GETTLER-RYAN INC.

TRANSMITTAL

September 8, 2005
G-R #386833

TO: Mr. Joe Muzzio
c/o Ms. Kathryn Roscoe
SAIC
401 Alberto Way, Suite B
Los Gatos, California 95032-5404

CC: Mr. Mark Lafferty
ChevronTexaco Company
P.O. Box 6012, Room K2208
San Ramon. California 94583

FROM: Deanna L. Harding
Project Coordinator
Gettler-Ryan Inc.
6747 Sierra Court, Suite J
Dublin, California 94568

RE: Chevron Service Station
#9-0499
404 Soquel Avenue
Santa Cruz, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	September 8, 2005	Groundwater Monitoring and Sampling Report Second Semi-Annual - Event of August 4, 2005

COMMENTS:

This report is being sent for your review. Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to, ***September 26, 2005***, at which time the final report will be distributed to the following:

cc: Mr. Thomas Sayles, RWQCB-CCR, 895 Aerovista Place, Suite 101, San Luis Obispo, CA 93401

Enclosures

trans/9-0499-ML

6747 Sierra Court, Suite J • **Dublin**, CA 94568 • (925) 551-7555 • Fax (925) 551-7888
3140 Gold Camp Drive, Suite 170 • **Rancho Cordova**, CA 95670 • (916) 631-1300 • Fax (916) 631-1317
1364 N. McDowell Blvd., Suite B2 • **Petaluma**, CA 94954 • (707) 789-3255 • Fax (707) 789-3218

GETTLER-RYAN INC.

September 8, 2005
G-R Job #386833

Mr. Mark Lafferty
ChevronTexaco Company
P.O. Box 6012, Room K2208
San Ramon, CA 94583

RE: Second Semi-Annual Event of August 4, 2005
Groundwater Monitoring & Sampling Report
Chevron Service Station #9-0499
404 Soquel Avenue
Santa Cruz, California

Dear Mr. Lafferty:

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). Joint groundwater monitoring and sampling with Arco #2132, located at 411 Soquel Avenue, Santa Cruz, California, has been discontinued

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.

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

Sincerely,

Anamaria Narcas
- FOR -
Deanna L. Harding
Project Coordinator

Hagop Kevork
P.E. No. C55734

REGISTERED PROFESSIONAL ENGINEER
HAGOP KEVORK
No. C 55734
Exp. 12/31/06
CIVIL
STATE OF CALIFORNIA

Figure 1:	Potentiometric Map
Table 1:	Groundwater Monitoring Data and Analytical Results
Table 2:	Groundwater Analytical Results - Oxygenate Compounds
Table 3:	Joint Groundwater Monitoring Data and Analytical Results – Arco (*Discontinued*)
Attachments:	Standard Operating Procedure - Groundwater Sampling
	Field Data Sheets
	Chain of Custody Document and Laboratory Analytical Reports

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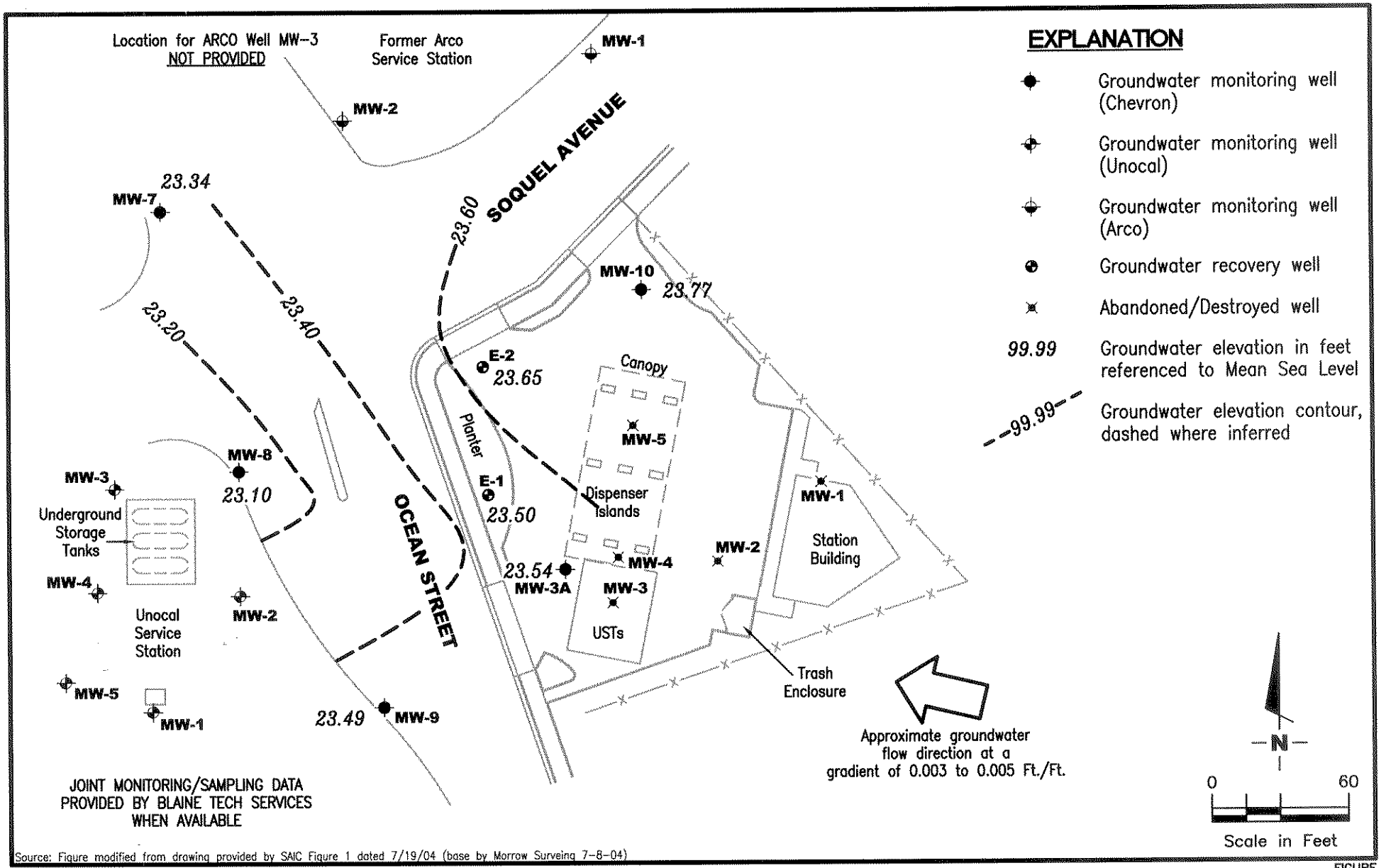

Source: Figure modified from drawing provided by SAIC Figure 1 dated 7/19/04 (base by Morrow Surveing 7-8-04)

GETTLER - RYAN INC.
6747 Sierra Court, Suite J
Dublin, CA 94568 (925) 551-7555

POTENTIOMETRIC MAP
Chevron Service Station #9-0499
404 Soquel Avenue
Santa Cruz, California

FIGURE
1

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
386833		August 4, 2005	

FILE NAME: P:\Enviro\Chevron\9-0499\Q05-9-0499.dwg | Layout Tab: Pot3

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-0499
404 Soquel Avenue
Santa Cruz, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-3A												
07/08/04[8]	32.70	23.36	9.34	0.00	--	<50	<0.5	<0.5	<0.5	<1.5	47/45[7]	--
02/04/05	32.70	25.26	7.44	0.00	--	<50	<0.5	<0.5	<0.5	<1.5	3.1/3[7]	--
08/04/05	**32.70**	**23.54**	**9.16**	**0.00**	**--**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<1.5**	**2.6/2[7]**	
MW-7												
07/24/89	26.67	19.57	7.10	--	--	<50	<0.5	<0.5	<0.5	<1.0	--	--
08/14/89	26.67	19.33	7.34	--	--	<500	<0.3	<0.3	<0.3	<0.6	--	--
10/16/89	26.67	19.14	7.53	--	--	<50	<0.3	<0.3	<0.3	<0.6	--	--
01/30/90	26.67	19.08	7.59	--	--	<50	<0.3	<0.3	<0.3	<0.6	--	--
04/24/90	26.67	19.21	7.46	--	--	<50	<0.3	<0.3	<0.3	<0.6	--	--
07/31/90	26.67	18.90	7.77	--	--	<50	<0.3	<0.3	<0.3	<0.6	--	--
10/16/90	26.67	18.69	7.98	--	--	<50	<0.3	<0.3	<0.3	<0.6	--	--
01/08/91	26.67	18.67	8.00	--	--	<50	<0.3	<0.3	<0.3	<0.6	--	--
04/22/91	26.67	19.47	7.20	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/06/91	26.67	18.79	7.88	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/04/91	26.67	18.43	8.24	--	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/07/91	26.57	18.24	8.33	--	--	--	--	--	--	--	--	--
12/30/91	26.57	17.76	8.81	--	<50	51	<0.5	<0.5	<0.5	<0.5	--	--
03/19/92	26.57	19.27	7.30	--	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/11/92	26.57	18.74	7.83	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/15/92	26.57	18.57	8.00	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/22/92	26.57	18.63	7.94	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/22/93	26.57	18.86	7.71	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/21/93	26.57	19.44	7.13	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/03/93	26.57	18.79	7.78	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/15/93	26.57	18.77	7.80	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/16/94	26.57	19.39	7.18	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/13/94	26.57	19.43	7.14	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/29/94	26.57	19.35	7.22	--	--	310	11	<1.0	1.6	1.3	--	--
12/07/94	26.57	19.39	7.18	--	--	<50	<0.5	<0.5	<0.5	0.55	--	--
03/20/95	26.57	21.03	5.54	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/19/95	26.57	19.83	6.74	--	--	<50	2.1	<0.5	<0.5	<0.5	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-0499
404 Soquel Avenue
Santa Cruz, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-7 (cont)												
09/12/95	26.57	19.37	7.20	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/13/95	26.57	19.20	7.37	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/12/96	26.57	20.24	6.33	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/19/96	26.57	20.25	6.32	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/16/97	26.57	18.87	7.70	--	--	<50	2.2	0.97	0.51	1.5	31	--
12/05/97	26.57	19.05	7.52	--	--	<50	<0.5	<0.5	<0.5	<0.5	26	--
05/28/98	26.57	20.40	6.17	--	--	120	<0.3	<0.3	<0.3	<0.6	17	--
08/11/98	26.57	18.96	7.61	--	--	<50	<0.5	<0.5	<0.5	<0.5	25	--
02/03/99	26.57	18.54	8.03	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
08/02/99	26.57	18.56	8.01	--	--	<50	<0.5	<0.5	<0.5	<0.5	29	--
02/16/00	26.57	22.06	4.51	--	--	<50	<0.5	<0.5	<0.5	<0.5	<3.19	--
08/16/00	26.57	INACCESSIBLE - DUE TO TRAFFIC CONTROL				--	--	--	--	--	--	--
02/23/01	26.57	21.46	5.11	0.00	--	<50	<0.50	<0.50	<0.50	<0.50	12	--
08/02/01	26.57	19.39	7.18	0.00	--	<50	<0.50	1.6	<0.50	0.87	17/18[7]	--
02/13/02	26.57	19.20	7.37	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	4.2/4[7]	--
08/02/02	26.57	19.81	6.76	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	6.4/7[7]	--
02/03/03	26.57	21.09	5.48	0.00	--	<50	<0.50	0.50	3.8	<1.5	<2.5/<2[7]	--
08/01/03	26.57	19.90	6.67	0.00	--	<50	<0.5	<0.5	<0.5	<1.5	2.8/2[7]	--
02/05/04	26.57	21.49	5.08	0.00	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5/2[7]	--
07/08/04	28.88	22.50	6.38	0.00	--	<50	<0.5	<0.5	<0.5	<1.5	2.6/<2[7]	--
02/04/05	28.88	24.04	4.84	0.00	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5/<2[7]	--
08/04/05	**28.88**	**22.34**	**6.54**	**0.00**	**--**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<1.5**	**<2.5/<2[7]**	**--**
MW-8												
07/24/89	29.12	21.23	7.89	--	--	860	<2.0	8.0	3.0	10	--	--
08/14/89	29.12	20.97	8.15	--	--	--	--	--	--	--	--	--
10/16/89	29.12	20.65	8.47	--	--	<500	0.4	<0.3	<0.3	1.0	--	--
01/30/90	29.12	20.64	8.48	--	--	130	1.0	<0.3	<0.3	1.0	--	--
04/24/90	29.12	20.92	8.20	--	--	<50	<0.3	<0.3	<0.3	<0.6	--	--
07/31/90	29.12	20.54	8.58	--	--	82	<0.4	<0.3	0.4	0.6	--	--
10/16/90	29.12	20.09	9.03	--	--	1,300	9.0	2.0	4.0	6.0	--	--
01/08/91	29.12	19.82	9.30	--	--	420	0.9	1.0	0.9	4.0	--	--

