

### **RECEIVED**

10:40 am, May 10, 2011 Alameda County Environmental Health Stacie H. Frerichs Team Lead Marketing Business Unit

Chevron Environmental Management Company 6001 Bollinger Canyon Road San Ramon, CA 94583 Tel (925) 842-9655 Fax (925) 842-8370

May 6, 2011 (date)

Alameda County Environmental Health 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577

Re: Chevron Facility #\_9-0504\_

Address: 15900 Hesperian Boulevard, San Lorenzo, California

I have reviewed the attached report titled <u>2011 Annual Groundwater Monitoring Report</u> and dated <u>May 6</u>, 2011.

I agree with the conclusions and recommendations presented in the referenced report. The information in this report is accurate to the best of my knowledge and all local Agency/Regional Board guidelines have been followed. This report was prepared by Conestoga-Rovers & Associates, upon whose assistance and advice I have relied.

This letter is submitted pursuant to the requirements of California Water Code Section 13267(b)(1) and the regulating implementation entitled Appendix A pertaining thereto.

I declare under penalty of perjury that the foregoing is true and correct.

Sincerely,

Stacie H. Frerichs Project Manager

5H Frencho

**Enclosure: Report** 



10969 Trade Center Drive Rancho Cordova, California 95670

Telephone: (916) 889-8900 Fax: (916) 889-8999

http://www.craworld.com

May 6, 2011 Reference No. 611641

Mr. Mark Detterman, P.G., C.E.G. Alameda County Environmental Health (ACEH) 1131 Harbor Bay Parkway, Suite 250 Alameda, California 94502-6577

Re: 2011 Annual Groundwater Monitoring and Sampling Report

Chevron Service Station 9-0504 15900 Hesperian Boulevard San Lorenzo, California ACEH Case No. RO0000007

Dear Mr. Detterman:

Conestoga-Rovers & Associates (CRA) is submitting the attached *Groundwater Monitoring and Sampling Report* (report) to ACEH on behalf of Chevron Environmental Management Company (Chevron) for the site referenced above. The report (prepared by Gettler-Ryan Inc. and dated March 22, 2011) presents the results of the gauging and sampling of wells C-1, C-2, C-3, C-7, and C-8 during first quarter 2011. These wells are gauged and sampled on an annual basis during the first quarter. Wells C-9, C-10, and C-11 were also gauged. Wells C-4, C-5, C-6, C-9, C-10, and C-11 are no longer sampled. Also attached are Figure 1 (Vicinity Map) showing the site location, and Figure 2 (Concentration Map) presenting the 2011 annual analytical results along with a rose diagram. The monitoring results for 2011 are discussed below.

During the 2011 event, petroleum hydrocarbon concentrations in the wells were similar to or less than those observed in 2010. Total petroleum hydrocarbons as gasoline (TPHg) and benzene were only detected in offsite well C-8 (8,900 micrograms per liter [ $\mu$ g/L] and 1  $\mu$ g/L, respectively). Toluene, ethylbenzene, and xylenes generally were not detected in the wells with the exception of a low concentration of ethylbenzene (0.6  $\mu$ g/L) in C-7, and low concentrations ( $\mu$ g to 37  $\mu$ g/L) in C-8. Methyl tertiary butyl ether (MTBE) was not detected in any of the wells. The current event was the first time MTBE was not detected in C-1.

Based on the analytical results, impacted groundwater (primarily TPHg) remains downgradient of the site in the vicinity of well C-8 in Hesperian Boulevard. The TPHg concentrations in this well have remained relatively stable; however, the benzene concentrations have decreased and only a low concentration remains, and MTBE has not been detected since 2001. Petroleum hydrocarbons are no longer detected in onsite wells C-1, C-2, and C-3. Concentrations in offsite well C-7 have also significantly decreased as TPHg and benzene have not been detected during the past three events and MTBE has not been detected for several years.

Equal Employment Opportunity Employer



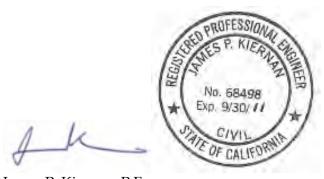
May 6, 2011 Reference No. 611641

CRA previously submitted the August 10, 2010 *Soil Vapor Quality Evaluation and Second Request for Case Closure* in which case closure was requested based on low-risk conditions. As such, no further groundwater monitoring is recommended. We are currently awaiting ACEH review of this document.

We appreciate your assistance on this project and look forward to your reply. Please contact James Kiernan at (916) 889-8917 if you have any questions or require additional information.

Sincerely,

#### **CONESTOGA-ROVERS & ASSOCIATES**



James P. Kiernan, P.E.

JK/aa/6 Encl.

Figure 1 Vicinity Map

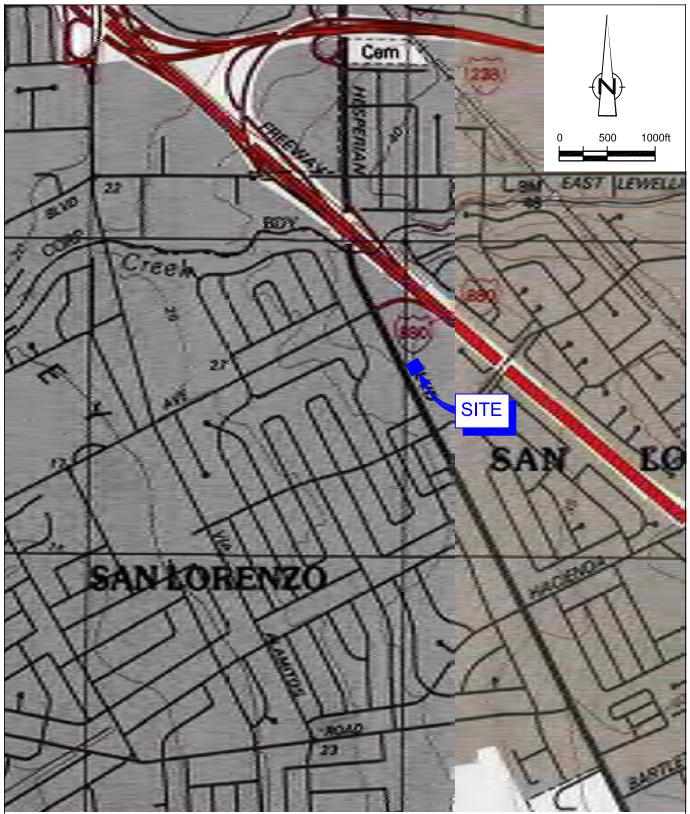
Figure 2 Concentration Map – March 4, 2011

Attachment A Groundwater Monitoring and Sampling Report

cc: Ms. Olivia Skance, Chevron (electronic copy)

Mr. Scott Bohannon, Bohannon Organization

## **FIGURES**

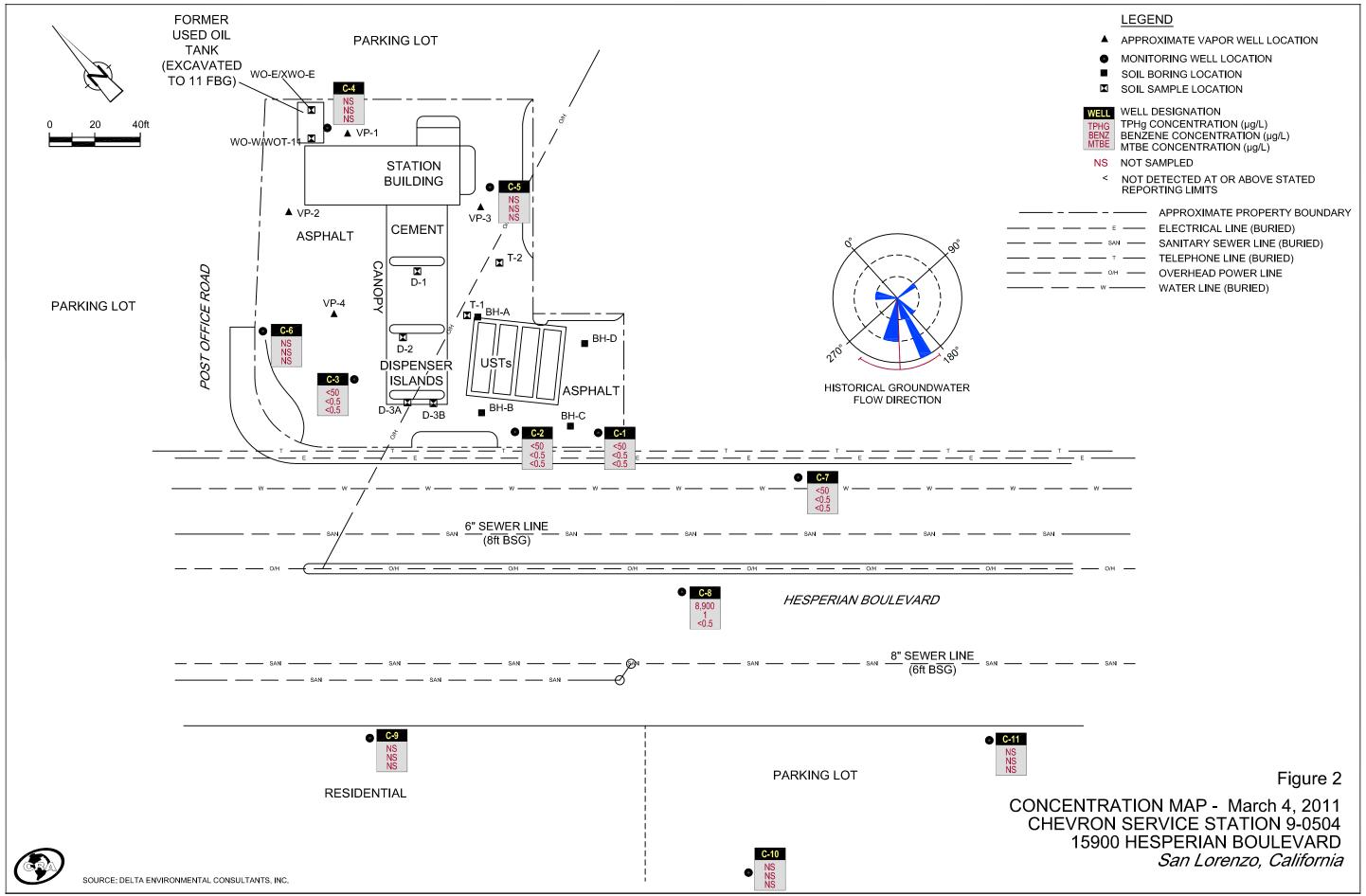


SOURCE: TOPO! MAPS.

Figure 1

VICINITY MAP CHEVRON SERVICE STATION 9-0504 15900 HESPERIAN BOULEVARD San Lorenzo, California





## ATTACHMENT A

GROUNDWATER MONITORING AND SAMPLING REPORT



March 22, 2011 G-R Job #385259

Ms. Stacie H. Frerichs Chevron Environmental Management Company 6111 Bollinger Canyon Rd., Room 3596 San Ramon, CA 94583

RE: Annual Event of March 4, 2011

Groundwater Monitoring & Sampling Report Chevron Service Station #9-0504 15900 Hesperian Boulevard San Lorenzo, California

Dear Ms. Frerichs:

This report documents the most recent groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R) at the referenced site. All field work was conducted in accordance with G-R Standard Operating Procedure - Groundwater Sampling (attached).

Static groundwater levels were measured and the wells were checked for the presence of separate-phase hydrocarbons. Static water level data, groundwater elevations, and separate-phase hydrocarbon thickness (if any) are presented in the attached Table 1. A Potentiometric Map is included as Figure 1.

Groundwater samples were collected from the monitoring wells and submitted to a state certified laboratory for analyses. The field data sheets for this event are attached. Analytical results are presented in the table(s) listed below. The chain of custody document and laboratory analytical report are also attached. All groundwater and decontamination water generated during sampling activities was removed from the site, per the Standard Operating Procedure.

Please call if you have any questions or comments regarding this report. Thank you.

Sincerely.

Deanna L. Harding Project Coordinator

Douglas J. Lee

Senior Geologist, P.G. No. 6882

Figure 1: Potentiometric Map

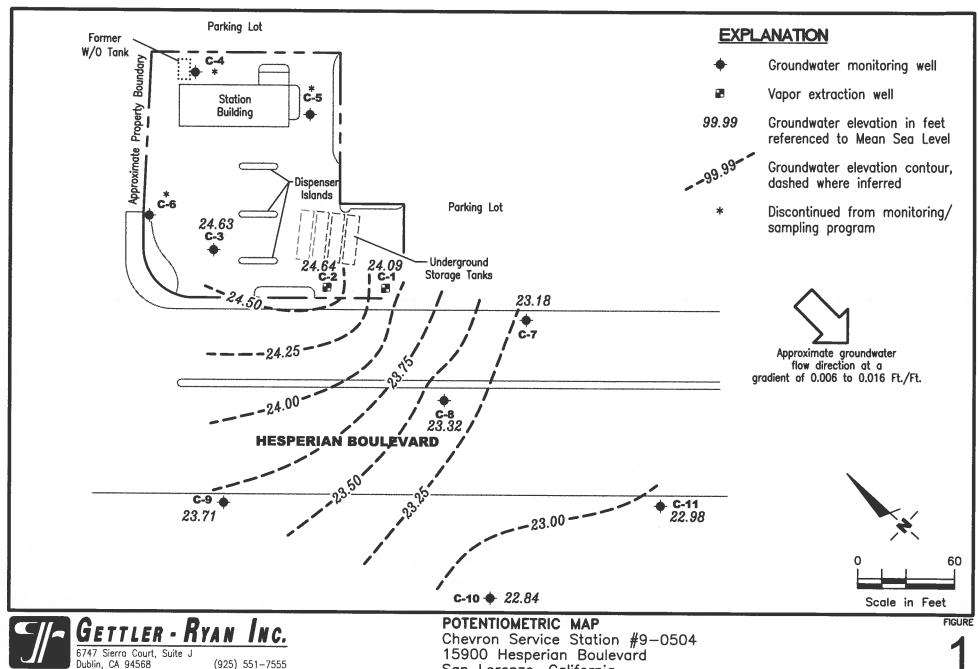
Table 1: Groundwater Monitoring Data and Analytical Results
Table 2: Groundwater Analytical Results - Oxygenate Compounds
Attachments: Standard Operating Procedure - Groundwater Sampling

Field Data Sheets

Chain of Custody Document and Laboratory Analytical Reports

No. 6882

OF CALIF



385259

PROJECT NUMBER

DATE March 4, 2011

REVISED DATE

San Lorenzo, California

(925) 551-7555

FILE NAME: P:\Enviro\Chevron\9-0504\Q11-9-0504.DWG | Loyout Tob: Pot1

REVIEWED BY

Table 1
Groundwater Monitoring Data and Analytical Results

			5040.70		San Lorenzo,	California					
WELL ID/	TOC	GWE	DTW	SPHT	TPH-GRO	В	T	£.	X	MTBE	HVOCs
DATE	(fi.)	(msl)	(ft.)	(ft.)	(μg/L)	(μg/L)	(µg/L)	(µg/L)	(µg/L)	(μg/L)	(μg/L)
C-1											
06/06/89				••	5,100	250	170	200	990		
12/08/89			13.14	0.01	3,100						
09/07/90	33.93	19.91	14.04	0.03		••					
12/20/90	33.93	20.07	13.87	0.01							
03/15/91	33.93	22.53	11.40		37,000	220	53	53	1,900		
06/28/91	33.93	21.68	12.25		3,300	110	6.2	6.2	350		
09/26/91	33.93	19.91	14.02		3,200	220	6.9	6.9	710		••
01/27/92	33.93	21.30	12.63		330	20	0.6	0.6	48		
04/20/92	33.93	23.50	10.43		2,700	130	3.4	3.4	690		
07/17/92	33.93	21.32	12.61		490	17	<0.5	< 0.5	52		
01/20/93	33.93	24.51	9.42								
07/28/93	33.93	23.45	10.48								••
10/27/93	32.80	21.48	11.32		240	3.6	< 0.5	11	23		
03/31/94	32.80	23.35	9.45		530	23	1.2	10	120	••	
06/08/94	32.80	22.87	9.93		990	15	1.5	42	89	••	
09/29/94	32.80	INACCESSIBI								••	
11/09/94	32.80	INACCESSIBI									-
12/14/94	32.80	INACCESSIBI	LE					••			
03/30/95	32.80	24.79	8.01		3,900	21	7.2	190	250		
06/30/95	32.80	22.98	9.82		1,400	3.1	0.8	54	95		
09/22/95	32.80	22.20	10.60		620 <sup>7</sup>	0.7	<0.5	3.3	3.5		**
12/11/95	32.80	22.50	10.30		210	2.4	<0.5	43	85	79	••
03/08/96	32.80	25.15	7.65		750	2.1	<0.5	22	34	330	
06/21/96	32.80	23.52	9.28		2,800	9.0	<0.5	94	83	1,300	••
09/27/96	32.80	22.52	10.28		770	0.5	< 0.5	5.1	6.1	580	**
01/03/97	32.80	24.95	7.85		1,800	2.8	<0.5	51	41	110	
03/28/97	32.80	23.43	9.37		720	0.6	< 0.5	4.7	3.7	200	
09/30/97	32.80	MONITORED	ANNUALLY								
03/28/98	32.80	25.08	7.72		940 <sup>8</sup>	3.9	< 0.5	17	4.7	290	
03/19/99	32.80	24.29	8.51		320	< 0.5	< 0.5	8.5	2.5	350	
03/21/00	32.80	24.72	8.08		432	< 0.5	2.04	5.33	0.658	154	
08/28/00	32.80	MONITORED	/SAMPLED AT	NNUALLY							
03/02/01	32.80	24.09	8.71	0.00	< 50.0	< 0.500	< 0.500	< 0.500	< 0.500	32.8	
09/04/01	32.80	MONITORED	/SAMPLED AT	NNUALLY						••	
03/21/02	32.80	24.18	8.62	0.00	< 50	< 0.50	< 0.50	< 0.50	<1.5	20	
09/04/02	32.80	MONITORED	/SAMPLED AT	NNUALLY						••	

