30/95

S:\CUMUL\001\1101



Superior Precision Analytical, Inc.

A member of ESSCON Environmental Support Service Consortium

GETTLER RYAN INC.
6747 SIERRA CT, SUITE G
DUBLIN, CA 94568

Date: April 11, 1995

Attn: ARGY LEYTON

Laboratory Number : 81008

Project Number/Name : 5259.80

This report has been reviewed and
approved for release.

Christine Horn for
Senior Chemist
Account Manager

Certified Laboratories

825 Arnold Dr., Suite 114
Martinez, California 94553
(510) 229-1512 / fax (510) 229-1526

1555 Burke St., Unit I
San Francisco, California 94124
(415) 647-2081 / fax (415) 821-7123

309 S. Cloverdale St., Suite B-24
Seattle, Washington 98108
(206) 763-2997 / fax (206) 763-8429



Superior Precision Analytical, Inc.

A member of ESSCON Environmental Support Service Consortium

GETTLER RYAN INC.
Attn: ARGY LEYTON

Project 5259.80
Reported on April 11, 1995

Gasoline Range Petroleum Hydrocarbons and BTXE
by EPA SW-846 5030/8015M/8020
Gasoline Range quantitated as all compounds from C6-C10

Chronology

Laboratory Number 81008

Sample ID	Sampled	Received	Extract.	Analyzed	QC Batch	LAB #
TB-LB	03/29/95	03/30/95	04/06/95	04/06/95	BD061.19	01
C-5	03/29/95	03/30/95	04/06/95	04/06/95	BD061.19	02
C-4	03/29/95	03/30/95	04/06/95	04/06/95	BD061.19	03
C-6	03/29/95	03/30/95	04/06/95	04/06/95	BD061.19	04
C-11	03/29/95	03/30/95	04/06/95	04/06/95	BD061.19	05
C-10	03/29/95	03/30/95	04/06/95	04/06/95	BD061.19	06
C-9	03/29/95	03/30/95	04/06/95	04/06/95	BD061.19	07
C-3	03/29/95	03/30/95	04/06/95	04/06/95	BD061.19	08
C-1	03/29/95	03/30/95	04/06/95	04/06/95	BD061.19	09
C-8	03/29/95	03/30/95	04/06/95	04/06/95	BD061.19	10
C-7	03/29/95	03/30/95	04/06/95	04/06/95	BD061.19	11
C-2	03/29/95	03/30/95	04/06/95	04/06/95	BD061.19	12

QC Samples

QC Batch #	QC Sample ID	Type	Ref.	Matrix	Extract.	Analyzed
BD061.19-01	Method Blank	MB		Water	04/06/95	04/06/95
BD061.19-02	C-5	MS	81008-02	Water	04/06/95	04/06/95
BD061.19-03	C-5	MSD	81008-02	Water	04/06/95	04/06/95

Certified Laboratories

825 Arnold Dr., Suite 114
Martinez, California 94553
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GETTLER RYAN INC.
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Project 5259.80
Reported on April 11, 1995

Gasoline Range Petroleum Hydrocarbons and BTXE
by EPA SW-846 5030/8015M/8020
Gasoline Range quantitated as all compounds from C6-C10

LAB ID	Sample ID	Matrix	Dil. Factor	Moisture
81008-01	TB-LB	Water	1.0	-
81008-02	C-5	Water	1.0	-
81008-03	C-4	Water	1.0	-
81008-04	C-6	Water	1.0	-

R E S U L T S O F A N A L Y S I S

Compound	81008-01		81008-02		81008-03		81008-04	
	Conc.	RL	Conc.	RL	Conc.	RL	Conc.	RL
	ug/L		ug/L		ug/L		ug/L	
Gasoline_Range	ND	50	ND	50	ND	50	ND	50
Benzene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Toluene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Ethyl Benzene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Total Xylenes	ND	0.5	ND	0.5	ND	0.5	ND	0.5
>> Surrogate Recoveries (%) <<								
Trifluorotoluene (SS)	96		98		97		95	



Superior Precision Analytical, Inc.