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Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-0499
404 Soquel Avenue
Santa Cruz, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-8 (cont)												
04/22/91	29.12	21.19	7.93	Sheen	--	--	--	--	--	--	--	--
08/06/91	29.12	20.36	8.76	--	--	280	0.9	0.9	1.0	2.1	--	--
09/04/91	29.12	19.80	9.32	--	<50	150	<0.5	0.9	<0.5	2.2	--	--
10/07/91	29.01	19.42	9.59	--	--	--	--	--	--	--	--	--
12/30/91	29.01	19.29	9.72	--	390	330	<0.5	<0.5	0.6	2.6	--	--
03/19/92	29.01	21.02	7.99	--	66	66	<0.5	<0.5	<0.5	1.2	--	--
06/11/92	29.01	20.50	8.51	--	--	69	0.8	2.0	1.0	6.9	--	--
09/15/92	29.01	20.03	8.98	--	--	<50	<0.5	<0.5	<0.5	0.8	--	--
12/22/92	29.01	19.74	9.27	--	--	89	<0.5	<0.5	<0.5	1.0	--	--
03/22/93	29.01	21.70	7.31	--	--	460	<0.5	0.9	1.0	3.0	--	--
06/21/93	29.01	20.97	8.04	--	--	410	<0.5	2.0	0.9	10	--	--
09/03/93[4]	29.01	20.34	8.67	--	--	--	--	--	--	--	--	--
09/24/93	29.01	--	--	--	--	830	<0.5	1.0	1.0	17	--	--
12/15/93	29.01	20.00	9.01	--	--	230	<0.5	0.55	<0.5	<0.5	--	--
03/16/94	29.01	20.21	8.80	--	--	74	<0.5	<0.5	<0.5	<0.5	--	--
06/13/94	29.01	20.99	8.02	--	--	82	<0.5	<0.5	<0.5	<0.5	--	--
09/29/94	29.01	20.01	9.00	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/07/94	29.01	INACCESSIBLE		--	--	--	--	--	--	--	--	--
03/20/95	29.01	INACCESSIBLE		--	--	--	--	--	--	--	--	--
06/19/95	29.01	INACCESSIBLE		--	--	--	--	--	--	--	--	--
09/12/95	29.01	INACCESSIBLE		--	--	--	--	--	--	--	--	--
12/13/95	29.01	INACCESSIBLE		--	--	--	--	--	--	--	--	--
06/12/96	29.01	21.21	7.80	--	--	67	<0.5	<0.5	<0.5	<0.5	--	--
12/19/96	29.01	21.33	7.68	--	--	1,100	<1.0	<1.0	4.8	9.9	--	--
06/16/97	29.01	20.45	8.56	--	--	250	<0.5	0.77	1.3	2.0	5.9	--
12/05/97	29.01	20.47	8.54	--	--	260	<0.5	<0.5	<0.5	<0.5	<2.5	--
05/28/98	29.01	21.90	7.11	--	--	290	<0.3	<0.3	<0.3	<0.6	<10	--
08/11/98	29.01	20.87	8.14	--	--	120	<0.5	<0.5	2.2	<0.5	5.7	--
02/03/99	29.01	19.94	9.07	--	--	69	<0.5	<0.5	<0.5	<0.5	3.4	--
08/02/99	29.01	19.82	9.19	--	--	835	<2.5	<2.5	<2.5	<2.5	<25	--
02/16/00	29.01	23.04	5.97	--	--	655	<1.0	<1.0	1.5	<1.0	8.6	--
08/16/00	29.01	21.16	7.85	0.00	--	140[6]	0.622	0.550	<0.500	<0.500	<5.00	--
02/23/01	29.01	22.16	6.85	0.00	--	110[6]	<0.50	<0.50	<0.50	<0.50	<2.5	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-0499
404 Soquel Avenue
Santa Cruz, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-8 (cont)												
08/02/01	29.01	21.02	7.99	0.00	--	660	<0.50	1.4	2.1	0.89	<2.5	--
02/13/02	29.01	22.20	6.81	0.00	--	140	<0.50	<0.50	<0.50	<1.5	2.6	--
08/02/02	29.01	21.06	7.95	0.00	--	160	<0.50	<0.50	<0.50	<1.5	<2.5	--
02/03/03	29.01	22.06	6.95	0.00	--	280	<0.50	<0.50	<0.50	<1.5	<2.5	--
08/01/03	29.01	21.13	7.88	0.00	--	160	<0.5	<0.5	<0.5	<1.5	<2.5	--
02/05/04	29.01	21.67	7.34	0.00	--	540	<0.5	<0.5	<0.5	<1.5	<2.5	--
07/08/04	31.00	23.14	7.86	0.00	--	110	<0.5	<0.5	<0.5	<1.5	<2.5	--
02/04/05	31.00	24.52	6.48	0.00	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/04/05	**31.00**	**23.10**	**7.90**	**0.00**	**--**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<1.5**	**2.6**	**--**
MW-9												
07/24/89	29.50	21.75	7.75	--	--	<50	6.9	<0.5	1.7	<1.0	--	--
08/14/89	29.50	21.16	8.34	--	--	<50	1.0	<0.3	<0.3	<0.6	--	--
10/16/89	29.50	20.80	8.70	--	--	<500	<0.3	<0.3	<0.3	<0.6	--	--
01/30/90	29.50	20.79	8.71	--	--	<50	<0.3	<0.3	<0.3	<0.6	--	--
04/24/90	29.50	21.10	8.40	--	--	<50	<0.3	<0.3	<0.3	<0.6	--	--
07/31/90	29.50	20.68	8.82	--	--	<50	<0.3	<0.3	<0.3	<0.6	--	--
10/16/90	29.50	20.22	9.28	--	--	<50	<0.3	<0.3	<0.3	<0.6	--	--
01/08/91	29.50	20.00	9.50	--	--	<50	<0.5	<0.3	<0.3	<0.6	--	--
04/22/91	29.50	21.22	8.28	--	--	<50	0.7	<0.5	<0.5	<0.5	--	--
08/06/91	29.50	20.50	9.00	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/04/91	29.50	19.79	9.71	--	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/07/91	29.38	19.33	10.05	--	--	--	--	--	--	--	--	--
12/30/91	29.38	19.30	10.08	--	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/19/92	29.38	21.29	8.09	--	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/11/92	29.38	20.54	8.84	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/15/92	29.38	19.99	9.39	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/22/92	29.38	19.75	9.63	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/22/93	29.38	22.10	7.28	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/21/93	29.38	21.19	8.19	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/03/93[4]	29.38	20.36	9.02	--	--	--	--	--	--	--	--	--
09/24/93	29.38	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-0499
404 Soquel Avenue
Santa Cruz, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-9 (cont)												
12/15/93	29.38	20.01	9.37	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/16/94	29.38	21.01	8.37	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/13/94	29.38	21.25	8.13	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/29/94	29.38	19.97	9.41	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/07/94	29.38	INACCESSIBLE		--	--	--	--	--	--	--	--	--
03/20/95	29.38	INACCESSIBLE		--	--	--	--	--	--	--	--	--
06/19/95	29.38	INACCESSIBLE		--	--	--	--	--	--	--	--	--
09/12/95	29.38	INACCESSIBLE		--	--	--	--	--	--	--	--	--
12/13/95	29.38	INACCESSIBLE		--	--	--	--	--	--	--	--	--
06/12/96	--	--	8.81	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/19/96	--	--	7.92	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/16/97	--	--	8.99	--	SAMPLED ANNUALLY		--	--	--	--	--	--
12/05/97	--	--	8.96	--	--	<50	<0.5	<0.5	<0.5	<0.5	22	--
05/28/98	--	--	7.29	--	SAMPLED ANNUALLY		--	--	--	--	--	--
08/11/98	--	--	7.95	--	--	<50	<0.5	<0.5	<0.5	<0.5	210	--
02/03/99	--	--	8.92	--	--	--	--	--	--	--	--	--
08/02/99	--	--	8.69	--	--	<50	0.593	<0.5	<0.5	<0.5	12.9	--
02/16/00	--	--	6.31	--	--	--	--	--	--	--	--	--
08/16/00	29.38	21.39	7.99	0.00	--	<50.0	<0.500	<0.500	<0.500	<0.500	65.0	--
02/23/01	29.38	22.37	7.01	0.00	--	--	--	--	--	--	--	--
08/02/01	29.38	21.26	8.12	0.00	--	<50	<0.50	0.85	<0.50	0.54	18/23[7]	--
02/13/02	29.38	22.61	6.77	0.00	SAMPLED ANNUALLY		--	--	--	--	--	--
08/02/02	29.38	21.24	8.14	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	7.5/9[7]	--
02/03/03	29.38	22.28	7.10	0.00	SAMPLED ANNUALLY		--	--	--	--	--	--
08/01/03	29.38	21.32	8.06	0.00	--	<50	<0.5	<0.5	<0.5	<1.5	15/13[7]	--
02/05/04	29.38	22.41	6.97	0.00	SAMPLED ANNUALLY		--	--	--	--	--	--
07/08/04	31.44	23.39	8.05	0.00	--	<50	<0.5	<0.5	<0.5	<1.5	6.3/4[7]	--
02/04/05	31.44	24.70	6.74	0.00	SAMPLED ANNUALLY		--	--	--	--	--	--
08/04/05	**31.44**	**23.49**	**7.95**	**0.00**	--	**<50**	**<0.5**	**<0.5**	**<0.5**	**<1.5**	**<2.5/<2[7]**	--
MW-10												
07/24/89	32.32	21.39	10.93	--	--	<50	<0.5	<0.5	<0.5	1.0	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-0499
404 Soquel Avenue
Santa Cruz, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-10 (cont)												
08/14/89	32.32	21.11	11.21	--	--	--	--	--	--	--	--	--
10/16/89	32.32	20.73	11.59	--	--	<500	21	2.0	0.5	<0.6	--	--
01/30/90	32.32	20.76	11.56	--	--	55	1.0	<0.3	<0.3	<0.6	--	--
04/24/90	32.32	21.07	11.25	--	--	<50	<0.3	<0.3	<0.3	<0.6	--	--
07/31/90	32.32	20.64	11.68	--	--	<50	<0.3	<0.3	<0.6	<0.6	--	--
10/16/90	32.32	20.14	12.18	--	--	79	0.5	<0.3	<0.3	<0.6	--	--
01/08/91	32.32	19.87	12.45	--	--	110	<0.5	<0.3	<0.5	<0.5	--	--
04/22/91	32.32	21.38	10.94	--	--	58	<0.5	<0.5	<0.5	<0.5	--	--
08/06/91	32.32	20.47	11.85	--	--	62	<0.5	<0.5	<0.5	1.2	--	--
09/04/91	32.32	21.08	11.24	--	<50	110	<0.5	<0.5	<0.5	<0.5	--	--
10/17/91	32.18	19.54	12.64	--	--	--	--	--	--	--	--	--
12/30/91	32.18	19.45	12.73	--	<50	56	0.7	<0.5	<0.5	0.6	--	--
03/19/92	32.18	21.64	10.54	--	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/11/92	32.18	20.72	11.46	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/15/92	32.18	20.04	12.14	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/22/92	32.18	19.89	12.29	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/22/93	32.18	22.66	9.52	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/21/93	32.18	21.40	10.78	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/03/93[4]	32.18	20.53	11.65	--	--	--	--	--	--	--	--	--
09/24/93	32.18	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/15/93	32.18	20.22	11.96	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/16/94	32.18	21.29	10.89	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/13/94	32.18	21.29	10.89	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/29/94	32.18	20.24	11.94	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/07/94	32.18	20.26	11.92	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/20/95	32.18	23.58	8.60	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/19/95	32.18	22.34	9.84	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/12/95	32.18	21.08	11.10	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/13/95	32.18	20.33	11.85	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/12/96	32.18	21.77	10.41	--	SAMPLED ANNUALLY		--	--	--	--	--	--
12/19/96	32.18	21.80	10.38	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/16/97	32.18	20.74	11.44	--	--	--	--	--	--	--	--	--
12/05/97	32.18	20.79	11.39	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-0499