## Table 1 Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-0504 15900 Hesperian Boulevard

	San Lorenzo, California  ELL ID/ TOC GWE DTW SPHT TPH-GRO B T E X MTRE HVOCs												
WELL ID/				SPHT	TPH-GRO	В	T	E	X	MTBE	HVOCs		
DATE	(ft.)	(msl)	(ft)	(ft.)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(µg/L)	(μg/L)	(µg/L)		
C-1 (cont)													
03/31/03	32.80	23.93	8.87	0.00	<50	< 0.5	< 0.5	< 0.5	<1.5	40			
09/17/03	32.80	MONITORED /S.	AMPLED A	NNUALLY		1-	-	-	-				
03/05/0412	32.80	24.46	8.34	0.00	<50	< 0.5	< 0.5	< 0.5	< 0.5	15	7-6		
09/03/04	32.80	MONITORED /S.	AMPLED A	NNUALLY	-	1.54					170		
03/02/0512	32.80	24.76	8.04	0.00	<50	< 0.5	< 0.5	< 0.5	0.5	1	(44)		
09/02/05	32.80	MONITORED /S.	AMPLED A	NNUALLY	1-4	-	-	-		1			
03/24/0612	32.80	25.04	7.76	0.00	<50	< 0.5	< 0.5	< 0.5	< 0.5	4	144		
03/05/07 <sup>12</sup>	32.80	24.00	8.80	0.00	160	< 0.5	< 0.5	< 0.5	<0.5	14	(		
03/17/08 <sup>12</sup>	32.80	23.89	8.91	0.00	<50	< 0.5	< 0.5	<0.5	<0.5	0.9	144		
03/03/0912	32.80	24.13	8.67	0.00	<50	< 0.5	<0.5	< 0.5	< 0.5	0.8	-		
03/17/10 <sup>12</sup>	32.80	24.43	8.37	0.00	<50	< 0.5	<0.5	< 0.5	< 0.5	0.5	-		
03/04/1112	32.80	24.09	8.71	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-		
					1,000	2,000			- 410	-0.0			
C-2													
06/06/89					130,000	14,000	28,000	3,400	24,000	4-			
12/08/89			13.44	0.15					24,000		7.		
09/07/90	34.21	20.01	14.28	0.10			-	<u> </u>		-	34		
12/20/90	34.21	20.16	14.06	0.01									
03/15/91	34.21	22.63	11.59	0.01	1,200,000	4,700	16,000	13,000	140,000		••		
06/28/91	34.21	21.66	12.55		150,000	3,500	4,200	2,100	16,000	-			
09/26/91	34.21	20.01	14.20	-	4,900	220	290	130	880	1 1			
01/27/92	34.21	21.75	12.46	(44)	8,200	510	590	230	1,300	-	4		
04/20/92	34.21	23.97	10.24		19,000	1,700	1,700	930	4,700	-	100		
07/17/92	34.21	21.40	12.81	4	20,000	950	950	1,300	4,700	( <del>) )</del>	-		
1/20/93	34.21	25.42	8.79	()				1,300		-			
0/27/93	33.46	21.10	12.36	••	1,600	63	5.8	5.9	 190	<del>-</del>	-		
03/31/94	33.46	23.84	9.62		12,000	300	96	510		-	-		
06/08/94	33.46	23.48	9.98	11.	8,700	140	35		2,700	-			
19/28/94	33.46	INACCESSIBLE	7.70	-	o,/00 			250	1,500	•	-		
1/09/94	33.46	INACCESSIBLE		-		10.5				144	3441		
2/14/94	33.46	INACCESSIBLE		-		-		1-5	100	•			
3/30/95	33.46	25.77	7.69		1,400	17	5.4		240	-			
06/30/95	33.46	23.56	9.90	-	730		5.4	52 50	240	**			
19/22/95	33.46	22.85	10.61			22	2.6	50	240	***	S-2		
2/11/95	33.46	23.08	10.81		$2,100^7$	66	7.3	140	550				
(2/11/93	33.40	23.08	10.38		3,700	23	< 0.5	68	300	1,000			

## Table 1 Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-0504 15900 Hesperian Boulevard

						San Lorenzo,	California					
WELL ID/		TOC	GWE	DTW	SPHT	TPH-GRO	В	T	E	X	MTBE	HVOCs
DATE		(fl.)	(msl)	(ft)	(ft.)	(μg/L)	(μg/L)	(µg/L)	(µg/L)	(μg/L)	(µg/L)	(µg/L)
C-2 (cont)												
03/08/96		33.46	25.76	7.70		2,200	19	<5.0	63	290	1,300	4
06/21/96		33.46	24.09	9.37		2,200	23	1.1	70	260	2,300	
09/27/96		33.46	22.88	10.58	-	5,500	12	0.6	30	110	2,200	
01/03/97		33.46	25.56	7.90	4	750	4.2	< 0.5	29	120	51	-
03/28/97		33.46	24.11	9.35	4	1,300	12	1.5	24	86	310	
09/30/97		33.46	MONITORED				-		-			_
03/28/98		33.46	25.46	8.00	-	1,1008	14	<5.0	34	79	710	
03/19/99		33.46	25.01	8.45		1,400	15	< 0.5	56	130	460	-
03/21/00		33.46	25.37	8.09	-	5,420	9.69	< 0.5	76.5	125	168	
08/28/00		33.46	MONITORED	SAMPLED A	NNUALLY				••			
03/02/01		33.46	24.68	8.78	0.00	<50.0	< 0.500	< 0.500	< 0.500	< 0.500	<5.00	-
09/04/01		33.46	MONITORED	SAMPLED A	NNUALLY	,	-	**	77			
03/21/02		33.46	24.75	8.71	0.00	<50	< 0.50	< 0.50	< 0.50	<1.5	4.5	-
09/04/02		33.46		SAMPLED AT		-					**	-24
03/31/03		33.46	24.53	8.93	0.00	<50	< 0.5	1.0	<2.0	2.6	<2.5	
09/17/03		32.80	MONITORED	/SAMPLED A			-		-		4	
03/05/0412		32.80	24.41	8.39	0.00	940	1	< 0.5	21	10	45	1
09/03/04		32.80	MONITORED	/SAMPLED A		••	-	24	22			
03/02/0512		32.80	24.67	8.13	0.00	<50	< 0.5	< 0.5	< 0.5	<0.5	< 0.5	
09/02/05		32.80	MONITORED	/SAMPLED A	NNUALLY		22					-
03/24/0612		32.80	24.99	7.81	0.00	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	
03/05/0712		32.80	23.89	8.91	0.00	1,000	1	< 0.5	8	1	<0.5	
03/17/0812		33.46	25.35	8.11	0.00	<50	< 0.5	< 0.5	<0.5	<0.5	<0.5	14
03/03/0912		33,46	25.43	8.03	0.00	<50	< 0.5	0.7	<0.5	0.5	<0.5	-
03/17/1012		33.46	24.95	8.51	0.00	<50	< 0.5	< 0.5	<0.5	< 0.5	<0.5	-
03/04/1112		33.46	24.64	8.82	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
C-3												
06/06/89				22	and the second	2,600	63	20	390	370	-	
12/08/89						680	6.0	1.0	31	58	-	
09/07/90		35.46	20.15	15.31	5-4-5	490	6.0	< 0.5	41	120	-	-
09/07/90	(D)	35.46			24.	460	6.0	<0.5	40	110	1	
12/20/90		35.46	20.29	15.17	-	100	5.0	<0.5	27	130		
03/06/91		35.46	22.19	13.27	-	1,300	7.0	<0.5	75	250	144	
03/06/91	(D)	35.46			-	1,400	8.0	<0.5	76	250		

**Table 1 Groundwater Monitoring Data and Analytical Results** 

						San Lorenzo,	California					
WELL ID/		TOC	GWE	DTW	SPHT	TPH-GRO	В	1	E	X	MTBE	HVOCs
DATE		(fl.)	(msl)	(ft.)	(ft.)	(μg/L)	(μg/L)	(µg/L)	(µg/L)	(µg/L)	(μg/L)	(μg/L)
C-3 (cont)												
06/28/91		35.46	21.79	13.67		770	6.0	< 0.5	81	71		
06/28/91	(D)	35.46				990	5.5	<0.5	86	75		
09/26/91	(-)	35.46	20.14	15.32		1,400	7.9	<0.5	98	340		
01/27/92		35.46	21.55	13.91		150	0.7	<0.5	12	12		
04/20/92		35.46	23.80	11.66		1,600	9.3	1.0	190	370		
07/17/92		35.46	21.50	13.96		460	18	< 0.5	20	52		
10/29/92		35.46	19.95	15.51		520	2.4	1.0	30	79		
01/20/93		35.46	24.47	10.99		4,200	7.4	< 0.5	140	380		
05/03/93		35.46	24.49	10.97		1,300	6.8	3.2	71	170		
07/28/93		35.46	23.05	12.41		220	1.4		17			
10/27/93		35.46	21.78	13.37		1,800	5.5	<0.5 0.7		39		
03/31/94		35.46	23.90	11.56 <sup>1</sup>		310	1.2		68	290		
06/08/94		35.46	23.39	12.07		300	2.7	<0.5	19	54		
$09/29/94^2$		35.46	21.62	13.84				1.6	19	48		
11/09/94 <sup>5</sup>		35.46	21.02	13.64		2,500	<25	<25	<25	220		
12/14/94		35.46	23.61			170	<0.5	0.8	3.3	16		
03/30/95		35.46	25.85	11.85		510	3.2	1.4	28	60		
06/30/95		35.46		9.61		66	<0.5	<0.5	1.1	2.4		
09/22/95			23.96	11.50		1,500	1.9	8.1	100	300		
12/11/95		35.46	22.88	12.58		600 <sup>7</sup>	0.7	<0.5	43	110		
		35.46	22.91	12.55		670 <sup>8</sup>	<0.5	< 0.5	7.0	13	15	
03/08/96		35.46	25.80	9.66		3,600	7.5	33	130	400	1,100	
06/21/96		35.46	23.68	11.78		310	< 0.5	< 0.5	16	49	57	
09/27/96		35.46	23.09	12.37		250	< 0.5	< 0.5	3.6	9.6	44	
01/03/97		35.46	25.57	9.89		170	< 0.5	1.2	4.5	15	15	
03/28/97		35.46	24.50	10.96		60	< 0.5	< 0.5	1.7	1.8	23	
09/30/97		35.46	MONITORED									
03/28/98		35.46	25.74	9.72		<50	0.88	< 0.5	< 0.5	< 0.5	16	
03/19/99		35.46	25.44	10.02		<50	< 0.5	< 0.5	< 0.5	0.65	12	
03/21/00		35.46	25.36	10.10		122	< 0.5	< 0.5	4.96	11.7	6.13	
08/28/00		35.46		SAMPLED AN	NUALLY							
03/02/01		35.46	24.67	10.79	0.00	<50.0	< 0.500	< 0.500	< 0.500	< 0.500	< 5.00	
09/04/01		35.46		SAMPLED AN	NUALLY							
03/21/02		35.46	24.74	10.72	0.00	< 50	< 0.50	< 0.50	< 0.50	<1.5	<2.5	
09/04/02		35.46	MONITORED/	SAMPLED AN	NUALLY							
03/31/03		35.46	24.31	11.15	0.00	<50	< 0.5	< 0.5	< 0.5	<1.5	<2.5	

Table 1
Groundwater Monitoring Data and Analytical Results

	 				San Lorenzo, C	alifornia					
WELL ID/	TOC	GWE	DTW	SPHT	TPH-GRO	В	T	E	X	МТВЕ	HVOCs
DATE	(fi.)	(msl)	(ft.)	(ft.)	(μg/L)	(μg/L)	(μg/L)	(µg/L)	(µg/L)	(µg/L)	(μg/L)
C-3 (cont)											
09/17/03	32.80	MONITORED	SAMPLED A	NNUALLY	-	54					
03/05/0412	32.80	22.42	10.38	0.00	<50	< 0.5	< 0.5	< 0.5	< 0.5	<0.5	-
09/03/04	32.80	MONITORED			-						***
03/02/0512	32.80	22.67	10.13	0.00	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	
09/02/05	32.80	MONITORED									2
03/24/0612	32.80	22.95	9.85	0.00	<50	< 0.5	< 0.5	< 0.5	< 0.5	<0.5	
03/05/0712	32.80	21.83	10.97	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
03/17/0812	35.46	24.23	11.23	0.00	<50	<0.5	< 0.5	<0.5	<0.5	<0.5	177
03/03/0912	35.46	24.45	11.01	0.00	<50	<0.5	< 0.5	<0.5	<0.5	<0.5	-
03/17/1012	35.46	24.79	10.67	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
03/04/1112	35.46	24.63	10.83	0.00	<50	<0.5	<0.5	<0.5	<0.5 <0.5	< <b>0.5</b>	-
	20.10	21100	10.00	0.00	-50	-0.5	70.3	<b>~0.3</b>	~0.5	~v.5	-
C-7											
12/08/89					1,700	32	12	17	150		
09/07/90	32.75	19.73	13.02	14	880	84	23	46	180	CC	
12/20/90	32.75	20.47	12.28	**	560	24	3.0	19	21	-	-
03/06/91	32.75	15.83	16.92	-	240	25	2.0	4.0	26		± .
06/28/91	32.75	21.44	11.31		2,400	130	13	82	220	-	-
09/26/91	32.75	20.47	12.28	24	8,100	47	35	350		-	**
01/27/92	32.75	21.32	11.43		12,000				1,200	7-5	
04/20/92	32.75	23.47	9.28	**	1,200	170	40	420	830	<del></del> -	49
07/17/92	32.75	21.26	11.49	**	•	80	11	90	110	•	
10/29/92	32.75	19.70	13.05	Min	2,400	20	7.4	95	200		625
01/20/93	32.75	24.06	8.69	**	69	1.3	<0.5	3.8	7.2	200	**
05/03/93	32.75	24.07		-	<50	<0.5	<0.5	<0.5	<0.5		
07/28/93	32.75	22.76	8.68	•••	2,400	29	8.6	140	210	<del>52</del>	
10/27/93			9.99	77	3,600	38	16	290	920	-	17-2
	32.32	21.60	10.72		22,000	23	26	990	2,600	100	
03/31/94	32.32	23.21	9.11		2,300	45	7.0	130	190		144
06/08/94	32.32	23.10	9.22		6,900	46	11	380	820	-	1.77
09/29/94	32.32	21.00	11.32	44	11,000	10	11	620	810		240
11/09/94 <sup>5</sup>	32.32				7,800	33	18	570	1,100	-	
12/14/94	32.32	23.33	8.99		7,700	63	16	140	1,200	4-	••
03/30/95	32.32	25.04	7.28		4,100	64	18	170	280	4	**
06/30/95	32.32	23.25	9.07		1,200	31	3.7	21	18	-	