A member of ESSCON Environmental Support Service Consortium

GETTLER RYAN INC.
Attn: ARGY LEYTON

Project 5259.80
Reported on April 11, 1995

Gasoline Range Petroleum Hydrocarbons and BTXE
by EPA SW-846 5030/8015M/8020
Gasoline Range quantitated as all compounds from C6-C10

LAB ID	Sample ID	Matrix	Dil. Factor	Moisture
81008-05	C-11	Water	1.0	-
81008-06	C-10	Water	1.0	-
81008-07	C-9	Water	1.0	-
81008-08	C-3	Water	1.0	-

RESULTS OF ANALYSIS

Compound	81008-05		81008-06		81008-07		81008-08	
	Conc.	RL	Conc.	RL	Conc.	RL	Conc.	RL
	ug/L		ug/L		ug/L		ug/L	
Gasoline_Range	ND	50	ND	50	ND	50	66	50
Benzene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Toluene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Ethyl Benzene	ND	0.5	ND	0.5	ND	0.5	1.1	0.5
Total Xylenes	ND	0.5	ND	0.5	ND	0.5	2.4	0.5
>> Surrogate Recoveries (%) <<								
Trifluorotoluene (SS)	93		96		97		99	



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GETTLER RYAN INC.
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Project 5259.80
Reported on April 11, 1995

Gasoline Range Petroleum Hydrocarbons and BTXE
by EPA SW-846 5030/8015M/8020
Gasoline Range quantitated as all compounds from C6-C10

LAB ID	Sample ID	Matrix	Dil. Factor	Moisture
81008-09	C-1	Water	10.0	-
81008-10	C-8	Water	10.0	-
81008-11	C-7	Water	10.0	-
81008-12	C-2	Water	10.0	-

RESULTS OF ANALYSIS

Compound	81008-09		81008-10		81008-11		81008-12		
	Conc.	RL	Conc.	RL	Conc.	RL	Conc.	RL	
	ug/L		ug/L		ug/L		ug/L		
Gasoline_Range	3900	500	3900	500	4100	500	1400	500	
Benzene	21	5.0	86	5.0	64	5.0	17	5.0	
Toluene	7.2	5.0	19	5.0	18	5.0	5.4	5.0	
Ethyl Benzene	190	5.0	180	5.0	170	5.0	52	5.0	
Total Xylenes	250	5.0	210	5.0	280	5.0	240	5.0	
>> Surrogate Recoveries (%) <<									
Trifluorotoluene (SS)	100		ND		113		90		



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Gasoline Range Petroleum Hydrocarbons and BTXE
by EPA SW-846 5030/8015M/8020
Gasoline Range quantitated as all compounds from C6-C10

Quality Assurance and Control Data

Laboratory Number: 81008
Method Blank(s)

ED061.19-01

Conc. RL
ug/L

Gasoline_Range	ND	50
Benzene	ND	0.5
Toluene	ND	0.5
Ethyl Benzene	ND	0.5
Total Xylenes	ND	0.5

>> Surrogate Recoveries (%) <<
Trifluorotoluene (SS) 89



Superior Precision Analytical, Inc.

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Gasoline Range Petroleum Hydrocarbons and BTXE
by EPA SW-846 5030/8015M/8020
Gasoline Range quantitated as all compounds from C6-C10

Quality Assurance and Control Data

Laboratory Number: 81008

Compound	Sample conc.	SPK Level	SPK Result	Recovery %	Limits %	RPD %
----------	--------------	-----------	------------	------------	----------	-------

For Water Matrix (ug/L)
BD061.19 02 / 03 - Sample Spiked: 81008 - 02

Gasoline_Range	ND	233	226/186	97/80	65-135	19
Benzene	ND	20	18/16	90/80	65-135	12
Toluene	ND	20	19/16	95/80	65-135	17
Ethyl Benzene	ND	20	19/16	95/80	65-135	17
Total Xylenes	ND	60	56/49	93/82	65-135	13

>> Surrogate Recoveries (%) <<
Trifluorotoluene (SS)

99/94 50-150

Definitions:

ND = Not Detected

RL = Reporting Limit

NA = Not Analysed

RPD = Relative Percent Difference

ug/L = parts per billion (ppb)

mg/L = parts per million (ppm)

ug/kg = parts per billion (ppb)

mg/kg = parts per million (ppm)