404 Soquel Avenue

Santa Cruz, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-10 (cont)												
05/28/98	32.18	23.18	9.00	--	SAMPLED ANNUALLY		--	--	--	--	--	--
08/11/98	32.18	21.47	10.71	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
02/03/99	32.18	21.97	10.21	--	--	--	--	--	--	--	--	--
08/02/99	32.18	22.08	10.10	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
02/16/00	32.18	24.69	7.49	--	--	--	--	--	--	--	--	--
08/16/00	32.18	21.37	10.81	0.00	--	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	--
02/23/01	32.18	22.58	9.60	0.00	--	--	--	--	--	--	--	--
08/02/01	32.18	21.25	10.93	0.00	--	<50	<0.50	0.79	<0.50	<0.50	<2.5	--
02/13/02	32.18	22.69	9.49	0.00	SAMPLED ANNUALLY		--	--	--	--	--	--
08/02/02	32.18	21.19	10.99	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
02/03/03	32.18	22.34	9.84	0.00	SAMPLED ANNUALLY		--	--	--	--	--	--
08/01/03	32.18	21.34	10.84	0.00	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
02/05/04	32.18	22.55	9.63	0.00	SAMPLED ANNUALLY		--	--	--	--	--	--
07/08/04	34.29	23.51	10.78	0.00	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
02/04/05	34.29	25.44	8.85	0.00	SAMPLED ANNUALLY		--	--	--	--	--	--
08/04/05	**34.29**	**23.77**	**10.52**	**0.00**	**--**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<1.5**	**<2.5**	**--**
E-1												
09/04/91	--	--	--	--	2,000	7,800	120	23	180	280	--	--
10/07/91	30.28	19.53	10.75	--	--	--	--	--	--	--	--	--
12/30/91[2]	28.95	19.44	9.51	--	<50	3,000	42	12	88	170	--	--
03/19/92	28.95	21.45	7.50	--	<50	6,900	170	9.8	310	480	--	--
06/11/92	28.95	20.73	8.22	--	--	7,200	110	19	240	450	--	--
09/15/92	28.95	20.08	10.20	--	--	8,400	160	50	240	400	--	--
12/22/92	28.95	19.97	10.31	--	--	7,600	140	12	310	370	--	--
03/22/93	28.95	22.97	7.31	--	--	11,000	230	41	600	1,100	--	--
06/21/93[3]	30.28	21.33	8.95	--	--	2,400	65	8.0	84	97	--	--
09/03/93[2]	28.95	20.41	8.54	--	--	4,000	110	7.0	310	170	--	--
12/15/93	30.28	18.79	10.16	--	--	1,300	27	<0.5	20	17	--	--
03/16/94	30.28	21.23	9.05	--	--	1,800	67	<0.5	100	93	--	--
06/13/94	30.28	21.23	9.05	--	--	2,600	73	<5.0	83	140	--	--
09/29/94	30.28	19.30	10.98	--	--	3,700	130	<10	95	110	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-0499
404 Soquel Avenue
Santa Cruz, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
E-1 (cont)												
12/07/94	30.28	20.38	9.90	--	--	2,600	63	<5.0	120	78	--	--
03/20/95	30.28	23.32	6.96	--	--	420	8.1	1.6	17	15	--	--
06/19/95	30.28	22.24	8.04	--	--	960	3.8	<1.2	13	9.8	--	--
09/12/95	30.28	20.68	9.60	--	--	980	13	<0.5	11	18	--	--
12/13/95	30.28	20.30	9.98	--	--	<50	<0.5	<0.5	<0.5	0.51	--	--
06/12/96	30.28	21.71	8.57	--	--	2,900	27	<0.5	61	38	--	--
12/19/96	30.28	21.95	8.33	--	--	450	15	<0.5	15	5.7	--	--
06/16/97	30.28	20.76	9.52	--	--	2,400	10	<2.5	6.3	12	<12	--
12/05/97	30.28	20.78	9.50	--	--	490	8.3	8.2	34	5.4	<2.5	--
05/28/98	30.28	23.38	6.90	--	--	2,100	1.4	<0.3	<0.3	3.4	<10	--
08/11/98	30.28	21.47	8.81	--	--	2,100	<5.0	<5.0	12	9.4	<25	--
02/03/99	30.28	22.25	8.03	--	--	210	11	<0.5	<0.5	2.7	12	--
08/02/99	30.28	22.59	7.69	--	--	888	20.8	39.4	8.14	35	<10	--
02/16/00	30.28	23.97	6.31	--	--	385	38.1	1.19	15.8	11.8	2.77	--
08/16/00	30.28	21.75	8.53	0.00	--	316[5]	3.63	<0.500	0.811	<0.500	<5.00	--
02/23/01	30.28	23.28	7.00	0.00	--	150[6]	10	0.85	<0.50	3.6	4.2	--
08/02/01	30.28	21.85	8.43	0.00	--	410	1.1	1.4	0.50	0.63	8.0/8.6[7]	--
02/13/02	30.28	23.45	6.83	0.00	--	610	5.0	<0.50	14	<1.5	14/13[7]	--
08/02/02	30.28	22.00	8.28	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2[7]	--
02/03/03	30.28	23.11	7.17	0.00	--	130	0.94	<0.50	1.2	<1.5	7.2/7[7]	--
08/01/03	30.28	22.12	8.16	0.00	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5/<2[7]	--
02/05/04	30.28	23.27	7.01	0.00	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5/<2[7]	--
07/08/04	32.67	23.33	9.34	0.00	--	170	<0.5	<0.5	<0.5	<1.5	12/12[7]	--
02/04/05	32.67	25.24	7.43	0.00	--	<50	<0.5	<0.5	<0.5	<1.5	36/30[7]	--
08/04/05	**32.67**	**23.50**	**9.17**	**0.00**	**--**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<1.5**	**6.0/5[7]**	--
E-2												
09/04/91	--	--	--	--	<50	130	<0.5	<0.5	<0.5	0.7	--	--
10/07/91	30.50	19.59	10.91	--	--	--	--	--	--	--	--	--
12/30/91[2]	29.40	19.52	9.88	--	<50	330	<0.5	0.5	0.9	1.4	--	--
03/19/92	29.40	21.70	7.70	--	<50	340	<0.5	<0.5	1.4	1.5	--	--
06/11/92	29.40	20.82	8.58	--	--	200	<0.5	0.9	0.6	2.8	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