Table 1
Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-0504

15900 Hesperian Boulevard San Lorenzo, California

						San Lorenzo, (	California					
WELL ID/		TOC	GWE	DTW	SPHT	TPH-GRO	В	T.	E	X	MTBE	HVOCs
DATE		(fl.)	(msl)	(ft.)	(ft,)	(μg/L)	(μg/L)	(µg/L)	(µg/L)	(µg/L)	(μg/L)	(μg/L)
C-7 (cont)												
09/22/95		32.32	22.27	10.05		1,800	64	5.7	30	38		
12/11/95		32.32	23.02	9.30		14,000	80	6.1	91	120	70	
03/08/96		32.32	24.99	7.33		2,300	57	8.4	110	180	37	
06/21/96		32.32	23.47	8.85		1,100	37	3.2	21	29	9.0	
09/27/96		32.32	23.21	9.11		10,000	150	30	270	670	45	
01/03/97		32.32	24.83	7.49		1,800	35	<0.5	34	72	15	
03/28/97		32.32	23.75	8.57		2,200	38	4.1	31	56	19	
09/30/97		32.32	MONITORED									
03/28/98		32.32	24.98	7.34		$2,100^8$	28	7.8	70	170	<25	
03/19/99		32.32	24.61	7.71		5,300	63	24	280	370	67 <sup>10</sup>	
03/21/00		32.32	24.57	7.75		2,830	19.5	5.14	116	206	11.7	
08/28/00		32.32	MONITORED		NUALLY	-,						
03/02/01		32.32	24.06	8.26	0.00	7,62011	54.7	<25.0	522	945	<250	
09/04/01		32.32	MONITORED	SAMPLED AN								
03/21/02		32.32	24.10	8.22	0.00	9,300	31	8.4	460	850	<20	
09/04/02		32.32	MONITORED	SAMPLED AN								
03/31/03		32.32	23.67	8.65	0.00	3,300	17	3.9	92	190	31	
09/17/03	<b>•</b>	32.80	MONITORED	/SAMPLED A	NNUALLY							
03/05/04 <sup>12</sup>		32.80	24.86	7.94	0.00	2,200	7	1	50	120	< 0.5	
09/03/04		32.80	MONITORED	/SAMPLED A	NNUALLY							
03/02/05 <sup>12</sup>		32.80	25.14	7.66	0.00	2,500	11	2	39	84	< 0.5	2012TO
09/02/05		32.80	MONITORED					- 				
03/24/06 <sup>12</sup>		32.80	25.44	7.36	0.00	3,300	12	3	56	100	< 0.5	
03/05/07 <sup>12</sup>		32.80	24.46	8.34	0.00	1,600	5	0.8	13	30	<0.5	
03/17/08 <sup>12</sup>		32.32	23.69	8.63	0.00	750	2	<0.5	4	12	<0.5	
03/03/0912		32.32	23.88	8.44	0.00	<50	< 0.5	<0.5	<0.5	<0.5	<0.5	19-14
03/17/10 <sup>12</sup>		32.32	24.21	8.11	0.00	<50	< 0.5	<0.5	<0.5	<0.5	<0.5	<u></u>
03/04/1112		32.32	23.18	9.14	0.00	<50	<0.5	<0.5	0.6	<0.5	<0.5	
									0.0	-0.5	*015	
C-8												
12/08/89						4,800	62	11	95	180		-
09/07/90		33.82	19.50	14.32		3,700	170	31	180	270		-
12/20/90		33.82	19.61	14.20		3,900	120	20	130	180		
03/06/91		33.82	19.02	14.80		1,200	45	6.0	34	57	1. <del></del> 1.	7 <b></b> 07
06/28/91		33.82	21.17	12.65		6,900	180	46	340	640		-

**Table 1 Groundwater Monitoring Data and Analytical Results** 

DATE (Pa) (Pa) (Pa) (Pb) (Pb) (Pb) (Pb) (Pa) (Pa) (Pa) (Pa) (Pa) (Pa) (Pa) (Pa	WELL ID/		in the second		-(-(-(-(-(-(-(-(-(-(-(-(-(-(-(-(-(-(-(		San Lorenzo, (						
19/26/91   33.82   19.53   14.29     1.400   66   9.8   38   40			****************							````````````````````````````````````			``~``~``~``~``~``~``~``~``~`` <i>*</i>
1926    33 82   19.53   14.29     1,400   66   9.8   38   40	DATE		(JL)	(msi)	(fl.)	(ft.)	(μg/L)	(µg/L)	(µg/L)	(µg/L)	(μg/L)	(μg/L)	(µg/L)
10/27/92	C-8 (cont)												
10127992	09/26/91		33.82	19.53	14.29		1,400	66	9.8	38	40		
1472092	01/27/92		33.82	21.22	12.60		3,600						
17/17/92	04/20/92		33.82	23.46	10.36		2,600	110					
10/29/92 33.82 19.43 14.39 820 29 4.8 23 27 11/10/10/29/33 33.82 23.80 11.002 6,000 81 22 200 310 15/10/29/33 33.82 24.07 9.75 11,000 75 96 880 2,600 17/128/93 33.82 22.68 11.14 2,800 60 13 92 150 10/10/29/33 33.82 22.68 11.14 2,800 60 13 92 150 10/10/29/33 33.25 21.124 12.01 2,700 49 17 60 90 10/10/29/33 33.25 22.98 10.27 190 8.6 1.7 9.1 11 10/10/29/33 33.25 22.98 10.27 190 8.6 1.7 9.1 11 10/10/29/34 33.25 22.98 10.27 3,700 120 20 120 85 11/10/29/34 33.25 20.83 12.42 3,700 120 20 120 85 11/10/29/34 33.25 20.83 12.42 3,200 82 44 160 110 11/10/29/34 33.25 22.74 10.51 5,500 140 30 170 310 11/10/29/34 33.25 22.74 10.51 5,500 140 30 170 310 11/10/29/34 33.25 22.74 10.51 3,300 86 19 180 210 10/10/29/35 33.25 23.11 10.14 1,500 75 21 72 72 72 10/10/29/35 33.25 22.05 11.20 3,400 94 24 110 110 11/10/29/35 33.25 22.05 11.20 3,400 94 24 110 110 110 11/10/29/29/35 33.25 22.05 11.20 3,400 94 24 110 110 110 11/10/29/29/35 33.25 22.26 10.99 7,500 100 -0.5 160 120 130 13/30/89/6 33.25 22.26 10.99 7,500 100 -0.5 160 120 130 13/30/89/6 33.25 22.26 10.99 7,500 100 -0.5 160 120 130 13/30/89/6 33.25 22.47 8.46 3,600 93 8.9 110 88 82 13/30/89/6 33.25 22.47 10.78 7,000 98 12 150 130 53 10/10/39/9 33.25 22.47 10.78 7,000 98 12 150 130 53 10/10/39/9 33.25 24.43 8.91 2,600 34 16 34 19 76 0 13/30/89/8 33.25 24.43 8.91 2,600 34 16 34 19 76 0 13/30/29/8 33.25 24.43 8.91 2,600 34 16 34 19 76 0 13/30/29/8 33.25 24.43 8.91 2,600 34 16 34 19 76 0 13/30/29/8 33.25 24.43 8.91 2,600 34 16 34 19 76 0 13/30/29/8 33.25 24.43 8.91 2,600 34 16 34 19 76 0 13/30/29/8 33.25 24.43 8.91 2,600 34 16 34 19 76 0 13/30/29/8 33.25 24.43 8.91 2,600 34 16 34 19 76 0 13/30/29/9 33.25 24.43 8.91 2,600 34 16 34 19 76 0 13/30/29/9 33.25 24.43 8.91 2,600 34 16 34 19 76 0 13/30/29/9 33.25 24.34 8.91 2,600 34 16 34 19 76 0 -	07/17/92		33.82	20.94	12.88								
1)12093 33.82 23.80 10.02 6,000 81 22 200 310 10.000 31.0 10.000 31.0 10.000 31.0 10.000 31.0 10.000 31.0 10.000 31.0 10.000 31.0	10/29/92		33.82	19.43	14.39		820	29					
150393 33.82 2407 9.75 11,000 75 96 880 2,600 17,007/28/93 33.82 22.68 11.14 2,800 60 13 92 150 18,007/28/93 33.82 22.68 11.14 2,800 60 13 92 150 18,007/28/93 33.25 21.24 12.01 2,700 49 17 60 90 18,007/28/93 33.25 22.68 10.27 190 8.6 1.7 9.1 11 18,007/28/94 33.25 22.69 10.56 2,800 52 110 78 110 18,007/28/94 33.25 20.63 12.42 3,700 120 20 120 85 18,007/28/94 33.25 20.83 12.42 3,700 120 20 120 85 18,007/28/94 33.25 22.74 10.51 5,300 140 30 170 310 18,007/28/94 33.25 22.74 10.51 5,300 140 30 170 310 18,007/28/95 33.25 22.74 10.51 5,300 140 30 170 310 18,007/28/95 33.25 22.74 10.51 18,007/28/95 33.25 22.74 10.51 18,007/28/95 33.25 22.74 10.51 18,007/28/95 33.25 22.74 10.74 18,007/28/95 33.25 22.74 10.74 18,007/28/95 33.25 22.74 10.74 18,007/28/95 33.25 22.11 10.14 1,500 75 21 72 72 18,007/28/95 33.25 22.74 10.74 18,007/28/95 33.25 22.74 1	01/20/93		33.82	23.80	10.02		6,000	81					
1972893 33.82 22.68 11.14 2,800 60 13 92 150 10/10/20/30 33.25 21.24 12.01 2,700 49 17 60 90 10/20/30 33.25 22.98 10.27 190 8.6 1.7 9.1 11 10/20/30 33.25 22.98 10.27 190 8.6 1.7 9.1 11 10/20/30 33.25 22.98 10.27 190 8.6 1.7 9.1 11 10/20/30 33.25 22.83 12.42 3,700 120 20 120 85 10/20/30 82 110/20 85 10/20/30 82 44 160 110 10/20/30 82 44 160 110 10/20/30 82 44 160 110 10/20/30 82 44 160 110 10/20/30 82 44 160 110 10/20/30 82 44 160 110 10/20/30 82 44 160 110 10/20/30 82 44 160 110 10/20/30 82 44 160 110 10/20/30 82 44 160 110 10/20/30 82 44 160 110 10/20/30 82 44 160 110 10/20/30 82 44 160 110 10/20/30/30 82 83.25 22.74 10.51 5,300 140 30 170 310 10/20/30/30 82 12.11 10.14 1,500 75 21 72 72 10/20/20/5 33.25 23.11 10.14 1,500 75 21 72 72 10/20/20/5 33.25 22.05 11.20 3,400 94 24 110 110 12/20/20/5 33.25 22.26 10.99 7,500 100 <- 5,500 100 <- 5,500 100 88 19 100 88 82 2 10/20/20/5 33.25 22.26 10.99 7,500 100 <- 5,500 100 88 19 100 88 82 2 10/20/20/6 33.25 24.79 8.46 3,600 93 8.9 110 88 82 2 10/20/20/6 33.25 24.43 8.82 5,700 43 9.3 110 88 82 2 10/20/20/6 33.25 24.43 8.82 5,700 43 9.3 110 95 17 10/20/20/90 33.25 24.43 8.82 5,700 43 9.3 110 95 17 10/20/20/90 33.25 24.43 8.82 5,700 43 9.3 110 95 17 10/20/20/20/20/20/20/20/20/20/20/20/20/20	05/03/93		33.82	24.07	9.75		11,000	75					
10027/93 33.25 21.24 12.01 2,700 49 17 60 90	07/28/93		33.82	22.68	11.14								
1333194 33.25 22.98 10.27 190 8.6 1.7 9.1 11 106(608)94 33.25 22.99 10.56 2,800 52 110 78 110 109(729)94 33.25 22.69 10.56 3,700 120 20 120 85 110(99)94 33.25 20.83 12.42 3,700 120 20 120 85 110(99)94 33.25 22.74 10.51 3,200 82 44 160 110 12(12)94 33.25 22.74 10.51 5,300 140 30 170 310 13(12)94 33.25 22.74 10.51 5,300 140 30 170 310 13(12)94 33.25 22.74 10.51 1,500 75 21 72 72 16(30)95 33.25 23.11 10.14 1,500 75 21 72 72 16(30)95 33.25 22.05 11.20 3,400 94 24 110 110 12(12)96 33.25 22.05 11.20 3,400 94 24 110 110 13(12)96 33.25 22.05 11.20 3,400 94 24 110 110 13(12)96 33.25 22.05 11.20 3,400 94 24 110 88 82 13(12)96 33.25 22.26 10.99 7,500 100 <0.5 160 120 130 13(12)96 33.25 22.26 10.99 7,500 100 <0.5 160 120 130 13(12)96 33.25 22.27 10.78 3,200 69 6.8 100 88 19 13(12)97/96 33.25 23.28 9.97 3,200 69 6.8 100 88 19 13(12)97/96 33.25 23.28 9.97 3,200 69 6.8 100 88 19 13(12)97/96 33.25 23.26 9.50 9.65 4,900 52 4.7 70 47 50 13(12)98/97 33.25 23.60 9.65 4,900 52 4.7 70 47 50 13(12)98/97 33.25 24.43 8.82 5,700 43 9.3 110 95 17 13(12)98/97 33.25 24.48 8.47 3,300 8.45 42.3 61.1 20.3 33.8 13(12)99 33.25 24.48 8.47 3,300 8.45 42.3 61.1 20.3 33.8 13(12)99 33.25 24.43 8.82 4,300 8.45 42.3 61.1 20.3 33.8 13(12)99 33.25 24.43 8.82 4,300 8.45 42.3 61.1 20.3 33.8 13(12)99 33.25 24.43 8.82 4,300 8.45 42.3 61.1 20.3 33.8 13(12)99 33.25 24.43 8.82 4,300 8.45 42.3 61.1 20.3 33.8 13(12)99 33.25 24.43 8.82 4,300 8.45 42.3 61.1 20.3 33.8 13(12)99 33.25 24.43 8.82 4,300 8.45 42.3 61.1 20.3 33.8 13(12)99 33.25 24.43 8.82 4,300 8.45 42.3 61.1 20.3 33.8 13(12)99 33.25 24.43 8.82 4,300 8.45 42.3 61.1 20.3 33.8 13(12)99 33.25 24.43 8.82 4,300 8.45 42.3 61.1 20.3 33.8 13(12)99 33.25 24.43 8.82 4,300 8.45 42.3 61.1 20.3 33.8 13(12)99 33.25 24.43 8.82 4,300 8.45 42.3 61.1 20.3 33.8 13(12)99 33.25 24.43 8.82	10/27/93		33.25	21.24	12.01								
1960894 33.25 22.69 10.56 - 2,800 52 110 78 110	03/31/94		33.25	22.98	10.27								
19/29/94 33.25 20.83 12.42 3,700 120 20 120 85 1 11/09/94 33.25 3,200 82 44 160 110 1 11/09/94 33.25 22.74 10.51 5,300 140 30 170 310 1 13/30/95 33.25 24.81 8.44 3,900 86 19 180 210 1 16/30/95 33.25 23.11 10.14 1,500 75 21 72 72 1 19/22/95 33.25 22.05 11.20 3,400 94 24 110 110 1 19/22/95 33.25 22.05 11.20 3,400 94 24 110 110 1 13/30/896 33.25 22.66 10.99 7,500 100 <- 5,5 160 120 130 1 13/30/896 33.25 24.79 8.46 3,600 93 8.9 110 88 82 1 16/21/96 33.25 23.28 9.97 3,200 69 6.8 100 88 19 1 19/27/96 33.25 22.47 10.78 7,000 98 12 150 130 53 1 19/103/97 33.25 24.43 8.82 5,700 43 9.3 110 95 17 1 13/32/897 33.25 23.60 9.65 4,900 52 4.7 70 47 50 1 13/32/898 33.25 24.78 8.47 3,300 33 4.2 110 61 <- 25 1 13/32/898 33.25 24.48 8.91 2,600 34 16 34 16 34 19 76 0 1 13/32/99 33.25 24.43 8.82 4,300 8.45 42.3 61.1 20.3 33.8 1 13/32/99 33.25 24.43 8.82 4,300 8.45 42.3 61.1 20.3 33.8 1 13/32/100 33.25 33.86 9.39 0.00 3,500 <- 20 2.0 15 8.3 <- 10 1 13/32/100 33.25 MONITORED/SAMPLED ANNUALLY	06/08/94		33.25	22.69	10.56		2,800						
11/09/94\$   33.25	09/29/94		33.25	20.83	12.42								
12/14/94   33.25   22.74   10.51     5,300   140   30   170   310       3/30/95   33.25   24.81   8.44     3,900   86   19   180   210         5/60/30/95   33.25   24.81   8.44     3,900   86   19   180   210         5/60/30/95   33.25   23.11   10.14     1,500   75   21   72   72   72       5/60/30/95   33.25   22.05   11.20     3,400   94   24   110   110       12/11/95   33.25   22.26   10.99     7,500   100   <0.5   160   120   130     130/30/86   33.25   24.79   8.46     3,600   93   8.9   110   88   82     10/21/96   33.25   23.28   9.97     3,200   69   6.8   100   88   19     10/21/96   33.25   22.47   10.78     7,000   98   12   150   130   53     11/03/97   33.25   24.43   8.82     5,700   43   9.3   110   95   17     13/12/8/97   33.25   23.60   9.65     4,900   52   4.7   70   47   50     13/12/8/97   33.25   24.78   8.47     3,300   8.45   42.3   61.1   20.3   33.8     13/12/100   33.25   24.43   8.82     4,300   8.45   42.3   61.1   20.3   33.8     13/12/100   33.25   24.43   8.82     4,300   8.45   42.3   61.1   20.3   33.8     13/12/100   33.25   23.60   9.60   0.00   2,980   37.4   4.12   22.3   11.3   40.4       13/12/100   33.25   23.86   9.39   0.00   3,500   <20   2.0   15   8.3   <10       13/12/100   33.25   23.86   9.39   0.00   3,500   <20   2.0   15   8.3   <10       13/12/100   33.25   23.86   9.39   0.00   3,500   <20   2.0   15   8.3   <10       13/12/100   33.25   23.86   9.39   0.00   3,500   <20   2.0   15   8.3   <10       13/12/100   33.25   23.86   9.39   0.00   3,500   <20   2.0   15   8.3   <10       13/12/100   33.25   23.86   9.39   0.00   3,500   <20   2.0   2.0   15   8.3   <10       13/12/100   33.25   23.86   23.75   9.50   0.00   2,500   20   2.0   2.0   15   8.3   <10       13/12/100   33.25   23.86   23.75   9.50   0.00   3,500   <20   2.0   2.5   2.5   2.5   2.5   2.5   2.5   2.5   2.5   2.5   2.5   2.5   2.5   2.5   2.5   2.5   2.5	11/09/94 <sup>5</sup>		33.25										
33.30/95 33.25 24.81 8.44 3,900 86 19 180 210	12/14/94		33.25	22.74	10.51								
106/30/95 33.25 23.11 10.14 1,500 75 21 72 72 1 109/22/95 33.25 22.05 11.20 3,400 94 24 110 110 1 109/22/95 33.25 22.26 10.99 7,500 100 <0.5 160 120 130 1 130/30/896 33.25 22.26 10.99 7,500 100 <0.5 160 120 130 1 130/30/896 33.25 23.28 9.97 3,200 69 6.8 100 88 19 1 106/21/96 33.25 23.28 9.97 3,200 69 6.8 100 88 19 1 109/27/96 33.25 22.47 10.78 7,000 98 12 150 130 53 1 10/3/97 33.25 24.43 8.82 5,700 43 9.3 110 95 17 1 10/3/397 33.25 24.43 8.82 5,700 43 9.3 110 95 17 1 10/3/30/97 33.25 MONITORED ANNUALLY	03/30/95		33.25	24.81	8.44								
19/22/95 33.25 22.05 11.20 3,400 94 24 110 110	06/30/95		33.25	23.11	10.14								
12/11/95	09/22/95		33.25	22.05	11.20		3,400	94					
13/08/96   33.25   24.79   8.46     3,600   93   8.9   110   88   82	12/11/95		33.25	22.26	10.99		7,500	100	< 0.5			130	
33.25 23.28 9.97 3,200 69 6.8 100 88 19  19/27/96 33.25 22.47 10.78 7,000 98 12 150 130 53  10/03/97 33.25 24.43 8.82 5,700 43 9.3 110 95 17  10/3/28/97 33.25 23.60 9.65 4,900 52 4.7 70 47 50  10/3/28/98 33.25 24.78 8.47 3,300 33 4.2 110 61 <25  10/3/28/98 33.25 24.34 8.91 2,600 34 16 34 19 76 <sup>10</sup> 10/3/21/00 33.25 24.43 8.82 4,300 8.45 42.3 61.1 20.3 33.8  10/3/21/00 33.25 MONITORED ANNUALLY  10/3/28/00 33.25 MONITORED/SAMPLED ANNUALLY  10/3/21/00 33.25 23.75 9.50 0.00 2,980 <sup>11</sup> 37.4 4.12 22.3 11.3 40.4  10/9/04/01 33.25 MONITORED/SAMPLED ANNUALLY  10/3/21/02 33.25 23.86 9.39 0.00 3,500 <20 2.0 15 8.3 <10  10/9/04/02 33.25 MONITORED/SAMPLED ANNUALLY  10/3/31/03 33.25 23.45 9.80 0.00 4,700 <20 2.1 22 11 <50  10/9/04/04 32.80 MONITORED/SAMPLED ANNUALLY  10/9/05/04 32.80 MONITORED/SAMPLED ANNUALLY	03/08/96		33.25	24.79	8.46								
109/27/96 33.25 22.47 10.78	06/21/96		33.25	23.28	9.97								
01/03/97 33.25 24.43 8.82 5,700 43 9.3 110 95 17 03/28/97 33.25 23.60 9.65 4,900 52 4.7 70 47 50 09/30/97 33.25 MONITORED ANNUALLY	09/27/96		33.25	22.47	10.78		7,000						
33.28/97 33.25 23.60 9.65 4,900 52 4.7 70 47 50 109/30/97 33.25 MONITORED ANNUALLY	01/03/97		33.25	24.43	8.82								
109/30/97 33.25 MONITORED ANNUALLY	03/28/97		33.25	23.60	9.65								
33/19/99 33.25 24.34 8.91 2,600 34 16 34 19 76 <sup>10</sup> 23/21/00 33.25 24.43 8.82 4,300 8.45 42.3 61.1 20.3 33.8 28/28/00 33.25 MONITORED/SAMPLED ANNUALLY	09/30/97		33.25	MONITORED	ANNUALLY								
33/19/99 33.25 24.34 8.91 2,600 34 16 34 19 76 <sup>10</sup> 23/21/00 33.25 24.43 8.82 4,300 8.45 42.3 61.1 20.3 33.8 28/28/00 33.25 MONITORED/SAMPLED ANNUALLY	03/28/98		33.25	24.78	8.47		3,300 <sup>8</sup>	33	4.2	110	61	<25	
33.25	03/19/99		33.25	24.34	8.91		2,600	34					
33.25 MONITORED/SAMPLED ANNUALLY	03/21/00		33.25	24.43	8.82								
99/04/01 33.25 MONITORED/SAMPLED ANNUALLY	08/28/00		33.25	MONITORED	/SAMPLED AN	INUALLY							
09/04/01 33.25 MONITORED/SAMPLED ANNUALLY	03/02/01		33.25	23.75	9.50	0.00	2,98011	37.4	4.12	22.3	11.3	40.4	
33/21/02 33.25 23.86 9.39 0.00 3,500 <20 2.0 15 8.3 <10 19/04/02 33.25 MONITORED/SAMPLED ANNUALLY 13/31/03 33.25 23.45 9.80 0.00 4,700 <20 2.1 22 11 <50 19/17/03 ◆ 32.80 MONITORED/SAMPLED ANNUALLY 13/05/04 <sup>12</sup> 32.80 23.70 9.10 0.00 5,500 3 2 58 17 <0.5 19/04/04 33.80 MONITORED (SAMPLED ANNUALLY)	09/04/01		33.25	MONITORED	/SAMPLED AN	NUALLY							
19/04/02 33.25 MONITORED/SAMPLED ANNUALLY	03/21/02		33.25	23.86	9.39	0.00	3,500	<20					
33/31/03 33.25 23.45 9.80 0.00 4,700 <20 2.1 22 11 <50 19/17/03 ◆ 32.80 MONITORED /SAMPLED ANNUALLY 13/05/04 <sup>12</sup> 32.80 23.70 9.10 0.00 5,500 3 2 58 17 <0.5 19/03/04 32.80 MONITORED /SAMPLED ANNUALLY	09/04/02		33.25	MONITORED	SAMPLED AN	NUALLY							
99/17/03 • 32.80 MONITORED/SAMPLED ANNUALLY	03/31/03		33.25	23.45	9.80	0.00	4,700	<20	2.1	22	11		
13/05/04 <sup>12</sup> 32.80 23.70 9.10 0.00 5,500 3 2 58 17 <0.5	09/17/03	<b>♦</b>	32.80	MONITORED	/SAMPLED AN	NUALLY							
10/02/04 22.90 MONITODED (CAMBLED ADMILLALLY	03/05/04 <sup>12</sup>		32.80	23.70	9.10	0.00	5,500	3	2	58	17		
	09/03/04		32.80	MONITORED	/SAMPLED AN	NUALLY							

Table 1
Groundwater Monitoring Data and Analytical Results

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WELL ID/	TOC	GWE	DTW	SPHT	TPH-GRO	В	T	E	X	MTBE	HVOCs
DATE	(fl.)	(msl)	(ft.)	(ft.)	(μg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(μg/L)	(μg/L)
C-8 (cont)											
03/02/0512	32.80	23.94	8.86	0.00	3,300	4	0.8	17	9	< 0.5	
09/02/05	32.80	MONITORED					0+4)	-			-
03/24/0612	32.80	25.13	7.67	0.00	4,000	0.9	0.7	18	8	< 0.5	
03/05/0712	32.80	23.26	9.54	0.00	8,100	1	1	66	19	< 0.5	2
03/17/0812	33.25	23.45	9.80	0.00	8,800	2	1	62	18	<0.5	
03/03/0912	33.25	23.52	9.73	0.00	7,400	0.8	0.7	56	11	<0.5	-
03/17/1012	33.25	23.98	9.27	0.00	8,700	1	0.8	51	11	< 0.5	4
03/04/1112	33.25	23.32	9.93	0.00	8,900	1	0.6	37	8	<0.5	22
C-9											
09/07/90	33.43	19.37	14.06	-	<50	< 0.5	< 0.5	< 0.5	< 0.5		
12/20/90	33.43	19.40	14.03	144	<50	< 0.5	< 0.5	<0.5	<0.5	40	
03/06/91	33.43	21.31	12.12	7-0	<50	< 0.5	< 0.5	< 0.5	<0.5		
06/28/91	33.43	21.02	12.41	44	<50	< 0.5	< 0.5	< 0.5	< 0.5		122
09/26/91	33.43	19.41	14.02	(re-	< 50	< 0.5	< 0.5	< 0.5	<0.5	-	
01/27/92	33.43	20.90	12.53	146	< 50	< 0.5	< 0.5	< 0.5	< 0.5	-	1
04/20/92	33.43	23.21	10.22		< 50	< 0.5	< 0.5	< 0.5	< 0.5	-	
07/17/92	33.43	20.79	12.64		< 50	< 0.5	< 0.5	< 0.5	< 0.5	1227	100
10/29/92	33.43	19.23	14.20	1.00	< 50	< 0.5	< 0.5	< 0.5	< 0.5		***
01/20/93	33.43	23.71	9.72	4-9	< 50	< 0.5	< 0.5	< 0.5	< 0.5		-
05/03/93	33.43	23.66	9.55	97	<50	< 0.5	< 0.5	< 0.5	<1.5		
07/28/93	33.43	22.45	10.98		< 50	< 0.5	< 0.5	< 0.5	<1.5		
10/27/93	32.97	20.99	11.98		< 50	< 0.5	< 0.5	< 0.5	<1.5		
03/31/94	32.97	22.80	10.17	444	< 50	< 0.5	< 0.5	< 0.5	< 0.5	**	
06/08/94	32.97	22.44	10.53	-	< 50	< 0.5	< 0.5	< 0.5	< 0.5	-	3
09/29/94 <sup>2</sup>	32.97	20.57	12.40	(44)	<5,000	< 50	< 50	<50	<50	100	00
11/09/94 <sup>5</sup>	32.97			-	< 50	< 0.5	< 0.5	< 0.5	0.7	-	
12/14/94	32.97	22.48	10.49	44	69	1.1	2.2	3.4	7.8	4-	-
03/30/95	32.97	24.77	8.20		<50	< 0.5	< 0.5	< 0.5	<0.5		
06/30/95	32.97	23.00	9.97	1440	< 50	< 0.5	< 0.5	< 0.5	<0.5	100	-
09/22/95	32.97	21.90	11.07		< 50	< 0.5	< 0.5	< 0.5	< 0.5		2-1
12/11/95	32.97	21.89	11.08		< 50	< 0.5	< 0.5	<0.5	<0.5	< 0.5	-
03/08/96	32.97	24.77	8.20		< 50	< 0.5	< 0.5	<0.5	<0.5	<5.0	
06/21/96	32.97	23.16	9.81	-	<50	< 0.5	< 0.5	<0.5	<0.5	<5.0	

Table 1
Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-0504 15900 Hesperian Boulevard

		in Domisian	٦
San	Lorenzo,	California	

San Lorenzo, California  WELL ID/ TOC GWE DTW SPHT TPH-GRO B T E X MTRE HVOCs													
WELL ID/	TO	C GWE	DTW	SPHT	TPH-GRO	В	T	E	X	MTBE	HVOCs		
DATE	Gr.	(msl)	(ft.)	(ft,)	(μg/L)	(μg/L)	(µg/L)	(µg/L)	(μg/L)	(µg/L)	(μg/L)		
C-9 (cont)													
09/27/96	32.9	7 22.06	10.91	144	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	44		
01/03/97	32.9		8.67		<50	< 0.5	<0.5	<0.5	<0.5	<5.0	**		
03/28/97	32.9		9.47		<50	<0.5	<0.5	<0.5	< 0.5	<5.0	-		
09/30/97	32.9		11.61		<50	<0.5	<0.5	<0.5	<0.5	<5.0	-		
03/28/98	32.9		8.26		<50	< 0.5	< 0.5	<0.5	< 0.5	<2.5	444		
09/08/98	32.9		10.24	1,54	<50	5.7	1.4	1.4	1.8	4.9			
03/19/99	32.9		8.70	144	<50	<0.5	<0.5	<0.5	<0.5	<2.5			
09/21/99	32.9		10.97	-	<50	< 0.5	<0.5	< 0.5	<0.5	<5.0			
03/21/00	32.9		8.59	-	<50	< 0.5	< 0.5	<0.5	<0.5	<2.5			
08/28/00	32.9		10.95	0.00	<50	< 0.50	< 0.50	<0.50	< 0.50	<2.5	_		
03/02/01	32.9		9.40	0.00	<50.0	< 0.500	< 0.500	< 0.500	< 0.500	<5.00	55		
09/04/01	32.9		11.31	0.00	<50	< 0.50	< 0.50	< 0.50	<1.5	<2.5			
03/21/02	32.9		9.25	0.00	<50	< 0.50	< 0.50	< 0.50	<1.5	<2.5	4		
09/04/02	32.9		11.04	0.00	<50	< 0.50	< 0.50	< 0.50	<1.5	<2.5	-		
03/31/03	32.9		9.68	0.00	<50	< 0.5	< 0.5	< 0.5	<1.5	<2.5			
09/17/0312	32.9		10.98	0.00	<50	< 0.5	< 0.5	<0.5	< 0.5	<0.5	-		
03/05/0412	32,9	7 24.07	8.90	0.00	<50	< 0.5	< 0.5	< 0.5	<0.5	< 0.5	122		
09/03/0412	32.9	7 21.54	11.43	0.00	<50	< 0.5	< 0.5	<0.5	<0.5	<0.5			
03/02/0512	32.9		8.73	0.00	<50	< 0.5	<0.5	<0.5	< 0.5	< 0.5	144		
09/02/0512	32.9	7 22.38	10.59	0.00	<50	< 0.5	< 0.5	< 0.5	<0.5	<0.5			
03/24/06	32.9	7 24.30	8.67	0.00	DISCONTINU			-			-		
03/05/07	32.9	7 23.49	9.48	0.00		4	-	-	2.				
03/17/08	32.9		9.70	0.00		1.00	44	-					
03/03/09	32.9	7 23.37	9.60	0.00	,			-	200	-	-		
03/17/10	32.9	7 23.83	9.14	0.00	-	44		-			-		
03/04/11	32.9	7 23.71	9.26	0.00	-	O=	-	( <del>-</del>		_	_		
C-10													
09/07/90	31.6	3 19.14	12.49		<50	< 0.5	< 0.5	< 0.5	<0.5				
12/20/90	31.6		12.36	**	<50	<0.5	<0.5	<0.5	<0.5	-	-		
03/06/91	31.6		10.45	-	<50	<0.5	0.8	<0.5	0.8	15			
06/28/91	31.6		10.74		<50	<0.5	<0.5	<0.5	<0.5		-		
09/26/91	31.6		12.42	5-1	<50	<0.5	<0.5	<0.5	<0.5	-			
01/27/92	31.6		10.84	_	<50	<0.5	1.3	<0.5	<0.5	**	04		
	(D) 31.6		10.84	2	< <b>50</b>	<0.5	1.3	<0.5	<0.5 <0.5		22		
	, 51.0			-	<b>~</b> J <b>U</b>	~0.3	1.3	~0.5	<b>~</b> 0.5	**	-		