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404 Soquel Avenue
Santa Cruz, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
E-2 (cont)												
09/15/92	29.40	20.15	10.35	--	--	160	<0.5	<0.5	0.6	1.6	--	--
12/22/92	29.40	20.05	10.45	--	--	200	2.0	1.7	2.2	5.4	--	--
03/22/93	29.40	22.59	7.91	--	--	480	0.5	<0.5	3.0	2.0	--	--
06/21/93[3]	30.50	24.40	6.10	--	--	180	0.6	0.6	1.0	1.0	--	--
09/03/93[2]	32.18	20.53	11.65	--	--	--	--	--	--	--	--	--
09/24/93[4]	32.18	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/15/93	30.50	21.90	10.28	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/16/94	30.50	21.29	9.21	--	--	95	<0.5	<0.5	<0.5	<0.5	--	--
06/13/94	30.50	21.28	9.22	--	--	89	<0.5	<0.5	<0.5	0.63	--	--
09/29/94	30.50	20.18	10.32	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/07/94	30.50	21.18	9.32	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/20/95	30.50	23.34	7.16	--	--	120	2.7	<0.5	<0.5	<0.5	--	--
06/19/95	30.50	22.28	8.22	--	--	150	6.7	<0.5	<0.5	<0.5	--	--
09/12/95	30.50	20.80	9.70	--	--	57	<0.5	<0.5	<0.5	<0.5	--	--
12/13/95	30.50	20.48	10.02	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/12/96	30.50	21.69	8.81	--	--	58	<0.5	<0.5	<0.5	<0.5	--	--
12/19/96	30.50	21.84	8.66	--	--	75	<0.5	<0.5	<0.5	<0.5	--	--
06/16/97	30.50	20.83	9.67	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
12/05/97	30.50	21.09	9.41	--	--	66	<0.5	<0.5	<0.5	<0.5	<2.5	--
05/28/98	30.50	23.35	7.15	--	--	170	0.58	0.9	0.54	<0.6	<10	--
08/11/98	30.50	21.52	8.98	--	--	61	<0.5	<0.5	<0.5	<0.5	2.9	--
02/03/99	30.50	22.29	8.21	--	--	<50	<0.5	<0.5	<0.5	<0.5	3.4	--
08/02/99	30.50	22.31	8.19	--	--	330	18.6	41.5	7.17	35.6	30.9	--
02/16/00	30.50	24.47	6.03	--	--	73.4	<0.5	<0.5	<0.5	<0.5	<2.5	--
08/16/00	30.50	22.38	8.12	0.00	--	64.3[6]	<0.500	<0.500	<0.500	<0.500	43.5	--
02/23/01	30.50	23.19	7.31	0.00	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
08/02/01	30.50	20.86	9.64	0.00	--	55	<0.50	0.63	<0.50	0.52	15/17[7]	--
02/13/02	30.50	23.24	7.26	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5/2[7]	--
08/02/02	30.50	21.80	8.70	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	7.7/8[7]	--
02/03/03	30.50	22.92	7.58	0.00	--	<50	<0.50	0.51	<0.50	<1.5	<2.5/2[7]	--
08/01/03	30.50	21.97	8.53	0.00	--	<50	<0.5	<0.5	<0.5	<1.5	2.6/3[7]	--
02/05/04	30.50	23.06	7.44	0.00	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5/<2[7]	--
07/08/04	32.60	23.45	9.15	0.00	--	<50	<0.5	<0.5	<0.5	<1.5	11/9[7]	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-0499
404 Soquel Avenue
Santa Cruz, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
E-2 (cont)												
02/04/05	32.60	25.31	7.29	0.00	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5/<2[7]	--
08/04/05	**32.60**	**23.65**	**8.95**	**0.00**	--	**<50**	**<0.5**	**<0.5**	**<0.5**	**<1.5**	**3.9/3[7]**	--
MW-1												
09/28/88	33.14	21.07	12.07	--	<50	--	<5.0	<5.0	<5.0	<5.0	--	<10
10/20/88	33.14	20.68	12.46	--	--	--	--	--	--	--	--	--
01/03/89	33.14	21.72	11.42	--	<50	--	<0.5	<0.5	<0.5	<1.0	--	<5.0
04/07/89	33.14	23.05	10.09	--	<50	<50	<0.5	<0.5	<0.5	<2.0	--	<5.0
04/19/89	33.14	22.60	10.54	--	--	--	--	--	--	--	--	--
07/24/89	33.14	21.15	11.99	--	<50	<50	<0.5	<0.5	<0.5	<1.0	--	<5.0
08/14/89	33.14	20.86	12.28	--	--	--	--	--	--	--	--	--
10/16/89	33.14	20.47	12.67	--	<500	<500	<0.3	<0.3	<0.3	<0.6	--	<1.0
01/30/90	33.14	20.50	12.64	--	<100	<50	<0.3	<0.3	<0.3	<0.6	--	<1.0
04/24/90	33.14	19.82	13.32	--	<100	<50	<0.3	<0.3	<0.3	<0.6	--	<1.0
07/31/90	33.14	20.37	12.77	--	--	<50	<0.3	<0.3	<0.3	<0.6	--	--
10/16/90	33.14	19.88	13.26	--	--	<50	<0.3	<0.3	<0.3	<0.6	--	--
01/08/91	33.14	19.64	13.50	--	--	<50	<0.5	2.0	<0.5	0.9	--	--
04/22/91	33.14	21.14	12.00	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
ABANDONED												
MW-2												
09/28/88	32.09	21.71	10.38	--	--	650	130	41	3.0	14	--	--
10/20/88	32.09	21.33	10.76	--	--	--	--	--	--	--	--	--
01/03/89	32.09	22.34	9.75	--	--	1,500	620	10	<0.5	30	--	--
04/07/89	32.09	23.70	8.39	--	--	1,100	440	3.0	6.0	35	--	--
04/19/89	32.09	23.23	8.86	--	--	--	--	--	--	--	--	--
07/24/89	32.09	21.79	10.30	--	--	320	56	<0.5	<0.5	<1.0	--	--
08/14/89	32.09	21.53	10.56	--	--	--	--	--	--	--	--	--
10/16/89	32.09	21.12	10.97	--	--	520	120	2.0	7.0	5.0	--	--
01/30/90	32.09	21.14	10.95	--	--	<50	11	<0.3	<0.3	<0.6	--	--
04/24/90	32.09	21.47	10.62	--	--	<50	<0.3	<0.3	<0.3	<0.6	--	--
07/31/90	32.09	21.03	11.06	--	--	99	8	<0.3	2.0	1.0	--	--
10/17/90	32.09	20.53	11.56	--	--	110	15	<0.3	1.0	1.0	--	--

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Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-0499
404 Soquel Avenue
Santa Cruz, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-2 (cont)												
01/08/91	32.09	20.26	11.83	--	--	82	24	2.0	0.6	2.0	--	--
04/23/91	32.09	21.79	10.30	--	--	190	21	<0.5	<0.5	<0.5	--	--
ABANDONED												
MW-3												
09/28/88	30.89	21.31	9.58	--	--	1,500	360	1.0	<0.5	7.0	--	--
10/20/88	30.89	20.95	9.94	--	--	--	--	--	--	--	--	--
01/03/89	30.89	21.88	9.01	--	--	470	66	4.2	1.0	7.0	--	--
04/07/89	30.89	22.37	8.52	--	--	8,000	4,400	190	87	460	--	--
04/19/89	30.89	23.05	7.84	--	--	--	--	--	--	--	--	--
07/24/89	30.89	21.40	9.49	--	--	1,300	230	66	4.0	110	--	--
08/14/89	30.89	21.14	9.75	--	--	--	--	--	--	--	--	--
10/16/89	30.89	20.74	10.15	--	--	<500	58	1.0	8.0	1.0	--	--
01/30/90	30.89	20.76	10.13	--	--	270	35	<0.3	1.0	<0.6	--	--
04/25/90	30.89	21.07	9.82	--	--	<50	5.0	<0.3	<0.3	<0.6	--	--
07/31/90	30.89	20.64	10.25	--	--	68	9.0	<0.3	<0.3	<0.6	--	--
10/17/90	30.89	20.16	10.73	--	--	73	12	<0.3	<0.3	<0.6	--	--
01/08/91	30.89	19.89	11.00	--	--	110	18	<0.5	<0.5	<0.5	--	--
04/23/91	30.89	23.38	7.51	--	--	93	13	<0.5	<0.5	<0.5	--	--
08/06/91	30.89	20.49	10.40	--	--	89	2.7	<0.5	1.3	20	--	--
09/04/91	30.89	19.65	11.24	--	<50	110	<0.5	<0.5	1.1	11	--	--
10/07/91	30.97	19.46	11.51	--	--	--	--	--	--	--	--	--
12/30/91	30.97	19.43	11.54	--	<50	51	<0.5	<0.5	<0.5	<0.5	--	--
03/19/92	30.97	21.60	9.37	--	<50	69	20.0	<0.5	3.0	1.9	--	--
06/11/92	30.97	20.67	10.30	--	--	<50	0.6	<0.5	<0.5	<0.5	--	--
09/15/92	30.97	20.05	10.92	--	--	67	<0.5	<0.5	<0.5	<0.5	--	--
12/22/92	30.97	19.85	11.12	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/22/93	30.97	22.58	8.39	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/21/93	30.97	21.36	9.61	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/03/93[4]	30.97	20.52	10.45	--	--	--	--	--	--	--	--	--
09/24/93	30.97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/15/93	30.97	20.16	10.81	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/16/94	30.97	21.23	9.74	--	--	<50	<0.5	5.5	<0.5	4.3	--	--
06/13/94	30.97	21.27	9.70	--	--	<200	<2.0	<2.0	<2.0	<2.0	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-0499