Table 1
Groundwater Monitoring Data and Analytical Results

San Lorenzo, California  WELL ID/ TOC GWE DTW SPHT TPH-GRO B T E X MTBE HVOCs													
		1.00000				A. C.	r	Ē	X	MTBE	HVOCs		
DATE	(fl.)	(msl)	(ft)	(ft.)	(μg/L)	(µg/L)	(µg/L)	(μg/L)	(μg/L)	(μg/L)	(µg/L)		
C-10 (cont)													
04/20/92	31.63	23.06	8.55		<50	< 0.5	< 0.5	< 0.5	< 0.5				
07/17/92	31.63	20.61	11.02		<50	< 0.5	<0.5	< 0.5	<0.5				
10/29/92	31.63	19.23	12.40		< 50	< 0.5	<0.5	<0.5	< 0.5				
01/20/93	31.63	23.49	8.14		<50	< 0.5	<0.5	<0.5	< 0.5				
05/03/93	31.63	23.71	7.92		<50	< 0.5	<0.5	<0.5	<1.5				
07/28/93	31.63	22.27	9.36		<50	< 0.5	<0.5	<0.5	<1.5				
10/27/93	31.16	20.86	10.30		<50	< 0.5	<0.5	<0.5	<1.5				
03/31/94	31.16	22.71	8.45		<50	< 0.5	<0.5	<0.5	< 0.5				
06/08/94	31.16	22.31	8.85		<50	< 0.5	<0.5	<0.5	<0.5				
09/29/94 <sup>2</sup>	31.16	20.46	10.70		<5,000	<50	<50	<50	<50				
11/09/94 <sup>5</sup>	31.16				<50	< 0.5	1.4	0.8	1.2				
12/14/94	31.16	22.55	8.61		110	3.9	5.4	4.3	11		••		
03/30/95	31.16	24.51	6.65		<50	< 0.5	< 0.5	<0.5	< 0.5				
06/30/95	31.16	22.86	8.30		<50	1.5	1.5	<0.5	2.2				
09/22/95	31.16	21.75	9.41		< 50	< 0.5	< 0.5	< 0.5	< 0.5				
12/11/95	31.16	21.89	9.27		<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			
03/08/96	31.16	24.53	6.63		<50	< 0.5	< 0.5	< 0.5	0.5	< 5.0			
06/21/96	31.16	23.04	8.12		< 50	< 0.5	< 0.5	< 0.5	<0.5	< 5.0			
09/27/96	31.16	21.95	9.21		<50	< 0.5	< 0.5	< 0.5	<0.5	< 5.0			
01/03/97	31.16	23.84	7.32		<50	< 0.5	< 0.5	< 0.5	< 0.5	<5.0			
03/28/97	31.16	23.34	7.82		<50	1.2	1.8	< 0.5	0.8	<5.0			
09/30/97	31.16	21.34	9.82		<250 <sup>9</sup>	<2.5	<2.5	<2.5	<2.5	<25			
03/28/98	31.16	24.60	6.56		<50	< 0.5	0.52	< 0.5	< 0.5	<2.5			
09/08/98	31.16	22.65	8.51		<50	< 0.5	< 0.5	< 0.5	<0.5	<2.5			
03/19/99	31.16	24.00	7.16		<50	< 0.5	< 0.5	< 0.5	< 0.5	9.210			
09/21/99	31.16	21.87	9.29		<50	< 0.5	< 0.5	< 0.5	< 0.5	6.38			
03/21/00	31.16	24.54	6.62		<50	< 0.5	< 0.5	< 0.5	< 0.5	10.6			
08/28/00	31.16	21.86	9.30	0.00	<50	< 0.50	< 0.50	< 0.50	< 0.50	7.7			
03/02/01	31.16	23.41	7.75	0.00	<50.0	< 0.500	< 0.500	< 0.500	< 0.500	<5.00			
09/04/01	31.16	21.54	9.62	0.00	<50	< 0.50	< 0.50	< 0.50	<1.5	<2.5			
03/21/02	31.16	23.56	7.60	0.00	< 50	< 0.50	< 0.50	< 0.50	<1.5	<2.5			
09/04/02	31.16	21.76	9.40	0.00	< 50	< 0.50	< 0.50	< 0.50	<1.5	<2.5			
03/31/03	31.16	23.14	8.02	0.00	<50	< 0.5	< 0.5	< 0.5	<1.5	<2.5			
09/17/03 <sup>12</sup>	31.16	21.85	9.31	0.00	<50	< 0.5	< 0.5	< 0.5	<0.5	0.8			
03/05/04 <sup>12</sup>	31.16	23.88	7.28	0.00	<50	< 0.5	< 0.5	< 0.5	< 0.5	0.5			
09/03/04 <sup>12</sup>	31.16	21.50	9.66	0.00	<50	< 0.5	< 0.5	< 0.5	< 0.5	<0.5			

## Table 1 Groundwater Monitoring Data and Analytical Results

F1					San Lorenzo,	California					
WELL ID/	TOC	GWE	DTW	SPHT	TPH-GRO	В	r	E	X	MTBE	HVOCs
DATE	(fL)	(msl)	(ft.)	(ft.)	(μg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(μg/L)	(µg/L)
C-10 (cont)											
03/02/0512	31.16	24.08	7.08	0.00	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	
09/02/0512	31.16	22.35	8.81	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
03/24/06	31.16	23.54	7.62	0.00		ED SAMPLING				~0.5	
03/05/07	31.16	23.39	7.77	0.00			44			-	
03/17/08	31.16	21.56	9.60	0.00		122		2		-	
03/03/09	31.16	23.26	7.90	0.00	2	1		-		-	_
03/17/10	31.16	23.69	7.47	0.00		-		-		-	2
03/04/11	31.16	22.84	8.32	0.00		-	-	- 10	G <del>4</del> la		
	2,502	7937	5.02	0100			12	-		-	-
C-11											
09/07/90	31.58	19.36	12.22		<50	< 0.5	< 0.5	< 0.5	< 0.5	44	
12/20/90	31.58	19.50	12.08		<50	<0.5	<0.5	<0.5	<0.5	-	-
03/06/91	31.58	15.43	16.15		<50	<0.5	<0.5	<0.5	<0.5		
06/28/91	31.58	21.06	10.52	-	<50	<0.5	<0.5	< 0.5	<0.5		
09/26/91	31.58	19.38	12.20		<50	<0.5	<0.5	< 0.5	<0.5	-	
01/27/92	31.58	20.85	10.73		<50	<0.5	0.8	<0.5	<0.5	-	4
04/20/92	31.58	23.02	8.56		<50	<0.5	< 0.5	< 0.5	<0.5		2
07/17/92	31.58	20.80	10.78	-	<50	<0.5	<0.5	<0.5	< 0.5	22	-
10/29/92	31.58	19.51	12.07		<50	<0.5	< 0.5	<0.5	<0.5	_	2.
01/20/93	31.58	21.61	7.97	704	<50	<0.5	<0.5	< 0.5	<0.5	2	-
05/03/93	31.58	23.63	7.95	1-1	<50	<0.5	<0.5	<0.5	<1.5	-	
07/28/93	31.58	22.27	9.31	200	<50	<0.5	<0.5	< 0.5	<1.5		
10/27/93	31.23	21.06	10.17	11.44	<50	<0.5	<0.5	<0.5	<1.5		
03/31/94	31.23	22.80	8.43		<50	<0.5	<0.5	<0.5	<0.5		444
06/08/94	31.23	22.47	8.76	144	<50	<0.5	< 0.5	<0.5	< 0.5	22	04
09/29/94	31.23	20.69	10.54		<50	<0.5	<0.5	<0.5	<0.5	2	-
11/09/94					<50	<0.5	0.6	<0.5	0.7		-
12/14/94	31.23	22.73	8.50	1,00	51	1.1	1.7	1.6	4.0	-	-
03/30/95	31.23	24.38	6.85		<50	<0.5	<0.5	< 0.5	< 0.5	-	-
06/30/95	31.23	22.89	8.34	-	<50	<0.5	<0.5	<0.5	<0.5		-
09/22/95	31.23	21.93	9.30	-	<50	<0.5	<0.5	<0.5	<0.5		-
12/11/95	31.23	22.22	9.01	14	<50	<0.5	<0.5	<0.5	1.1	1.1	-
03/08/96	31.23	24.33	6.90	- 12	<50	<0.5	0.6	<0.5	1.6	<5.0	
06/21/96	31.23	23.13	8.10	- 1	<50	<0.5					-
00/21/90	31.23	23.13	8.10		<50	<0.5	< 0.5	< 0.5	< 0.5	< 5.0	

Table 1
Groundwater Monitoring Data and Analytical Results

San Lorenzo, California											
WELL ID/	TOC	GWE	DTW	SPHT	TPH-GRO	В	T	E	X	MTBE	HVOCs
DATE	(ft.)	(msl)	(ft.)	(ft.)	(μg/ <b>L</b> )	(μg/L)	(µg/L)	(µg/L)	(µg/L)	(μg/L)	(μg/L)
C-11 (cont)											
09/27/96	31.23	22.16	9.07	••	<50	< 0.5	< 0.5	< 0.5	< 0.5	<5.0	
01/03/97	31.23	24.10	7.13		<50	<0.5	<0.5	<0.5	<0.5	<5.0	
03/28/97	31.23	21.40	9.83		120	12	20	2.3	14	<5.0	
09/30/97	31.23	21.56	9.67		<50	0.7	0.8	< 0.5	0.6	<5.0	
03/28/98	31.23	24.40	6.83		<50	<0.5	< 0.5	<0.5	<0.5	<2.5	
09/08/98	31.23	22.72	8.51		<50	<0.5	< 0.5	< 0.5	<0.5	<2.5	
03/19/99	31.23	24.06	7.17		<50	<0.5	< 0.5	<0.5	<0.5	<2.5	
09/21/99	31.23	22.02	9.21		<50	<0.5	<0.5	<0.5	<0.5	<5.0	
03/21/00	31.23	24.13	7.10		<50	<0.5	<0.5	<0.5	<0.5	<2.5	
08/28/00	31.23	22.04	9.19	0.00	<50	< 0.50	< 0.50	< 0.50	< 0.50	<2.5	
03/02/01	31.23	23.34	7.89	0.00	<50.0	< 0.500	< 0.500	< 0.500	< 0.500	< 5.00	
09/04/01	31.23	21.78	9.45	0.00	<50	< 0.50	< 0.50	< 0.50	<1.5	<2.5	
03/21/02	31.23	23.66	7.57	0.00	<250	<1.0	<1.0	<1.0	<3.0	<2.5	
09/04/02	31.23	21.98	9.25	0.00	<50	< 0.50	< 0.50	< 0.50	<1.5	<2.5	
03/31/03	31.23	23.26	7.97	0.00	<50	< 0.5	<0.5	<0.5	<1.5	<2.5	
09/17/03 <sup>12</sup>	31.23	22.04	9.19	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
03/05/04 <sup>12</sup>	31.23	23.88	7.35	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
09/03/0412	31.23	21.74	9.49	0.00	<50	< 0.5	<0.5	<0.5	<0.5	<0.5	
03/02/0512	31.23	24.18	7.05	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
09/02/0512	31.23	22.61	8.62	0.00	<50	< 0.5	<0.5	<0.5	<0.5	<0.5	
03/24/06	31.23	24.22	7.01	0.00		JED SAMPLING				~0.3 	
03/05/07	31.23	23.53	7.70	0.00							
03/17/08	31.23	22.30	8.93	0.00							
03/03/09	31.23	23.43	7.80	0.00							
03/17/10	31.23	23.67	7.56	0.00							
03/04/11	31.23	22.98	8.25	0.00							
	01.20	22.70	0.25	0.00							••
C-4											
06/06/89					<50	< 0.05	<1.0	<1.0	<3.0	••	
12/08/89					<500	< 0.5	< 0.5	<0.5	<0.5		
09/07/90	35.78	20.20	15.58		<50	<0.5	<0.5	<0.5	<0.5		
12/20/90	35.78	20.36	15.42		170	1.0	<0.5	<0.5	4.0		
03/06/91	35.78	22.24	13.54		<50	<0.5	<0.5	<0.5	<0.5		
06/28/91	35.78	21.85	13.93		<50	<0.5	<0.5	<0.5	<0.8		
09/26/91	35.78	20.14	15.64		<50	<0.5	<0.5	<0.5	<0.5		
09/26/91	35.78		15.64		<50 <50	<0.5	<0.5	<0.5			
	55.76		10.07		130	~0.5	~0.5	~0.5			

Table 1
Groundwater Monitoring Data and Analytical Results

San Lorenzo, California												
WELL ID/	TOC	GWE	DTW	SPHT	TPH-GRO	В	T	<b>C</b>	X	MTBE	HVOCs	
DATE	(ft.)	(msl)	(ft.)	(ft.)	(μg/L)	(μg/L)	(μg/L)	(µg/L)	(μg/L)	(μg/L)	(µg/L)	
C-4 (cont)							* ***					
01/27/92	35.78	21.82	13.96		<50	< 0.5	< 0.5	< 0.5	< 0.5			
04/20/92	35.78	24.07	11.71		< 50	< 0.5	<0.5	<0.5	< 0.5			
07/17/92	35.78	21.59	14.19		< 50	< 0.5	< 0.5	< 0.5	< 0.5			
10/29/92	35.78	20.06	15.72		< 50	< 0.5	< 0.5	<0.5	< 0.5			
01/20/93	35.78	24.61	11.17		< 50	< 0.5	< 0.5	<0.5	< 0.5			
05/03/93	35.78	24.84	10.94		<50	< 0.5	< 0.5	<0.5	< 0.5			
07/28/93	35.78	23.38	12.40		<50	< 0.5	< 0.5	<0.5	<1.5			
10/27/93	35.23	21.91	13.32		<50	< 0.5	< 0.5	< 0.5	<1.5			
03/31/94	35.23	<b>INACCESSIBLE</b>										
06/08/94	35.23	23.31	11.92		< 50	< 0.5	< 0.5	< 0.5	< 0.5			
09/29/94 <sup>2,4</sup>	35.23	21.47	13.76		<2,500	<25	<25	<25	<25		$ND^3$	
11/09/94 <sup>4,5</sup>	35.23				<50	< 0.5	< 0.5	< 0.5	< 0.5		$ND^3$	
12/14/94 <sup>6</sup>	35.23	23.44	11.79		< 50	2.1	3.0	1.9	3.7		$ND^3$	
03/30/95	35.23	26.22	9.01		< 50	< 0.5	< 0.5	< 0.5	< 0.5			
06/30/95	35.23	23.79	11.44		< 50	< 0.5	< 0.5	< 0.5	< 0.5			
09/22/95	35.23	22.72	12.51		< 50	< 0.5	< 0.5	< 0.5	< 0.5			
12/11/95	35.23	22.61	12.62		< 50	< 0.5	< 0.5	< 0.5	<0.5	< 0.5		
03/08/96	35.23	25.60	9.63		< 50	< 0.5	< 0.5	< 0.5	0.6	<5.0		
06/21/96	35.23	23.99	11.24		< 50	< 0.5	< 0.5	< 0.5	< 0.5	<5.0		
09/27/96	35.23	22.92	12.31		< 50	< 0.5	< 0.5	< 0.5	< 0.5	<5.0		
01/03/97	35.23	25.54	9.69		< 50	1.5	7.2	1.3	6.2	<5.0		
03/28/97	35.23	24.23	11.00		< 50	5.0	8.3	0.8	4.7	<5.0		
NOT MONITORE	ED/SAMPLED											
C-5												
06/06/89					< 50	< 0.05	< 0.05	<1.0	<3.0			
12/08/89					<500	<0.5	<0.5	<0.5	<0.5			
09/07/90	35.31	20.21	15.10		<50	<0.5	<0.5	<0.5	<0.5			
12/20/90	35.31	20.37	14.94		80	<0.5	<0.5	<0.5	<0.5			
03/06/91	35.31	22.25	13.06		<50	<0.5	<0.5	<0.5	<0.5			
06/28/91	35.31	21.85	13.46		<50	<0.5	<0.5	<0.5	<0.5			
09/26/91	35.31	20.17	15.14		<50	<0.5	<0.5	<0.5	<0.5			
01/27/92	35.31	22.00	13.31		<50	<0.5	<0.5	<0.5	<0.5			
04/20/92	35.31	24.21	11.10		<50	<0.5	<0.5	<0.5	<0.5			
07/17/92	35.31	21.58	13.73		<50	<0.5	<0.5	<0.5	<0.5 <0.5			
10/29/92	35.31	20.11	15.75		<50	<0.5	<0.5	<0.5	<0.5 <0.5		••	
	55.51	20.11	10.20	· <del>-</del>	~JU	~0.5	~0.5	~∪.3	<b>~</b> 0.5			

Table 1
Groundwater Monitoring Data and Analytical Results

San Lorenzo, California											
WELL ID/	TOC	GWE	DTW	SPHT	TPH-GRO	В	T	E	X	MTBE	HVOCs
DATE	(fl.)	(msl)	(ft.)	(ft.)	(μg/L)	(µg/L)	(μg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
C-5 (cont)									****		
01/20/93	35.31	24.59	10.72		<50	< 0.5	< 0.5	< 0.5	< 0.5		
05/03/93	35.31	24.88	10.43		<50	< 0.5	<0.5	< 0.5	<1.5		
07/28/93	35.31	23.50	11.81		<50	< 0.5	<0.5	<0.5	<1.5		
10/27/93	34.61	21.93	12.68		<50	<0.5	< 0.5	<0.5	<1.5		
03/31/94	34.61	23.61	$11.00^{1}$		<50	<0.5	< 0.5	< 0.5	<0.5		
06/08/94	34.61	23.35	11.26		<50	<0.5	<0.5	<0.5	<0.5		••
09/29/94 <sup>2</sup>	34.61	21.51	13.10		<2,500	<25	<25	<25	<25		
11/09/945	34.61				<50	< 0.5	< 0.5	< 0.5	<0.5		
12/14/94	34.61	23.24	11.37		<50	<0.5	<0.5	<0.5	<0.5		
03/30/95	34.61	25.64	8.97		<50	<0.5	<0.5	<0.5	<0.5		
06/30/95	34.61	23.78	10.83		<50	<0.5	<0.5	<0.5	<0.5		
09/22/95	34.61	22.72	11.89		<50	<0.5	<0.5	<0.5	<0.5		
12/11/95	34.61	22.83	11.78		<50	<0.5	<0.5	<0.5	<0.5	<0.5	
03/08/96	34.61	25.59	9.02		<50	<0.5	<0.5	<0.5	<0.5	<5.0	
06/21/96	34.61	23.97	10.64		<50	< 0.5	<0.5	<0.5	<0.5	<5.0	
09/27/96	34.61	23.04	11.57		<50	<0.5	<0.5	<0.5	<0.5	<5.0 <5.0	
01/03/97	34.61	25.59	9.02		<50	0.7	3.2	<0.5	2.2	<5.0	
03/28/97	34.61	24.23	10.38		<50	<0.5	< 0.5	<0.5	<0.5	<5.0	
NOT MONITORE			33.00			10.5	٧٠.5	<b>~0.5</b>	₹0.5	<b>\</b> 3.0	
C-6											
12/08/89					< 500	< 0.5	< 0.5	< 0.5	< 0.5		
09/07/90	36.89	20.06	16.83		57	< 0.5	< 0.5	0.6	4.0		
12/20/90	36.89	20.23	16.66		< 50	< 0.5	< 0.5	< 0.5	< 0.5		
03/06/91	36.89	22.09	14.80		< 50	< 0.5	< 0.5	< 0.5	< 0.5		
06/28/91	36.89	21.73	15.16		< 50	< 0.5	< 0.5	< 0.5	< 0.5		
09/26/91	36.89	20.07	16.82		< 50	< 0.5	< 0.5	< 0.5	< 0.5		
01/27/92	36.89	21.45	15.44		< 50	< 0.5	< 0.5	<0.5	<0.5		
04/20/92	36.89	23.72	13.17		< 50	< 0.5	< 0.5	< 0.5	<0.5		
07/17/92	36.89	21.45	15.44		<50	< 0.5	< 0.5	<0.5	< 0.5		
10/29/92	36.89	19.91	16.98		<50	<0.5	<0.5	<0.5	<0.5		••
01/20/93	36.89	24.42	12.47		< 50	<0.5	<0.5	<0.5	<0.5		
05/03/93	36.89				<50	< 0.5	< 0.5	<0.5	<0.5		
07/28/93	36.89	23.03	13.86		<50	<0.5	< 0.5	<0.5	<1.5		
10/27/93	36.57	21.72	14.85		<50	<0.5	< 0.5	<0.5	<1.5		
03/31/94	36.57	23.57	13.00		<50	<0.5	<0.5	<0.5	<0.5		
						- 10	0.0	-0.5	٠٠.٥		

Table 1
Groundwater Monitoring Data and Analytical Results

San Lorenzo, California											
WELL ID/	TOC	GWE	DTW	SPHT	TPH-GRO	В	7	E	X	MTBE	HVOCs
DATE	(ft.)	(msl)	(ft.)	(ft.)	(μg/L)	(µg/L)	(μg/L)	(µg/L)	(µg/L)	(µg/L)	(μg/L)
C-6 (cont)											
06/08/94	36.57	23.13	13.44		< 50	< 0.5	< 0.5	<0.5	< 0.5		
09/29/94 <sup>2</sup>	36.57	21.69	14.88		<2,500	<25	<25	<25	<25		
11/09/94 <sup>5</sup>	36.57				<50	< 0.5	0.5	<0.5	< 0.5		
12/14/94	36.57	23.58	12.99		<50	0.9	1.5	1.3	2.6		
03/30/95	36.57	25.80	10.77		<50	< 0.5	<0.5	<0.5	<0.5		
06/30/95	36.57	23.95	12.62		<50	< 0.5	<0.5	<0.5	<0.5		
09/22/95	36.57	22.92	13.65		< 50	< 0.5	<0.5	<0.5	< 0.5		
12/11/95	36.57	22.89	13.68		140 <sup>8</sup>	< 0.5	<0.5	<0.5	< 0.5	<0.5	
03/08/96	36.57	25.84	10.73		<50	< 0.5	0.6	<0.5	<0.5	<5.0	
06/21/96	36.57	24.16	12.41		<50	< 0.5	< 0.5	<0.5	<0.5	<5.0	
09/27/96	36.57	23.10	13.47		<50	< 0.5	<0.5	<0.5	< 0.5	<5.0	
01/03/97	36.57	25.57	11.00		< 50	< 0.5	<0.5	<0.5	< 0.5	<5.0	
03/28/97	36.57	24.51	12.06		<50	< 0.5	< 0.5	<0.5	<0.5	<5.0	
NOT MONITOREI	D/SAMPLED										
TRIP BLANK											
09/07/90		••			< 50	< 0.5	< 0.5	< 0.5	< 0.5		
12/20/90					< 50	< 0.5	< 0.5	< 0.5	< 0.5		
03/06/91					< 50	< 0.5	< 0.5	< 0.5	< 0.5		
06/28/91					< 50	< 0.5	< 0.5	< 0.5	< 0.5		
09/26/91					< 50	< 0.5	< 0.5	< 0.5	< 0.5		
01/27/92					<50	< 0.5	< 0.5	< 0.5	< 0.5		
04/20/92					<50	< 0.5	< 0.5	< 0.5	< 0.5		
07/17/92					< 50	< 0.5	< 0.5	< 0.5	< 0.5		
10/29/92					< 50	< 0.5	< 0.5	< 0.5	< 0.5		
01/20/93					< 50	< 0.5	< 0.5	< 0.5	< 0.5		
05/03/93					< 50	< 0.5	< 0.5	< 0.5	<1.5		
07/28/93					< 50	< 0.5	< 0.5	< 0.5	<1.5		
10/27/93					< 50	< 0.5	< 0.5	< 0.5	<1.5		
03/31/94					< 50	< 0.5	< 0.5	< 0.5	< 0.5		
06/08/94					<50	< 0.5	< 0.5	< 0.5	< 0.5		
11/09/94					<50	< 0.5	< 0.5	< 0.5	< 0.5		
12/14/94	**				< 50	< 0.5	< 0.5	< 0.5	< 0.5		
03/30/95					<50	< 0.5	< 0.5	< 0.5	< 0.5		
06/30/95					<50	< 0.5	< 0.5	< 0.5	< 0.5		
09/22/95					< 50	< 0.5	< 0.5	< 0.5	< 0.5		

# Table 1 Groundwater Monitoring Data and Analytical Results

WELL ID/	TOC	GWE	DTW	SPHT	San Lorenzo, C	B	r	E	X	MTBE	HVOCs
DATE	(%)	(msl)	(fi.)	(ft.)	(µg/L)	(μg/L)	(µg/L)	(µg/L)	Α (μg/L)	WIBE (μg/L)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
					(16.2)	(PE) L)	(µgr£)	(µg(L)	(µg/L)	(#g/L)	(µg/L)
TRIP BLANK (cont					1.54						
12/11/95				*	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	44
03/08/96	-	-		~~	<50	< 0.5	< 0.5	< 0.5	< 0.5	<5.0	77
06/21/96	0			-	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	**
09/27/96	***	-			<50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	-
01/03/97		-		-	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	
03/28/97		<del></del>	-	> <del>+-</del> -	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	244
09/30/97				-	<50	< 0.5	< 0.5	< 0.5	< 0.5	<5.0	Cen.
03/28/98	***	**		-	<50	< 0.5	< 0.5	< 0.5	< 0.5	<2.5	
09/08/98	**			799	< 50	< 0.5	< 0.5	< 0.5	< 0.5	<2.5	***
03/19/99	100			-	< 50	< 0.5	< 0.5	< 0.5	< 0.5	<2.5	
09/21/99	**			22	<50	< 0.5	< 0.5	< 0.5	<0.5	< 5.0	
03/21/00	- 2		42	-	<50	< 0.5	< 0.5	< 0.5	<0.5	<2.5	
08/28/00	-	-	(**)		<50	< 0.50	< 0.50	< 0.50	< 0.50	<2.5	14
03/02/01		140	144	-	<50.0	< 0.500	< 0.500	< 0.500	< 0.500	<5.00	
09/04/01	-		4-		<50	< 0.50	< 0.50	< 0.50	<1.5	<2.5	-
QA							7,15,4	0.20	-1.5	4.5	100
03/21/02		2	179		<50	< 0.50	< 0.50	< 0.50	<1.5	<2.5	22
09/04/02		-		-	<50	<0.50	< 0.50	< 0.50	<1.5	<2.5	
03/31/03	-			44	<50	<0.5	< 0.5	<0.5	<1.5	<2.5	
09/17/0312	-		-		<50	<0.5	<0.5	<0.5	<0.5	<0.5	
03/05/0412	24			144	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
09/03/04 <sup>12</sup>		/	-		<50	<0.5	<0.5	<0.5	<0.5		-
03/02/0512		924		_	<50	<0.5	<0.5	<0.5		<0.5	_
09/02/0512					<50	<0.5			<0.5	< 0.5	-
03/24/06 <sup>12</sup>		-	-		<50		<0.5	<0.5	<0.5	< 0.5	-
03/05/07 <sup>12</sup>	-			<del>-</del>		<0.5	<0.5	<0.5	<0.5	< 0.5	
03/17/08 <sup>12</sup>				**	<50	<0.5	<0.5	<0.5	<0.5	< 0.5	
03/03/09 <sup>12</sup>	-	( <del></del>	-	-	<50	<0.5	<0.5	<0.5	< 0.5	< 0.5	-
DISCONTINUED	-	195	**	•	<50	< 0.5	< 0.5	< 0.5	< 0.5	<0.5	944

#### Table 1

#### Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-0504 15900 Hesperian Boulevard San Lorenzo, California

#### **EXPLANATIONS:**

Groundwater monitoring data and laboratory analytical results prior to August 28, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

TOC = Top of CasingGRO = Gasoline Range Organics  $(\mu g/L) = Micrograms per liter$ (ft.) = FeetB = Benzene(ppb) = Parts per billion GWE = Groundwater Elevation T = Toluene(D) = Duplicate(msl) = Mean sea level E = EthylbenzeneND = Not Detected DTW = Depth to Water X = Xylenes-- = Not Measured/Not Analyzed SPHT = Separate Phase Hydrocarbons MTBE = Methyl Tertiary Butyl Ether QA = Quality Assurance/Trip Blank TPH = Total Petroleum Hydrocarbons HVOCs = Halogenated Volatile Organic Compounds

- Toc elevations for wells C-2, C-3, C-7 and C-8 were inadvertently switched from September 17, 2003, to March 5, 2007. TOC's have been corrected as of March 17, 2008, to reflect the current TOC data.
- Depth to water measured from top of well vault.
- Detection limit raised due to foaming sample.
- Other HVOCs were not detected at detection limits of 0.5-1.0 ppb.
- Chloroform detected at <0.5 ppb.</p>
- All site monitoring wells were re-sampled due to an excessive number of foaming samples on the 09/29/94 event.
- 6 Chloroform detected at 1.8 ppb.
- Laboratory report indicates uncategorized compounds are not included in gas concentration.
- 8 Chromatogram pattern indicates an unidentified hydrocarbon.
- Laboratory report indicates sample diluted due to foaming.
- MTBE value was reported from a re-analyzation on 04/01/99.
- Laboratory report indicates weathered gasoline C6-C12.
- BTEX and MTBE by EPA Method 8260.

Table 2
Groundwater Analytical Results - Oxygenate Compounds

	San Lorenzo, California											
WELL ID	DATE	ETHANOL	TBA	MTBE	DIPE	ETBE	TAME					
		(μg/L)	(µg/L)	(µg/L)	(µg/L)	(μg/L)	(μg/L)					
C-1	03/19/99	<2,500	<500	270	<10	<10	<10					
	03/05/04	<50	4-	15	1 94	••	-					
	09/03/04	SAMPLED ANNUALLY			- 144							
	03/02/05	<50	**	1			-					
	03/24/06	<50	**	4	10.00	142	440					
	03/05/07	<50	-	14								
	03/17/08	<50		0.9	(ex		-					
	03/03/09	<50		0.8	-							
	03/17/10			0.5	1.00	-	44					
	03/04/11		÷	<0.5	2	-						
							-					
C-2	03/19/99	<2,500	<500	330	<10	<10	<10					
	03/05/04	<50		45								
	09/03/04	SAMPLED ANNUALLY		••	-	-						
	03/02/05	<50	-4.	< 0.5	(44)	44	-					
	03/24/06	<50		< 0.5	-							
	03/05/07	<50		< 0.5								
	03/17/08	<50	49	< 0.5		, L						
	03/03/09	<50		< 0.5	-	44	-					
	03/17/10			< 0.5	_	-						
	03/04/11	e	*	<0.5	-							
C-3	03/19/99	<500	<100	8.0	<2.0	<2.0	<2.0					
	03/05/04	<50		< 0.5								
	09/03/04	SAMPLED ANNUALLY			442	42						
	03/02/05	<50		< 0.5		150	G-1					
	03/24/06	<50		< 0.5			4-					
	03/05/07	<50		< 0.5	100	94	-					
	03/17/08	<50	*	< 0.5	**		44.					
	03/03/09	<50	4	< 0.5	44	4	-					
	03/17/10			< 0.5	(See)							
	03/04/11		( <del>2</del> .)	<0.5	-	-	-					

Table 2
Groundwater Analytical Results - Oxygenate Compounds

	San Lorenzo, California												
WELLID	DATE	ETHANOL	TBA	MTBE	DIPE	ETBE	TAME						
		(μg/L)	(µg/L)	(µg/L)	(µg/L)	(μg/L)	(μg/L)						
C-7	03/19/99	<500	<100	<2.0	<2.0	<2.0	<2.0						
	03/05/04	<50	-	< 0.5		4							
	09/03/04	SAMPLED ANNUALLY	Y										
	03/02/05	<50		< 0.5	-	C-2-	12						
	03/24/06	<50		< 0.5	1.00	42	-						
	03/05/07	<50	-	< 0.5	1.2	-							
	03/17/08	<50	-	< 0.5	-								
	03/03/09	<50		< 0.5		r <del>é</del> q.	-						
	03/17/10	1/ <del>17</del> %	-	< 0.5	-	7	24.9						
	03/04/11	2	_	<0.5	-	_	-						
C-8	03/19/99	<500	<100	10	<2.0	<2.0	<2.0						
	03/05/04	<50		< 0.5									
	09/03/04	SAMPLED ANNUALLY	Y		-		144						
	03/02/05	< 50	-	< 0.5									
	03/24/06	<50		< 0.5	100	<del></del>							
	03/05/07	<50	**	< 0.5			4-						
	03/17/08	<50	-	< 0.5	F 84		-						
	03/03/09	<50		< 0.5									
	03/17/10			< 0.5			900						
	03/04/11		<del></del>	<0.5			1+						
-9	09/17/03	< 50	-	< 0.5	-26		344						
	03/05/04	<50		< 0.5		44.							
	09/03/04	<50		< 0.5			-						
	03/02/05	<50		< 0.5		1	(44)						
	09/02/05	< 50		< 0.5									
	03/24/06	DISCONTINUED SAMI	PLED		-								
-10	03/19/99	<500	<100	6.7	<2.0	<2.0	<2.0						
	09/17/03	<50		0.8									
	03/05/04	< 50	7 <del>24</del>	0.5	-	- <del>R</del> o							
	09/03/04	<50	**	< 0.5	- 2	42	-						

Table 2
Groundwater Analytical Results - Oxygenate Compounds

WELL ID	DATE	ETHANOL	TBA	MTBE	DIPE	ETBE	TAME
		(μg/L)	(μg/L)	(µg/L)	(µg/L)	(μg/L)	(μg/L)
C-10 (cont)	03/02/05	<50		<0.5	T dee.		
	09/02/05	<50	1 1 1 7 <del>4</del> 7	< 0.5	144		**
	03/24/06	DISCONTINUED SAMI	PLED	-		o <del>4</del>	-
C-11	09/17/03	<50	ŭ.	<0.5		2	4
	03/05/04	<50		<0.5	-		-
	09/03/04	<50		< 0.5	-	22	- 2
	03/02/05	<50		< 0.5	Trans	4	
	09/02/05	<50		< 0.5		-	
	03/24/06	DISCONTINUED SAMI	PLED		Take	1. <del>77.</del> 1	ě.