404 Soquel Avenue

Santa Cruz, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-3 (cont)												
09/29/94	30.97	20.21	10.76	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/07/94	30.97	20.27	10.70	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/20/95	30.97	22.37	8.60	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/19/95	30.97	21.01	9.96	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/12/95	30.97	20.77	10.20	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/13/95	30.97	20.37	10.60	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/12/96	30.97	21.74	9.23	--	SAMPLED ANNUALLY		--	--	--	--	--	--
12/19/96	30.97	21.77	9.20	--	--	<500	<5.0	<5.0	<5.0	<5.0	--	--
06/16/97	30.97	20.72	10.25	--	--	--	--	--	--	--	--	--
12/05/97	30.97	20.69	10.28	--	--	<50	<0.5	<0.5	<0.5	<0.5	140	--
05/28/98	30.97	23.72	7.25	--	SAMPLED ANNUALLY		--	--	--	--	--	--
08/11/98	30.97	21.48	9.49	--	--	<50	<0.5	<0.5	<0.5	<0.5	140	--
02/03/99	30.97	22.46	8.51	--	--	--	--	--	--	--	--	--
08/02/99	30.97	22.72	8.25	--	--	<50	<0.5	<0.5	<0.5	<0.5	27.7	--
02/16/00	30.97	24.14	6.83	--	--	--	--	--	--	--	--	--
08/16/00	30.97	21.62	9.35	0.00	--	<50.0	<0.500	<0.500	<0.500	<0.500	35.2	--
02/23/01	30.97	22.77	8.20	0.00	--	--	--	--	--	--	--	--
08/02/01	30.97	21.48	9.49	0.00	--	<50	<0.50	0.69	<0.50	<0.50	11/15[7]	--
02/13/02	30.97	22.94	8.03	0.00	SAMPLED ANNUALLY		--	--	--	--	--	--
08/02/02	30.97	21.43	9.54	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	760/750[7]	--
02/03/03	30.97	22.57	8.40	0.00	SAMPLED ANNUALLY		--	--	--	--	--	--
08/01/03	30.97	21.57	9.40	0.00	--	<50	<0.5	<0.5	<0.5	<1.5	93/81[7]	--
DESTROYED - DECEMBER 2003												
MW-4												
09/28/88	31.74	21.22	10.52	0.40	--	260,000	16,000	15,000	8,000	22,000	--	--
10/20/88	31.74	20.52	11.22	--	--	--	--	--	--	--	--	--
01/03/89	31.74	22.01	9.73	0.80	--	--	--	--	--	--	--	--
04/07/89	31.74	23.15	8.59	0.06	--	1,400,000	18,000	47,000	68,000	56,000	--	--
04/19/89	31.74	22.71	9.03	--	--	--	--	--	--	--	--	--
07/24/89	31.74	21.12	10.62	0.15	--	280,000	15,000	19,000	3,800	26,000	--	--
08/14/89	31.74	20.92	10.82	--	--	--	--	--	--	--	--	--
10/16/89	31.74	20.47	11.27	0.17	--	450,000	10,000	30,000	11,000	69,000	--	--
01/30/90	31.74	20.59	11.15	0.01	--	84,000	7,400	18,000	3,000	18,000	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-0499
404 Soquel Avenue
Santa Cruz, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-4 (cont)												
04/25/90	31.74	21.98	9.76	0.01	--	78,000	5,700	8,200	2,300	14,000	--	--
07/31/90	31.74	20.51	11.23	0.05	--	--	--	--	--	--	--	--
10/16/93	31.74	20.02	11.72	0.03	--	--	--	--	--	--	--	--
01/08/91	31.74	19.81	11.93	0.02	--	--	--	--	--	--	--	--
04/23/91	31.74	20.97	10.77	Sheen	--	--	--	--	--	--	--	--
ABANDONED												
MW-5												
09/28/88	31.91	21.01	9.90	--	--	610	69	12	4.0	14	--	--
10/20/88	31.91	21.68	10.23	--	--	--	--	--	--	--	--	--
01/03/89	31.91	22.85	9.06	--	--	2,000	490	40	80	20	--	--
04/07/89	31.91	23.96	7.95	--	--	1,900	470	18	35	23	--	--
04/19/89	31.91	23.59	8.32	--	--	--	--	--	--	--	--	--
07/24/89	31.91	22.16	9.75	--	--	580	73	<0.5	<0.5	<1.0	--	--
08/14/89	31.91	21.85	10.06	--	--	--	--	--	--	--	--	--
10/16/89	31.91	21.44	10.44	--	--	<500	1.0	<0.3	<0.3	<0.6	--	--
01/30/90	31.91	21.52	10.39	--	--	80	3.0	<0.3	<0.3	<0.6	--	--
04/24/90	31.91	21.83	10.08	--	--	130	0.4	<0.3	<0.3	<0.6	--	--
07/31/90	31.91	21.37	10.54	--	--	210	2.0	<0.3	<0.3	<0.6	--	--
10/17/90	31.91	20.85	11.06	--	--	150	0.8	<0.3	<0.3	<0.6	--	--
01/09/91	31.91	20.61	11.30	--	--	<50	<0.5	<0.3	<0.3	<0.6	--	--
04/23/91	31.91	22.11	9.80	--	--	99	<0.5	<0.5	<0.5	<0.5	--	--
07/01/91[1]	31.93	--	--	--	--	--	--	--	--	--	--	--
08/06/91	31.91	21.19	10.72	--	--	59	0.5	<0.5	<0.5	<0.5	--	--
09/04/91	31.91	19.89	12.02	--	<50	120	<0.5	<0.5	<0.5	<0.5	--	--
10/07/91	31.95	19.64	12.31	--	--	--	--	--	--	--	--	--
12/30/91	31.95	19.74	12.21	--	<50	160	<0.5	<0.5	<0.5	<0.5	--	--
03/19/92	31.95	21.86	10.09	--	<50	97	<0.5	<0.5	<0.5	<0.5	--	--
06/11/92	31.95	20.91	11.04	--	--	71	1.6	<0.5	0.7	1.6	--	--
09/15/92	31.95	20.18	11.77	--	--	110	<0.5	<0.5	<0.5	<0.5	--	--
12/22/92	31.95	20.78	11.17	--	--	97	<0.5	<0.5	<0.5	<0.5	--	--
03/22/93	31.95	22.69	9.26	--	--	90	<0.5	<0.5	<0.5	<0.5	--	--
06/21/93	31.95	21.41	10.54	--	--	<50	<0.5	<0.5	0.7	3.0	--	--
09/03/93[4]	31.95	20.54	11.41	--	--	--	--	--	--	--	--	--

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WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-5 (cont)												
09/24/93	31.95	--	--	--	--	120	2.0	3.0	0.7	4.0	--	--
12/15/93	31.95	20.23	11.72	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/16/94	31.95	21.45	10.50	--	--	<50	<0.5	8.7	<0.5	<0.5	--	--
06/13/94	31.95	21.76	10.19	--	--	<50	<0.5	2.2	<0.5	<0.5	--	--
09/29/94	31.95	20.01	11.94	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/07/94	31.95	20.53	11.42	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/20/95	31.95	23.15	8.80	--	--	<50	0.90	1.5	<0.5	0.71	--	--
06/19/95	31.95	22.35	9.60	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/12/95	31.95	21.20	10.75	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/13/95	31.95	20.37	11.58	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/12/96	31.95	21.94	10.01	--	SAMPLED ANNUALLY		--	--	--	--	--	--
12/19/96	31.95	21.96	9.99	--	--	<50	<0.5	1.6	<0.5	<0.5	--	--
06/16/97	31.95	20.79	11.16	--	--	--	--	--	--	--	--	--
12/05/97	31.95	21.07	10.88	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
05/28/98	31.95	23.10	8.85	--	SAMPLED ANNUALLY		--	--	--	--	--	--
08/11/98	31.95	21.49	10.46	--	--	120	<1.0	13	<1.0	<1.0	5.3	--
02/03/99	31.95	22.37	9.58	--	--	--	--	--	--	--	--	--
08/02/99	31.95	22.24	9.71	--	--	615	<0.5	3.68	<0.5	<0.5	<5.0	--
02/16/00	31.95	24.82	7.13	--	--	--	--	--	--	--	--	--
08/16/00	31.95	22.29	9.66	0.00	--	58.3[6]	<0.500	13.7	<0.500	<0.500	<5.00	--
02/23/01	31.95	23.97	7.98	0.00	--	--	--	--	--	--	--	--
08/02/01	31.95	22.15	9.80	0.00	--	99	<0.50	49	<0.50	0.83	<2.5	--
02/13/02	31.95	23.66	8.29	0.00	SAMPLED ANNUALLY		--	--	--	--	--	--
08/02/02	31.95	22.11	9.84	0.00	--	<250	<1.0	15	<1.0	<3.0	<2.5	--
02/03/03	31.95	23.38	8.57	0.00	SAMPLED ANNUALLY		--	--	--	--	--	--
08/01/03	31.95	22.40	9.55	0.00	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
DESTROYED - DECEMBER 2003												
MW-6												
09/28/88	30.72	21.32	9.40	--	--	<50	4.0	<0.5	<0.5	<1.0	--	--
10/20/88	30.72	20.94	9.78	--	--	--	--	--	--	--	--	--
01/03/89	30.72	22.12	8.60	--	--	440	8.7	1.2	0.6	<1.0	--	--
04/07/89	30.72	21.40	9.32	--	--	660	41	2.8	1.9	5.0	--	--
07/24/89	30.72	23.20	7.51	--	--	80	3.6	<0.5	<0.5	1.0	--	--