### Table 2

### Groundwater Analytical Results - Oxygenate Compounds

Chevron Service Station #9-0504 15900 Hesperian Boulevard San Lorenzo, California

#### **EXPLANATIONS:**

Groundwater laboratory analytical results before September 17, 2003, were compiled from reports prepared by Blaine Tech Services, Inc.

TBA = t-Butyl alcohol

MTBE = Methyl Tertiary Butyl Ether

DIPE = di-Isopropyl ether

ETBE = Ethyl t-butyl ether

TAME = t-Amyl methyl ether

 $(\mu g/L)$  = Micrograms per liter

-- = Not Analyzed

## STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

Gettler-Ryan Inc. (GR) field personnel adhere to the following procedures for the collection and handling of groundwater samples prior to analysis by the analytical laboratory. All work is performed in accordance with the GR Health & Safety Plan and all client-specific programs. The scope of work and type of analysis to be performed is determined prior to commencing field work.

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

After water levels are collected and prior to sampling, if purging is to occur, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, peristaltic or Grundfos), or disposable bailers. Temperature, pH and electrical conductivity are measured a minimum of three times during the purging (additional parameters such as dissolved oxygen, oxidation reduction potential, turbidity may also be measured, depending on specific scope of work.). Purging continues until these parameters stabilize.

Groundwater samples are collected using disposable bailers. The water samples are transferred from the bailer into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used. 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, as directed by the scope of work. 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.

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



Client/Facility#:	Chevron #9-0504		Job Number:	385259	
Site Address:	15900 Hesperian	Blvd.	Event Date:	3/4/4	(inclusive)
City:	San Lorenzo, CA		Sampler:	DE	(**************************************
Well ID	C		Date Monitored:	3/4/11	
Well Diameter	2 /(3') in.	[·	Volume 3/4"= 0.0	02 1"= 0.04 2"= 0.17	3"= 0.38
Total Depth	18.39 ft.	_ [	Factor (VF) 4"= 0.6		
Depth to Water	\$7( ft. 9.68 xVF	Check if water c	column is less then 0.5	O ft.	
Depth to Water v	w/ 80% Recharge [(Heigh	t of Water Column x 0	<u>の</u> x3 case volume = 0.20) + DTWI: <b>ノ</b> のん	Estimated Purge Volume	:gal.
				Time Started:	(2400 hrs)
Purge Equipment:		Sampling Equipm	nent:	Time Completed:	(2400 hrs)
Disposable Bailer		Disposable Bailer		Depth to Product:	ft
Stainless Steel Bailer		Pressure Bailer		Depth to Water: Hydrocarbon Thicki	
Stack Pump		Disorete Bailer		Visual Confirmation	ness:ft /Description:
Suction Pump		Peristaltic Pump		JJ	
Grundfos		QED Bladder Pum		Skimmer / Absorbar Amt Removed from	nt Sock (circle one) Skimmer: gal
Peristattic Pump		Other:		Amt Removed from	Well:gal
QED Bladder Pump				Water Removed: Product Transferred	to:
Other:				i roduct rransierred	10
Start Time (purge) Sample Time/Date Approx. Flow Rate Did well de-water?  Time (2400 hr.)  0923 0924	e: <u>0945 / 3 4</u> e: <u>1</u> gpm.	Water Conductivity (µmhos/cm (µS)	t Description:  /olume:  Temperature (C) F)  18.3  18.4	gal. DTW @ Samplin	ORP (mV)
SAMPLEID	(#) CONTAINER REFRI	LABORATORY G. PRESERV. TY	Y INFORMATION PE LABORATORY	ANAL	V050
C- 1	6 x voa vial YES	HCL	LANCASTER	ANAL TPH-GRO(8015)/BTEX+M	
					***DZ(0200)
COMMENTS:					
	7.				
Add/Replaced Lo	ck: XI Ac	ld/Replaced Plug	44	Add/Replaced Bolt: _	



Chentrachity#	: Chevron #9	-0504		Job Number:	385259	
Site Address:	15900 Hesp	erian Bl	vd.	Event Date:	3/4/11	(inclusive)
City:	San Lorenz	o, CA		Sampler:	KE	(1133313)
Well ID Well Diameter Total Depth Depth to Water  Depth to Water  Purge Equipment: Disposable Bailer Stainless Steel Bail Stack Pump Suction Pump	19.35 f 8.82 f 10-53 w/ 80% Recharg	_xVF _ e e [(Height of ) e E E E	Check if water colors  Water Column x 0.20  Bampling Equipment Disposable Bailer  Pressure Bailer Discrete Bailer	0) + DTW]: 18-9	2 1"= 0.04 2"= 0.17 6 5"= 1.02 6"= 1.50 0 ft.	(2400 hrs)ftft ss:ft
Grundfos Peristaltic Pump QED Bladder Pump Other:		C	Peristaltic Pump RED Bladder Pump Other:		Skimmer / Absorbant Amt Removed from N Amt Removed from W Water Removed: Product Transferred to	kimmer:gal /ell:gal
Approx. Flow Ra	ate: 1025 /3	gpm. yes, Time: pH 7.38 7.30	Sediment [  Conductivity (µmhos/cm - (S)  340  348  353	Description:  Ume:  Temperature  (C) F)  17.4  18.4		: 8,96 DRP mV)
		ī	ABORATORY I	NFORMATION		
SAMPLE ID  C- Z	(#) CONTAINER  ( x voa vial	YES	PRESERV. TYPE	LABORATORY	ANALYS	
COMMENTS:				11.13		
Add/Replaced L	.ock: _ <u> </u>	Add/F	Replaced Plug: _	-	Add/Replaced Bolt:	



Client/Facility#:	Chevron #9	-0504		Job Number:	385259	
Site Address:	15900 Hesp	erian Bl	vd.	Event Date:	3/4/4	(inclusive)
City:	San Lorenz	o, CA		Sampler:	BE	(110100710)
	19.40 f 10.83 f	_xVF e [(Height of	Check if water col  38 = 3.2  Water Column x 0.2	0) + DTW]: <u>12,5</u> 2	02 1"= 0.04 2"= 0.17 66 5"= 1.02 6"= 1.50 0 ft. = Estimated Purge Volume:	3"= 0.38 12"= 5.80 gal. (2400 hrs)
Purge Equipment: Disposable Bailer Stainless Steel Baile Stack Pump Suction Pump Grundfos Peristaltic Pump QED Bladder Pump Other:		] [ [ F	Sampling Equipment Disposable Bailer Pressure Bailer Discrete Bailer Peristaltic Pump QED Bladder Pump Other:		Time Completed: Depth to Product: Depth to Water: Hydrocarbon Thicknes Visual Confirmation/D Skimmer / Absorbant to Amt Removed from Si	(2400 hrs)ftft ss:ft escription:  Sock (circle one) kimmer: gal ell: gal
Start Time (purge Sample Time/Da Approx. Flow Ra Did well de-water Time (2400 hr.)	te: 105 / te: (	3 ct \( u \) gpm. yes, Time pH 7-4( 7-33 7,28	Sediment I	Description:	gal. DTW @ Sampling.	DRP mV)
SAMPLE ID  C- 3	(#) CONTAINER  ( x voa vial	REFRIG. YES	PRESERV. TYPE HCL	LABORATORY	ANALYS TPH-GRO(8015)/BTEX+MTE	
COMMENTS:						
Add/Replaced Lo	ock: <u> </u>	Add/F	Replaced Plug: _	311	Add/Replaced Bolt:	



Client/Facility#:	Chevron #9-0	504		Job Number:	385259		
Site Address:	15900 Hespe	rian Blvd.		Event Date:	3/4/4		nclusive)
City:	San Lorenzo	, CA		Sampler:	KE	(	noiusive)
Well ID Well Diameter Total Depth Depth to Water  Depth to Water v  Purge Equipment: Disposable Bailer Stainless Steel Bailer Stack Pump Suction Pump Grundfos Peristaltic Pump QED Bladder Pump Other:	w/ 80% Recharge	xVF= [(Height of Water Co	Volume Factor  water column 2  plumn x 0.20) +  Equipment:  Bailer  Bailer  Pump  der Pump	(VF) 4"= 0.6 n is less then 0.5 x3 case volume =	Time Started: Time Complet Depth to Prod Depth to Wate Hydrocarbon Visual Confirm Skimmer / Abs Amt Removed	ied:uct:	i gal
Start Time (purge) Sample Time/Date Approx. Flow Rate Did well de-water's  Time (2400 hr.)  0728  0731	e: 0745 / 3 e: g ? If y Volume (gal.)	pm. Sees, Time:  pH  Conc (µmhos)	ediment Des	Cloudy scription:	Odor: Y IN  J. Gk f gal. DTW @ Sar  D.O.  (mg/L)	orp (mV)	3
SAMPLE ID C-	(#) CONTAINER  (# x voa vial	REFRIG. PRES	ATORY INF ERV. TYPE HCL	FORMATION LABORATORY LANCASTER	TPH-GRO(8015)/BT	ANALYSES EX+MTBE(8260)	
COMMENTS:							
Add/Replaced Lo	ck: <u>X</u>	Add/Replace	d Plug: <u>C</u>	, , ,	Add/Replaced Bo	olt:	



Client/Facility#: Cnevron #9-0504				_ Job Number:	385259	
Site Address: 15900 Hesperian Blvd.			Event Date:	3/4/4	(inclusive)	
City:	San Lorenz	an Lorenzo, CA			KE	(
Well ID Well Diameter Total Depth Depth to Water  Depth to Water  Purge Equipment: Disposable Bailer Stainless Steel Bailer Stack Pump Suction Pump Grundfos Peristaltic Pump QED Bladder Pump Other:	24.83 ft 9.93 ft 14,90 w/ 80% Recharge	xVF Property (Height of State o	Fac Check if water colu	x3 case volume = ) + DTW]: <u>i こっ</u> く	02 1"= 0.04 2"= 0.17 3 66 5"= 1.02 6"= 1.50 12 0 ft. = Estimated Purge Volume:	(2400 hrs) (2400 hrs) ft ft ft ft ft ription:
Start Time (purge) Sample Time/Dat Approx. Flow Rat Did well de-water  Time (2400 hr.)  0 815	e: 0840 / .	35460 gpm. yes, Time. 7.31 7.18 7.08	Sediment D	r: Cloudy escription:	Odor: (Y) N St wodevcete gal. DTW @ Sampling:	
<del> </del>			LABORATORY II	NEODMATION		
SAMPLE ID  C- 8	(#) CONTAINER  (*) x voa viai	REFRIG. YES	PRESERV. TYPE HCL	LABORATORY	ANALYSES TPH-GRO(8015)/BTEX+MTBE(8	3260)
Add/Replaced Lo	ock: <u>X(</u>	Add/F	eplaced Plug:	211	Add/Replaced Bolt:	



### WELL MONITORING/SAMPLING FIELD DATA SHEET

Site Address:	Chevron #9	-0304		_ Job Number:	385259	
	15900 Hesp	erian Bl	vd.	Event Date:	34/11	(inclusive)
City:	San Lorenz	o, CA		Sampler:	KE	(o.ao.,vo)
Well ID	c-9			Date Monitored:	3(4111	
Well Diameter	(2)3 in	<u>n.</u>	Volu			
Total Depth	2724 f	<u>.                                    </u>		or (VF) 4"= 0.6		
Depth to Water	9.26 fl		Check if water colu	mn is less then 0.50	0 ft.	
	18,15				Estimated Purge Volume:	len
Depth to Water	w/ 80% Recharge	E [(Height of	Water Column x 0.20	+ DTWJ:		gui.
					Time Started:	(2400 hrs)
Purge Equipment:			ampling Equipment	:	Time Completed:	(2400 hrs)
Disposable Bailer Stainless Steel Baile			Disposable Bailer		Depth to Product: Depth to Water:	ft
Stack Pump	<u> </u>		Pressure Bailer Discrete Bailer		Hydrocarbon Thickness:	ft
Suction Pump	\ <u> </u>		Peristaltic Pump		Visual Confirmation/Descript	ion:
Grundfos			QED Bladder Pump		Skimmer / Absorbant Sock (d	circle one)
Peristaltic Pump			Other:		Amt Removed from Skimmer Amt Removed from Well:	: gal
QED Bladder Pump					■ Water Removed:	
Other:					Product Transferred to:	
Time (2400 hr.)	Volume (gal.)	рН	Conductivity (µmhos/cm us)	Temperature ( C / F )	D.O. ORP (my/L)	
SAMPLEID	(#) CONTAINER	REFRIG.	ABORATORY IN PRESERV. TYPE	IFORMATION LABORATORY		
C-	x voa vial	YES	HCL		ANALYSES TPH-GRO(8015)/BTEX+MTBE(826	0)
U-				2 310/10/21		0)
<u> </u>						
<u>-</u>				<del> </del>		
COMMENTS:		n	ND			



### WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#:	Chevron #9	-0504		Job Nui	mber:	385259	
Site Address:	15900 Hesp	erian Bl	vd.	Event D	)ate:	3/4/11	(inclusive)
City:	San Lorenz	o, CA		— Sample	r:	KE	()
Well ID Well Diameter Total Depth Depth to Water  Purge Equipment: Disposable Bailer Stainless Steet Bailer Stack Pump Suction Pump Grundfos Peristaltic Pump QED Bladder Pump	C- /C (2)/3 in 2/2,3% fr 8.3-2 fr 18.06 W/ 80% Recharge	xVF	Factorial Check if water co	Date Monitolume 3 actor (VF) lumn is less the x3 case volume 20) + DTW]:	tored: /4"= 0.02 4"= 0.66 en 0.50 plume = 1	Time Started: Time Completed: Depth to Product: Depth to Water: Hydrocarbon Thickness Visual Confirmation/Des Skimmer / Absorbant So Amt Removed from Well Water Removed:	(2400 hrs)(2400 hrs)ftft :ft :ft :cription:  ock (circle one) nmer: gal !: gal
Other:						Product Transferred to:_	
Start Time (purge) Sample Time/Dat Approx. Flow Rate Did well de-water  Time (2400 hr.)	e: / e:	pH	Water Col Sediment Vo Conductivity (µmhos/om - µS)	Description: olume: Temperate ( C / F	gare )	Odor: Y / N  al. DTW @ Sampling:  D.O. OR  (mg/L) (m/	P .
SAMPLE ID	(#) CONTAINER	REFRIG.	LABORATORY PRESERV. TYP		ON	ANALVOE	
C- C- COMMENTS:	x voa vial	YES	HCL	LANCAS		ANALYSE PH-GRO(8015)/BTEX+MTBE	
Add/Replaced Lo	ock: <u>X</u>	Add/	eplaced Plug.	211	A	\dd/Replaced Bolt:	



### WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#:	Chevron #9-0504		Job Number:	385259	
Site Address:	15900 Hesperian E	Blvd.	Event Date:	3/4/11	(inclusive)
City:	San Lorenzo, CA		Sampler:	KE	
Well ID Well Diameter Total Depth Depth to Water	C- () (2)3 in. 24,70 ft. 8,25 ft. 1(0.45 xVF) w/ 80% Recharge [(Height	Check if water colu	Date Monitored:  me 3/4"= 0.0:	2 1"= 0.04 2"= 0.17 5 5"= 1.02 6"= 1.50 1  2 1"= 0.04 2"= 0.17 6"= 1.50 1  3 ft.  Estimated Purge Volume:  Time Started: Time Completed: Depth to Product: Depth to Water: Hydrocarbon Thickness	(2400 hrs) (2400 hrs) ft ft :ft
Suction Pump Grundfos Peristaltic Pump QED Bladder Pump Other:		Peristaltic Pump QED Bladder Pump Other:		Visual Confirmation/Des Skimmer / Absorbant So Amt Removed from Skir Amt Removed from Wel Water Removed: Product Transferred to:	ock (circle one) nmer: gal l: gal
Approx. Flow Ra	ite: /	Weather Co Water Colo Sediment D  ne: Volu Conductivity (µmhos/cm µS)	r: escription:	Odor: Y / N  gal. DTVV @ Sampling:  D.O. OR (mg/L)	P
SAMPLE ID  C-	(#) CONTAINER REFRIG	LABORATORY II  B. PRESERV. TYPE  HCL	LABORATORY	ANALYSE TPH-GRO(8015)/BTEX+MTB	
COMMENTS:					
Add/Replaced L	.ock: Ad	d/Replaced Plug:		Add/Replaced Bolt:	

# Chevron California Region Analysis Request/Chain of Custody



Laboratories	136411 -1	<i>9</i> 5			A	oct. #	:16	30	90	7	San	For ple	# G	ast ac	) 3	H-1-	17-	98 UE	30 OI	<b>niy</b> Group	) #:	005	880
- Laboratories		CRA MTI	Ргоје	ect i	k 61 i	H-16	41	-			A	naly	/868	Rec	lues	ted	-	-	7	G#1			
Facility #: SS#9-0504 G-R#385259 Gk	obal ID#T060	0100302			Matrix						P	res	erva	tion	Coc	les		-				ive Co	
Site Address: 15900 HESPERIAN BLVD., S	SAN LORENZ	ZO, CA						Щ	7						$\Box$					H = HCl	T		sulfate
	ernan	$\vdash$		$\dashv$		- 1		Banup										N = HNO: S = H <sub>2</sub> SO		3 = Na( ) = Oth			
Chevron PM: MTI Lead Consultant/Office: G-R, Inc., 6747 Sierra Co	ourt, Suite J, I	Dublin, CA 9	4568		ble ES		<u>e</u>			<u>8</u>										☐ J value r	_		
Consultant Prj. Mgr.: Deanna L. Harding (d	teanna@grin	c.com)			Potable NPDES		Containers	8260- <b>FE</b> 8021	-	Silica Gel Claanup			-							Must me	et lowe	est dete	ction limits
Consultant Phone #: 925-551-7555	Fax # 925	-551-7899					9	剧					8	P P				- 1		/ possible			ounds
Sampler: KyleErbl	- " - "	Г	T				ğ	8	O GR	E O		Sega	Method	Method						8021 MTBI			3260
			osite			₹	Number	+ MTBE	S MO	5 MO	돐	Oxygenates	9	Lead						☐ Confirm		_	
Sample Identification	Date Collected	Time	Grab Composite	Soil	Water		1	BTEX+	TPH 8015 MOD GRO	TPH 8015 MOD DRO	8260 full scan	6	Total Lead	Dissolved Lead						☐ Run	oxy's	on high	est hit
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24 hour 4 day 5 day		_	//_	1	Sai	-7			3	14	ate	176	me 77	Re	CBİV		7		\			Date	Time
Data Package Options (please circle if required)	DF/FDD	Relinquist	led by:		,				_	,	ate	$\overline{}$	me	Be	ceiv	ed by	-			1	1	Date	Time
QC Summary Type I - Full  Type VI (Raw Data) Coeft Deliverable not nee		Retinquist	ed by (	Cogn	nercial	Carr	ier:						7	A B	ceive	ad by	r		- 1	1	$\rightarrow$	Dete	-
WIP (RWQCB)	ueu	UPS		dEx			ther_						_ \		~~ T	رب بہ		6		1	4	Date Date	Time Ovro
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2425 New Holland Pike, PO Box 12425, Lancester, PA 17605-2425 -717-656-2800 Fax: 717-656-2681 - www.lancesterlabs.com

#### ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories 2425 New Holland Pike Lancaster, PA 17605-2425 Prepared for:

Chevron c/o CRA Suite 107 10969 Trade Center Dr Rancho Cordova CA 95670

March 15, 2011

Project: 90504

Submittal Date: 03/05/2011 Group Number: 1236014 PO Number: 90504 Release Number: MTI State of Sample Origin: CA

MAR 1 5 2011

GETTLER-RYAN INC. **GENERAL CONTRACTORS** 

Client Sample Description	Lancaster Labs (LLI) #
C-1-W-110304 Grab Water	6223447
C-2-W-110304 Grab Water	6223448
C-3-W-110304 Grab Water	6223449
C-7-W-110304 Grab Water	6223450
C-8-W-110304 Grab Water	6223451

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC

Gettler-Ryan, Inc.

Attn: Rachelle Munoz

**COPY TO** 

**ELECTRONIC** Chevron c/o CRA

Attn: Report Contact

COPY TO

**ELECTRONIC** 

Attn: Anna Avina

**COPY TO** 

Chevron



2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 -717-656-2300 Fex 717-656-2661 - www.lancasterlabs.com

Questions? Contact your Client Services Representative Jill M Parker at (717) 656-2300 Ext. 1241

Respectfully Submitted,

Maria S. Lord Senior Specialist



Account

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Page 1 of 1

Sample Description: C-1-W-110304 Grab Water

Facility# 90504 Job# 385259 MTI# 61H-1641 GRD

15900 Hesperian-San Lorenz T0600100302 C-1

LLI Sample # WW 6223447 LLI Group # 1236014

# 12099

Project Name: 90504

Collected: 03/04/2011 09:45

by KE

Chevron c/o CRA

Suite 107

Submitted: 03/05/2011 09:50 Reported: 03/15/2011 11:17

10969 Trade Center Dr Rancho Cordova CA 95670

#### HSL01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles SW-846	8260B	ug/l	ug/l	
10943	Benzene	71-43-2	N.D.	0.5	7
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Vol	atiles SW-846	8015B	ug/l	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1

#### General Sample Comments

State of California Lab Certification No. 2501 Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX/MTBE 8260 Water	SW-846 8260B	1	Z110692AA	03/10/2011 12:56	Daniel H Heller	1
	GC/MS VOA Water Prep	SW-846 5030B	1	Z110692AA	03/10/2011 12:56		1
	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	11069B07A	03/11/2011 16:10	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	11069B07A	03/11/2011 16:10		1



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Page 1 of 1

Sample Description: C-2-W-110304 Grab Water

Facility# 90504 Job# 385259 MTI# 61H-1641 GRD

15900 Hesperian-San Lorenz T0600100302 C-2

LLI Sample # WW 6223448 LLI Group # 1236014 Account # 12099

Project Name: 90504

Collected: 03/04/2011 10:25

by KE

Chevron c/o CRA

Suite 107

Submitted: 03/05/2011 09:50 Reported: 03/15/2011 11:17

10969 Trade Center Dr Rancho Cordova CA 95670

#### HSL02

Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
Colatiles SW-846	8260B	ug/l	ug/l	
Benzene	71-43-2	N.D.	0.5	1
Ethylbenzene	100-41-4	N.D.	0.5	1
Methyl Tertiary Butyl Ether	1634-04-4	N.D.		1
oluene	108-88-3	N.D.	0.5	1
(Ylene (Total)	1330-20-7	N.D.	0.5	1
tiles SW-846	8015B	ug/l	ug/l	
PH-GRO N. CA water C6-C12	n.a.	N.D.	50	1
30	Colatiles SW-846 Senzene Sthylbenzene Sethyl Tertiary Butyl Ether Soluene Sylene (Total)  tiles SW-846	Tolatiles SW-846 8260B Senzene 71-43-2 Sthylbenzene 100-41-4 Sethyl Tertiary Butyl Ether 1634-04-4 Soluene 108-88-3 Sylene (Total) 1330-20-7 SW-846 8015B	Cas Number Result  Colatiles SW-846 8260B ug/l  Denzene 71-43-2 N.D.  Chthylbenzene 100-41-4 N.D.  Dethyl Tertiary Butyl Ether 1634-04-4 N.D.  Coluene 108-88-3 N.D.  Cylene (Total) 1330-20-7 N.D.  Tiles SW-846 8015B ug/l	As Received Result Method Detection Limit  Colatiles SW-846 8260B ug/l ug/l  Senzene 71-43-2 N.D. 0.5  Sthylbenzene 100-41-4 N.D. 0.5  Sethyl Tertiary Butyl Ether 1634-04-4 N.D. 0.5  Soluene 108-88-3 N.D. 0.5  Sylene (Total) 1330-20-7 N.D. 0.5  tiles SW-846 8015B ug/l ug/l

#### General Sample Comments

State of California Lab Certification No. 2501 Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
	BTEX/MTBE 8260 Water	SW-846 8260B	1	Z110692AA	03/10/2011 14:08	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z110692AA	03/10/2011 14:08	Daniel H Heller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	11069B07A	03/11/2011 16:36	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	11069B07A	03/11/2011 16:36	Marie D John	1



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Page 1 of 1

Sample Description: C-3-W-110304 Grab Water

Facility# 90504 Job# 385259 MTI# 61H-1641 GRD

15900 Hesperian-San Lorenz T0600100302 C-3

LLI Sample # WW 6223449 LLI Group # 1236014

Account # 12099

Project Name: 90504

Collected: 03/04/2011 11:05

by KE

Chevron c/o CRA

Suite 107

Submitted: 03/05/2011 09:50 Reported: 03/15/2011 11:17

10969 Trade Center Dr Rancho Cordova CA 95670

HSL03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles SW-846	8260B	ug/l	ug/l	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Vol	atiles SW-846	8015B	ug/l	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1
10943 10943 10943 <b>GC Vol</b>	Methyl Tertiary Butyl Ether Toluene Xylene (Total)  atiles SW-846	1634-04-4 108-88-3 1330-20-7	N.D. N.D. N.D. ug/1	0.5 0.5 0.5 ug/l	1 1 1 1

#### General Sample Comments

State of California Lab Certification No. 2501 Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX/MTBE 8260 Water	SW-846 8260B	1	Z110692AA	03/10/2011 14:32	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z110692AA	03/10/2011 14:32		1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	11069B07A	03/11/2011 17:01	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	11069B07A	03/11/2011 17:01		ī



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Page 1 of 1

Sample Description: C-7-W-110304 Grab Water

Facility# 90504 Job# 385259 MTI# 61H-1641 GRD

15900 Hesperian-San Lorenz T0600100302 C-7

LLI Sample # WW 6223450 LLI Group # 1236014 Account # 12099

Project Name: 90504

Collected: 03/04/2011 07:45

by KE

Chevron c/o CRA

Suite 107

Submitted: 03/05/2011 09:50

10969 Trade Center Dr

Reported: 03/15/2011 11:17

Rancho Cordova CA 95670

#### HSL07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles SW-846	8260B	ug/l	ug/l	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	0.6	0.5	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	ī
GC Vol	latiles SW-846	8015B	ug/l	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1

#### General Sample Comments

State of California Lab Certification No. 2501 Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX/MTBE 8260 Water	SW-846 8260B	1	Z110692AA	03/10/2011 14:55	Daniel H Heller	1
	GC/MS VOA Water Prep	SW-846 5030B	1	Z110692AA	* · · · · · · · · · · · · · · · · · · ·		1
	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	11069B07A	03/11/2011 17:26	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	11069B07A		Marie D John	1



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Page 1 of 1

Sample Description: C-8-W-110304 Grab Water

Facility# 90504 Job# 385259 MTI# 61H-1641 GRD 15900 Hesperian-San Lorenz T0600100302 C-8

LLI Sample # WW 6223451 LLI Group # 1236014

Account # 12099

Project Name: 90504

Collected: 03/04/2011 08:40 by KE

Chevron c/o CRA

Suite 107

Submitted: 03/05/2011 09:50

10969 Trade Center Dr

Reported: 03/15/2011 11:17

Rancho Cordova CA 95670

#### HSL08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles SW-846	8260B	ug/l	ug/l	
10943	Benzene	71-43-2	1	0.5	1
10943	Ethylbenzene	100-41-4	37	0.5	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10943	Toluene	108-88-3	0.6	0.5	1
10943	Xylene (Total)	1330-20-7	8	0.5	1
GC Vol	latiles SW-846	8015B	ug/l	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	8,900	250	5

#### General Sample Comments

State of California Lab Certification No. 2501 Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX/MTBE 8260 Water	SW-846 B260B	1	Z110692AA	03/10/2011 15:19	Daniel H Heller	1
	GC/MS VOA Water Prep	SW-846 5030B	1	Z110692AA	03/10/2011 15:19	Daniel H Heller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	11069B07A	03/12/2011 13:29	Marie D John	5
01146	GC VOA Water Prep	SW-846 5030B	1	11069B07A	03/12/2011 13:29	Marie D John	5



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Page 1 of 2

### Quality Control Summary

Client Name: Chevron c/o CRA Reported: 03/15/11 at 11:17 AM

Group Number: 1236014

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD <u>Limits</u>	RPD	RPD Max
Batch number: Z110692AA	Sample numb	er(s): 622	3447-6223	451				
Benzene	N.D.	0.5	uq/l	105		79-120		
Ethylbenzene	N.D.	0.5	ug/l	107		79-120		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	111		76-120		
Toluene	N.D.	0.5	ug/l	105		79-120		
Xylene (Total)	N.D.	0.5	ug/l	105		80-120		
Batch number: 11069B07A	Sample numbe	er(s): 622	3447-6223	451				
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	100	109	75-135	9	30

### Sample Matrix Quality Control

Unspiked (UNSPK)  $\approx$  the sample used in conjunction with the matrix spike Background (BKG)  $\approx$  the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD
Batch number: Z110692AA	Sample	number(s)	: 6223447	-62234	51 UNSP	K: 6223447			
Benzene	111	113	80-126	2	30				
Ethylbenzene	114	115	71-134	1	30				
Methyl Tertiary Butyl Ether	113	118	72-126	4	30				
Toluene	110	112	80-125	2	30				
Xylene (Total)	110	113	79-125	2	30				

#### Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: UST VOCs by 8260B - Water Batch number: Z110692AA

Batch ht	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene	
6223447	104	96	97	100	
6223448	105	93	97	101	
6223449	104	95	97	101	
6223450	104	95	98	101	
6223451	104	94	98	107	
Blank	104	93	97	100	
LCS	104	96	98	103	

#### \*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



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Page 2 of 2

### Quality Control Summary

	Name: Chevroned: 03/15/11 a			Group	Number: 1236014
MS MSD	104	97 96	Surrogate 98 97	Quality 102 102	Control
Limits:	80-116	77-113	80-113	78-113	
	Name: TPH-GRO N. mber: 11069B07A Trifluorotoluene-F	CA WALEL CO-CIZ			
6223448	86				
6223449	85				
6223450	86				
6223451	114				
Blank	85				
LCS	93				
LCSD	97				
Limits:	63-135				

\*- Outside of specification

(2) The unspiked result was more than four times the spike added.

<sup>(1)</sup> The result for one or both determinations was less than five times the LOQ.



## **Explanation of Symbols and Abbreviations**

Inorganic Qualifiers

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
С	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	ib.	pound(s)
g	gram(s)	kg	kilogram(s)
ug	microgram(s)	mg	milligram(s)
mł	milliliter(s)	ł	liter(s)
m3	cubic meter(s)	ul	microliter(s)
meq g ug ml	milliequivalents gram(s) microgram(s) milliliter(s)	F lb. kg mg l	degrees Fahrenheit pound(s) kilogram(s) milligram(s) liter(s)

- less than The number following the sign is the <u>limit of quantitation</u>, the smallest amount of analyte which can be reliably determined using this specific test.
- > greater than
- J estimated value The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).
- ppm parts per million One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.
- ppb parts per billion
- Dry weight
  basis

  Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

U.S. EPA CLP Data Qualifiers:

#### **Organic Qualifiers**

	g		morgamo adamiers
Α	TIC is a possible aldol-condensation product	В	Value is <crdl, but="" th="" ≥idl<=""></crdl,>
В	Analyte was also detected in the blank	E	Estimated due to interference
C	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	N	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	S	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
P	Concentration difference between primary and	W	Post digestion spike out of control limits
	confirmation columns >25%	*	Duplicate analysis not within control limits
U	Compound was not detected	+	Correlation coefficient for MSA < 0.995
X,Y,Z	Defined in case narrative		

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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