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404 Soquel Avenue
Santa Cruz, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-6 (cont)												
08/14/89	30.72	21.11	9.61	--	--	--	--	--	--	--	--	--
10/16/89	30.72	20.74	9.98	--	--	750	18	<0.3	1.0	1.0	--	--
01/30/90	30.72	20.77	9.95	--	--	1,200	66	5.0	2.0	7.0	--	--
04/25/90	30.72	21.10	9.62	--	--	1,400	480	6.0	<0.3	31.0	--	--
07/31/90	30.72	20.65	10.07	--	--	1,500	51	<0.3	1.0	2.0	--	--
10/17/90	30.72	20.14	10.58	--	--	1,400	31	2.0	2.0	4.0	--	--
01/09/91	30.72	19.87	10.85	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/23/91	30.72	21.39	9.33	--	--	630	10	4.0	2.0	6.0	--	--
ABANDONED - REPLACED BY WELL E-2												
TRIP BLANK												
06/21/93	--	--	--	--	--	<50	0.5	0.5	0.5	0.5	--	--
09/03/93	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/24/93	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/15/93	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/16/94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/13/94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/29/94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/07/94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/20/95	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/19/95	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/12/95	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/13/95	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/12/96	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/19/96	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/16/97	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
12/05/97	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
05/28/98	--	--	--	--	--	<50	<0.3	<0.3	<0.3	<0.6	<10	--
08/11/98	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
02/03/99	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
02/16/00	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
08/16/00	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	--
02/23/01	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-0499

404 Soquel Avenue

Santa Cruz, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
TRIP BLANK (cont)												
08/02/01	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
QA												
02/13/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
08/02/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
02/03/03	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
08/01/03	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
02/05/04	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
07/08/04	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
02/04/05	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/04/05	--	--	--	--	--	**<50**	**<0.5**	**<0.5**	**<0.5**	**<1.5**	**<2.5**	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-0499
404 Soquel Avenue
Santa Cruz, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to August 16, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

TOC = Top of Casing
(ft.) = Feet
GWE = Groundwater Elevation
(msl) = Mean sea level
DTW = Depth to Water
SPHT = Separate Phase Hydrocarbon Thickness
TPH-D = Total Petroleum Hydrocarbons as Diesel

TPH-G = Total Petroleum Hydrocarbons as Gasoline
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
MTBE = Methyl tertiary butyl ether
TOG = Total Oil and Grease

(ppb) = Parts per billion
-- = Not Measured/Not Analyzed
QA = Quality Assurance/Trip Blank

* TOC elevations for the following wells (MW-3A, MW-7, MW-8, MW-9, MW-10, E-1, & E-2) were surveyed on July 8, 2004, by Morrow Surveying. The benchmark for the survey was referenced to GEOID NGS99, coordinate datum is NAD 83(1986).

1 Casing bent on well.
2 Well Elevations and DTW measured from top of casing.
3 Well Elevations and DTW measured from top of box.
4 Laboratory missed hold times, resampled 09/24/93.
5 Laboratory report indicates weathered gasoline C6-C12.
6 Laboratory report indicates unidentified hydrocarbons C6-C12.
7 MTBE by EPA Method 8260.
8 Well development performed.

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Chevron Service Station #9-0499

404 Soquel Avenue

Santa Cruz, California

WELL ID	DATE	METHANOL (ppb)	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
MW-3A	07/08/04	<1,000	<500	<100	45	<2	<2	9	<2	--
	02/04/05	<1,000	<500	<100	3	<2	<2	<2	<2	--
	08/04/05	**<1,000**	**<500**	**<100**	**2**	**<2**	**<2**	**<2**	**<2**	--
MW-7	08/02/01	--	<1,000	<100	18	<2.0	<2.0	<2.0	--	--
	02/13/02	--	--	<100	4	<2	<2	<2	--	--
	08/02/02	--	--	<100	7	<2	<2	<2	--	--
	02/03/03	--	--	<100	<2	<2	<2	<2	--	--
	08/01/03	--	--	<100	2	<2	<2	<2	--	--
	02/05/04	--	--	<100	<2	<2	<2	<2	--	--
	07/08/04	<1,000	<500	<100	<2	<2	<2	<2	--	--
	02/04/05	<1,000	<500	<100	<2	<2	<2	<2	--	--
	08/04/05	**<1,000**	**<500**	**<100**	**<2**	**<2**	**<2**	**<2**	--	--
MW-8	07/08/04	<1,000	<500	--	--	--	--	--	--	--
	02/04/05	<1,000	<500	--	--	--	--	--	--	--
	08/04/05	**<1,000**	**<500**	--	--	--	--	--	--	--
MW-9	08/02/01	--	<1,000	<100	23	<2.0	<2.0	10	--	--
	08/02/02	--	--	<100	9	<2	<2	2	--	--
	02/03/03	--	SAMPLED ANNUALLY		--	--	--	--	--	--
	08/01/03	--	--	<100	13	<2	<2	3	--	--
	07/08/04	<1,000	<500	<100	4	<2	<2	<2	--	--
	08/04/05	**<1,000**	**<500**	**<100**	**<2**	**<2**	**<2**	**<2**	--	--
MW-10	07/08/04	<1,000	<500	--	--	--	--	--	--	--
	08/04/05	**<1,000**	**<500**	--	--	--	--	--	--	--
E-1	08/02/01	--	<1,000	<100	8.6	<2.0	<2.0	2.2	<2.0	<2.0

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Chevron Service Station #9-0499
404 Soquel Avenue
Santa Cruz, California

WELL ID	DATE	METHANOL (ppb)	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
E-1 (cont)	02/13/02	--	--	<100	13	<2	<2	4	<2	--
	08/02/02	--	--	<100	<2	<2	<2	<2	<2	--
	02/03/03	--	--	<100	7	<2	<2	<2	<2	--
	08/01/03	--	--	<100	<2	<2	<2	<2	<2	--
	02/05/04	--	--	<100	<2	<2	<2	<2	<2	--
	07/08/04	<1,000	<500	<100	12	<2	<2	<2	<2	--
	02/04/05	<1,000	<500	<100	30	<2	<2	2	<2	--
	08/04/05	**<1,000**	**<500**	**<100**	**5**	**<2**	**<2**	**<2**	--	--
E-2	08/02/01	--	<1,000	<100	17	<2.0	<2.0	7.5	--	--
	02/13/02	--	--	<100	2	<2	<2	<2	--	--
	08/02/02	--	--	<100	8	<2	<2	<2	--	--
	02/03/03	--	--	<100	2	<2	<2	<2	--	--
	08/01/03	--	--	<100	3	<2	<2	<2	--	--
	02/05/04	--	--	<100	<2	<2	<2	<2	--	--
	07/08/04	<1,000	<500	<100	9	<2	<2	2	--	--
	02/04/05	<1,000	<500	<100	<2	<2	<2	<2	--	--
	08/04/05	**<1,000**	**<500**	**<100**	**3**	**<2**	**<2**	**<2**	--	--
MW-3	08/02/01	--	<1,000	<100	15	<2.0	<2.0	<2.0	<2.0	<2.0
	08/02/02	--	--	<100	750	<2	<2	4	<2	--
	02/03/03	--	SAMPLED ANNUALLY		--	--	--	--	--	--
	08/01/03	--	--	<100	81	<2	<2	<2	<2	--
	DESTROYED - DECEMBER 2003									

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Chevron Service Station #9-0499
404 Soquel Avenue
Santa Cruz, California

EXPLANATIONS:

TBA = Tertiary butyl alcohol
MTBE = Methyl tertiary butyl ether
DIPE = Di-isopropyl ether
ETBE = Ethyl tertiary butyl ether
TAME = Tertiary amyl methyl ether
1,2-DCA = 1,2-Dichloroethane
EDB = 1,2-Dibromoethane
(ppb) = Parts per billion
-- = Not Analyzed

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds

Table 3

Joint Groundwater Monitoring Data and Analytical Results

Former Arco Station #2132
411 Soquel Avenue
Santa Cruz, California

WELL ID/ TOC(ft.)	DATE	DTW (ft.)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-1	02/13/02	10.98	--[1]	<50	<0.50	2.2	0.71	3.7	--/<1.0[2]
	01/14/03[4,5]	11.03	--[1]	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/05/04[7]	--	--	--	--	--	--	--	--
	SITE CLOSED								
MW-2	02/13/02	5.79	--[1]	2,400[3]	14	5.3	33	23	--/<1.0[2]
	01/14/03[4,5]	6.46	--[1]	1,600[6]	<0.50	0.53	4.2	9.9	<0.50
	02/05/04[7]	--	--	--	--	--	--	--	--
	SITE CLOSED								
MW-3	02/13/02	5.98	--[1]	<50	<0.50	<0.50	<0.50	<0.50	--/<1.0[2]
	01/14/03[4,5]	5.10	--[1]	<50	<0.50	<0.50	<0.50	<0.50	1.8
	02/05/04[7]	--	--	--	--	--	--	--	--
	SITE CLOSED								

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results were provided by Secor International, Inc., during the first quarter only.

TOC = Top of Casing
(ft.) = Feet
DTW = Depth to Water
GWE = Groundwater Elevation
(msl) = Mean sea level

TPH-G = Total Petroleum Hydrocarbons as Gasoline
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes

MTBE = Methyl tertiary butyl ether
(ppb) = Parts per billion
-- = Not Measured/Not Analyzed

[1] TOC not available
[2] MTBE by EPA Method 8260.
[3] Laboratory report indicates weathered gasoline C6-C12.
[4] TPH-G, BTEX and MTBE by EPA Method 8260
[5] Joint Monitoring was conducted on a different date then Chevron Service Station #9-0499
[6] Laboratory report indicates the concentration indicated for this analyte is an estimated value above the calibration range of the instrument.
[7] Joint Monitoring was not performed; site on hold.

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

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

Prior to sampling, the presence or absence of free-phase hydrocarbons is determined using 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, suction, Grundfos), or disposable bailers. Temperature, pH and electrical conductivity are measured a minimum of three times during the purging. Purging continues until these parameters stabilize.

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

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

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

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0499 Job Number: 386833
Site Address: 404 Soquel Avenue Event Date: 8-4-05 (inclusive)
City: Santa Cruz, CA Sampler: Joe

Well ID MW-3A Date Monitored: 8-4-05 Well Condition: O.K
Well Diameter 4 in.
Total Depth 20.02 ft.
Depth to Water 9.16 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

10.86 xVF 0.66 = 7.17 x3 case volume= Estimated Purge Volume: 22 gal.

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump
Suction Pump ✓
Grundfos
Other:

Sampling Equipment:
Disposable Bailer ✓
Pressure Bailer
Discrete Bailer
Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: 0 ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 0935 Weather Conditions: Foggy
Sample Time/Date: 1002 18-4-05 Water Color: Clear Odor: none
Purging Flow Rate: 2 gpm. Sediment Description:
Did well de-water? If yes, Time: Volume: gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
0946	7	6.86	1497	66.5		
0950	15	6.81	1512	66.9		
0953	22	6.84	1517	67.0		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3A	6 x voa vial	YES	HCL	LANCASTER	~~METHANOL/TPH-G(8015)/BTEX+MTBE (8021)/ETHANOL(8260)~~
					METHANOL/TPH-G(8015)/BTEX+MTBE (8021)/ 6 OXYS+ETHANOL(8260)

COMMENTS:

Add/Replaced Lock: Add/Replaced Plug: Size:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0499 Job Number: 386833
Site Address: 404 Soquel Avenue Event Date: 8-4-05 (inclusive)
City: Santa Cruz, CA Sampler: Jox

Well ID MW-7 Date Monitored: 8-4-05 Well Condition: O.K.
Well Diameter 4 in.
Total Depth 12.31 ft.
Depth to Water 6.54 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

5.77 xVF 0.66 = 3.81 x3 case volume= Estimated Purge Volume: 12 gal.

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump
Suction Pump ✓
Grundfos
Other:

Sampling Equipment:
Disposable Bailer ✓
Pressure Bailer
Discrete Bailer
Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: 0 ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 0745 Weather Conditions: Clear Foggy
Sample Time/Date: 0810 8-4-05 Water Color: Clear Odor: none
Purging Flow Rate: 1 gpm. Sediment Description:
Did well de-water? If yes, Time: Volume: gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
0754	4	7.16	1541	67.0		
0757	8	7.18	1547	67.2		
0800	12	7.22	1548	66.9		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-7	6 x voa vial	YES	HCL	LANCASTER	METHANOL/TPH-G(8015)/BTEX+MTBE (8021)/ETHANOL(8260)
					METHANOL/TPH-G(8015)/BTEX+MTBE (8021)/ 5 OXYS+ETHANOL(8260)

COMMENTS:

Add/Replaced Lock: Add/Replaced Plug: Size:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0499 Job Number: 386833
Site Address: 404 Soquel Avenue Event Date: 8-4-05 (inclusive)
City: Santa Cruz, CA Sampler: Joe

Well ID MW- 8 Date Monitored: 8-4-05 Well Condition: O.K.
Well Diameter 4 in.
Total Depth 13.40 ft.
Depth to Water 7.90 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

5.50 xVF 0.66 = 3.63 x3 case volume= Estimated Purge Volume: 11 gal.

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump
Suction Pump ✓
Grundfos
Other:

Sampling Equipment:
Disposable Bailer ✓
Pressure Bailer
Discrete Bailer
Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: 0 ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 0854 Weather Conditions: Foggy
Sample Time/Date: 0920 18-4-05 Water Color: Clear Odor: none
Purging Flow Rate: 1 gpm. Sediment Description:
Did well de-water? If yes, Time: Volume: gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
0904	4	7.48	1056	67.0		
0907	7	7.52	1055	67.4		
0910	11	7.41	1061	67.9		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- 8	6 x voa vial	YES	HCL	LANCASTER	METHANOL/TPH-G(8015)/BTEX+MTBE (8021)/ETHANOL(8260)
					METHANOL/TPH-G(8015)/BTEX+MTBE (8021)/ OXYS+ETHANOL(8260)

COMMENTS:

Add/Replaced Lock: Add/Replaced Plug: Size:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0499 Job Number: 386833
Site Address: 404 Soquel Avenue Event Date: 8-4-05 (inclusive)
City: Santa Cruz, CA Sampler: Joe

Well ID: MW-9 Date Monitored: 8-4-05 Well Condition: O.K.
Well Diameter: 4 in.
Total Depth: 12.92 ft.
Depth to Water: 7.95 ft.
4.97 xVF 0.66 = 3.28 x3 case volume= Estimated Purge Volume: 10 gal.

Volume Factor (VF)				
	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump
Suction Pump ✓
Grundfos
Other:

Sampling Equipment:
Disposable Bailer ✓
Pressure Bailer
Discrete Bailer
Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: 0 ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 0822 Weather Conditions: Foggy
Sample Time/Date: 0845 8-4-05 Water Color: clear Odor: none
Purging Flow Rate: 1 gpm. Sediment Description:
Did well de-water? If yes, Time: Volume: gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
0830	3.5	7.40	1604	69.0		
0833	7	7.33	1606	68.6		
0836	10	7.35	1592	68.5		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-9	6 x voa vial	YES	HCL	LANCASTER	~~METHANOL/TPH-G(8015)/BTEX+MTBE (8021)/ETHANOL(8260)~~
					METHANOL/TPH-G(8015)/BTEX+MTBE (8021)/5 OXYS+ETHANOL(8260)

COMMENTS:

Add/Replaced Lock: Add/Replaced Plug: Size:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0499 Job Number: 386833
Site Address: 404 Soquel Avenue Event Date: 8-4-05 (inclusive)
City: Santa Cruz, CA Sampler: Joe

Well ID MW-10 Date Monitored: 8-4-05 Well Condition: O.K.
Well Diameter 4 in.
Total Depth 19.41 ft.
Depth to Water 10.52 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

8.62 xVF 0.66 = 5.69 x3 case volume= Estimated Purge Volume: 17 gal.

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump
Suction Pump ✓
Grundfos
Other:

Sampling Equipment:
Disposable Bailer ✓
Pressure Bailer
Discrete Bailer
Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: 0 ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 0700 Weather Conditions: Foggy
Sample Time/Date: 0730 8-4-05 Water Color: Clear Odor: none
Purging Flow Rate: 1-1.5 gpm. Sediment Description:
Did well de-water? If yes, Time: Volume: gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
0712	6	7.38	1341	69.1		
0715	11	7.48	1350	68.6		
0718	17	7.55	1358	68.5		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-10	6 x voa vial	YES	HCL	LANCASTER	METHANOL/TPH-G(8015)/BTEX+MTBE (8021)/ETHANOL(8260)
					METHANOL/TPH-G(8015)/BTEX+MTBE (8021)/ OXYS+ETHANOL(8260)

COMMENTS:

Add/Replaced Lock: Add/Replaced Plug: Size:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0499
Site Address: 404 Soquel Avenue
City: Santa Cruz, CA

Job Number: 386833
Event Date: 8-4-05 (inclusive)
Sampler: Joe

Well ID: E-1
Date Monitored: 8-4-05
Well Condition: ok

Well Diameter: 6 in.
Total Depth: 15.62 ft.
Depth to Water: 9.17 ft.

Volume Factor (VF)				
	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

6.45 xVF 1.50 = 9.68 x3 case volume= Estimated Purge Volume: 30 gal.

Purge Equipment:
- Disposable Bailer
- Stainless Steel Bailer
- Stack Pump
- Suction Pump ✓
- Grundfos
- Other:

Sampling Equipment:
- Disposable Bailer ✓
- Pressure Bailer
- Discrete Bailer
- Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: Ø ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 1050
Weather Conditions: Foggy
Sample Time/Date: 1125 8-4-05
Water Color: clear
Odor: none
Purging Flow Rate: 2.3 gpm.
Sediment Description:
Did well de-water? If yes, Time: Volume: gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
1059	10	6.76	1155	68.8		
1104	20	6.78	1142	68.6		
1108	30	6.84	1139	68.1		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
E-1	6 x voa vial	YES	HCL	LANCASTER	~~METHANOL/TPH-G(8015)/BTEX+MTBE (8021)/ETHANOL(8260)~~
					METHANOL/TPH-G(8015)/BTEX+MTBE (8021)/ 6 OXYS+ETHANOL(8260)

COMMENTS:

Add/Replaced Lock:
Add/Replaced Plug: Size:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0499 Job Number: 386833
Site Address: 404 Soquel Avenue Event Date: 8-4-05 (inclusive)
City: Santa Cruz, CA Sampler: Joe

Well ID: E-2 Date Monitored: 8-4-05 Well Condition: O.K.
Well Diameter: 6 in.
Total Depth: 16.12 ft.
Depth to Water: 8.95 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

7.17 xVF 1.50 = 10.76 x3 case volume= Estimated Purge Volume: 32 gal.

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump
Suction Pump ✓
Grundfos
Other:

Sampling Equipment:
Disposable Bailer ✓
Pressure Bailer
Discrete Bailer
Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: 0 ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 1010 Weather Conditions: Foggy
Sample Time/Date: 1042 8-4-05 Water Color: Clear Odor: none
Purging Flow Rate: 2.3 gpm. Sediment Description:
Did well de-water? If yes, Time: Volume: gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
1023	11	6.89	1028	67.7		
1027	22	6.91	1021	68.2		
1032	32	6.94	1019	68.4		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
E-2	6 x voa vial	YES	HCL	LANCASTER	METHANOL/TPH-G(8015)/BTEX+MTBE (8021)/ETHANOL(8260)
					METHANOL/TPH-G(8015)/BTEX+MTBE (8021)/5 OXYS+ETHANOL(8260)

COMMENTS:

Add/Replaced Lock: Add/Replaced Plug: Size:

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only
Acct. #: 11260 Sample #: 4578548-55 SCR#: 954382

080505-02

Facility #: SS#9-0499-OML G-R#386833 Global ID#T0608700233
Site Address: 404 SOQUEL AVENUE, SANTA CRUZ, CA
Chevron PM: ML Lead Consultant: SAICJM
Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, Ca. 94568
Consultant Prj. Mgr.: Deanna L. Harding (deanna@grinc.com)
Consultant Phone #: 925-551-7555 Fax #: 925-551-7899
Sampler: JOE AJEMIAN
Service Order #: ☐ Non SAR:

Analyses Requested / Preservation Codes

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Matrix: Water (Potable ☐ NPDES ☐)	Matrix: Oil ☐ Air ☐	Total Number of Containers	BTEX + MTBE 8260 ☐ 8021 ☒ (H)	TPH 8015 MOD GRO (H)	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	5 Oxygenates	Lead 7420 ☐ 7421 ☐	Methanol (8015) (H)	Ethanol (8260) (H)	[illegible]	6 oxys (8260) (H)		
QA	—	—	✓			✓		2	✓	✓										
MW3A	8-4-05	1002						6	✓	✓					✓	✓	✓	✓		
MW-7		0810						6	✓	✓			✓		✓	✓	✓			
MW-8		0920						6	✓	✓					✓	✓	✓			
MW-9		0845						6	✓	✓			✓		✓	✓	✓			
MW-10		0730						6	✓	✓					✓	✓	✓			
E-1		1125						6	✓	✓					✓	✓	✓	✓		
E-2		1042	✓			✓		6	✓	✓			✓		✓	✓	✓			

S.A.

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy s on highest hit
☐ Run ____ oxy s on all hits

Comments / Remarks

Turnaround Time Requested (TAT) (please circle)
STD. TAT 72 hour 48 hour
24 hour 4 day 5 day

Data Package Options (please circle if required)
QC Summary Type I — Full
Type VI (Raw Data) ☐ Coelt Deliverable not needed EDF/EDD
WIP (RWQCB)
Disk

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	8-4-05	1410	[signature]	8/5/05	
[signature]	8/5/05		[signature]	8/5/05	1400
[signature]	8/5/05		[signature]	8/5/05	
Relinquished by Commercial Carrier: UPS FedEx Other			[signature]	8/6/05	0940

Temperature Upon Receipt 2.00 corr 2.5°-2.9° Custody Seals Intact? Yes No

3460 Rev. 7/30/01

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Analysis Report

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583
925-842-8582

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 954382. Samples arrived at the laboratory on Saturday, August 06, 2005. The PO# for this group is 99011184 and the release number is LAFFERTY.

Client Description			Lancaster Labs Number
QA-T-050804	NA	Water	4578548
MW-3A-W-050804	Grab	Water	4578549
MW-7-W-050804	Grab	Water	4578550
MW-8-W-050804	Grab	Water	4578551
MW-9-W-050804	Grab	Water	4578552
MW-10-W-050804	Grab	Water	4578553
E-1-W-050804	Grab	Water	4578554
E-2-W-050804	Grab	Water	4578555

1 COPY TO	SAIC	Attn: Deanna Harding
ELECTRONIC	Gettler-Ryan	Attn: Cheryl Hansen
COPY TO		

Lancaster Laboratories

Analysis Report

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Questions? Contact your Client Services Representative
Megan A Moeller at (717) 656-2300

Respectfully Submitted,

Dana M. Kauffman
Manager

Lancaster Laboratories

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW 4578548

QA-T-050804 NA Water GRD
Facility# 90499 Job# 386833
404 Soquel-Santa Cruz T0608700233 QA
Collected:08/04/2005

Account Number: 11260

Submitted: 08/06/2005 09:40
Reported: 08/15/2005 at 18:02
Discard: 09/15/2005

ChevronTexaco
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

SSCQA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.5	ug/l	1
00777	Toluene	108-88-3	N.D.	0.5	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	08/09/2005 16:15	Linda C Pape	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	08/09/2005 16:15	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/09/2005 16:15	Linda C Pape	1

#=Laboratory MethodDetection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW 4578549

MW-3A-W-050804 Grab Water
Facility# 90499 Job# 386833 GRD
404 Soquel-Santa Cruz T0608700233 MW-3A
Collected:08/04/2005 10:02 by JA

Account Number: 11260

Submitted: 08/06/2005 09:40
Reported: 08/15/2005 at 18:02
Discard: 09/15/2005

ChevronTexaco
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

SSC3A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01412	Methanol and Ethanol					
01414	Methanol (by Direct Injection)	67-56-1	N.D.	1,000.	ug/l	1
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.5	ug/l	1
00777	Toluene	108-88-3	N.D.	0.5	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	2.6	2.5	ug/l	1
06065	5 Oxygenates+EDC+ETOH					
01587	Ethanol	64-17-5	N.D.	500.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	2.	2.	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	2.	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	2.	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	2.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	100.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	2.	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01412	Methanol and Ethanol	SW-846 8015B	1	08/10/2005 21:25	Robert I Pusch	1
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	08/09/2005 17:20	Linda C Pape	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	08/09/2005 17:20	Linda C Pape	1
06065	5 Oxygenates+EDC+ETOH	SW-846 8260B	1	08/11/2005 15:08	Ginelle L Feister	1

#=Laboratory MethodDetection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

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Analysis Report

Lancaster Laboratories Sample No. WW 4578549

MW-3A-W-050804 Grab Water
Facility# 90499 Job# 386833 GRD
404 Soquel-Santa Cruz T0608700233 MW-3A
Collected:08/04/2005 10:02 by JA

Account Number: 11260

Submitted: 08/06/2005 09:40
Reported: 08/15/2005 at 18:02
Discard: 09/15/2005

ChevronTexaco
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

SSC3A

01146	GC VOA Water Prep	SW-846 5030B	1	08/09/2005 17:20	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/11/2005 15:08	Ginelle L Feister	n.a.

#=Laboratory MethodDetection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories

Analysis Report

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Lancaster Laboratories Sample No. WW 4578550

MW-7-W-050804 Grab Water
Facility# 90499 Job# 386833 GRD
404 Soquel-Santa Cruz T0608700233 MW-7
Collected:08/04/2005 08:10 by JA

Account Number: 11260

Submitted: 08/06/2005 09:40
Reported: 08/15/2005 at 18:02
Discard: 09/15/2005

ChevronTexaco
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

SSC07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01412	Methanol and Ethanol					
01414	Methanol (by Direct Injection)	67-56-1	N.D.	1,000.	ug/l	1
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.5	ug/l	1
00777	Toluene	108-88-3	N.D.	0.5	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1
06064	5 Oxygenates+ETOH					
01587	Ethanol	64-17-5	N.D.	500.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	2.	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	2.	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	2.	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	2.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	100.	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01412	Methanol and Ethanol	SW-846 8015B	1	08/10/2005 21:38	Robert I Pusch	1
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	08/09/2005 17:53	Linda C Pape	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	08/09/2005 17:53	Linda C Pape	1
06064	5 Oxygenates+ETOH	SW-846 8260B	1	08/11/2005 13:56	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/09/2005 17:53	Linda C Pape	1

#=Laboratory MethodDetection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 4578550

MW-7-W-050804 Grab Water
Facility# 90499 Job# 386833 GRD
404 Soquel-Santa Cruz T0608700233 MW-7
Collected:08/04/2005 08:10 by JA

Account Number: 11260

Submitted: 08/06/2005 09:40
Reported: 08/15/2005 at 18:02
Discard: 09/15/2005

ChevronTexaco
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

SSC07 01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/11/2005 13:56	Ginelle L Feister	n.a.

#=Laboratory MethodDetection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW 4578551

MW-8-W-050804 Grab Water
Facility# 90499 Job# 386833 GRD
404 Soquel-Santa Cruz T0608700233 MW-8
Collected:08/04/2005 09:20 by JA

Account Number: 11260

Submitted: 08/06/2005 09:40
Reported: 08/15/2005 at 18:02
Discard: 09/15/2005

ChevronTexaco
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

SSC08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01412	Methanol and Ethanol					
01414	Methanol (by Direct Injection)	67-56-1	N.D.	1,000.	ug/l	1
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.5	ug/l	1
00777	Toluene	108-88-3	N.D.	0.5	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	2.6	2.5	ug/l	1
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH					
01587	Ethanol	64-17-5	N.D.	500.	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01412	Methanol and Ethanol	SW-846 8015B	1	08/10/2005 21:51	Robert I Pusch	1
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	08/09/2005 18:26	Linda C Pape	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	08/09/2005 18:26	Linda C Pape	1
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH	SW-846 8260B	1	08/11/2005 13:08	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/09/2005 18:26	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/11/2005 13:08	Ginelle L Feister	n.a.

#=Laboratory MethodDetection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

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Analysis Report

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Lancaster Laboratories Sample No. WW 4578552

MW-9-W-050804 Grab Water
Facility# 90499 Job# 386833 GRD
404 Soquel-Santa Cruz T0608700233 MW-9
Collected:08/04/2005 08:45 by JA

Account Number: 11260

Submitted: 08/06/2005 09:40
Reported: 08/15/2005 at 18:02
Discard: 09/15/2005

ChevronTexaco
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

SSC09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01412	Methanol and Ethanol					
01414	Methanol (by Direct Injection)	67-56-1	N.D.	1,000.	ug/l	1
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.5	ug/l	1
00777	Toluene	108-88-3	N.D.	0.5	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1
06064	5 Oxygenates+ETOH					
01587	Ethanol	64-17-5	N.D.	500.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	2.	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	2.	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	2.	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	2.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	100.	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01412	Methanol and Ethanol	SW-846 8015B	1	08/10/2005 22:05	Robert I Pusch	1
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	08/09/2005 18:59	Linda C Pape	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	08/09/2005 18:59	Linda C Pape	1
06064	5 Oxygenates+ETOH	SW-846 8260B	1	08/11/2005 14:20	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/09/2005 18:59	Linda C Pape	1

#=Laboratory MethodDetection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

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Analysis Report

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Lancaster Laboratories Sample No. WW 4578552

MW-9-W-050804 Grab Water
Facility# 90499 Job# 386833 GRD
404 Soquel-Santa Cruz T0608700233 MW-9
Collected:08/04/2005 08:45 by JA

Account Number: 11260

Submitted: 08/06/2005 09:40
Reported: 08/15/2005 at 18:02
Discard: 09/15/2005

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L4310
San Ramon CA 94583

SSC09

01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/11/2005 14:20	Ginelle L Feister	n.a.

#=Laboratory MethodDetection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

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Analysis Report

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Lancaster Laboratories Sample No. WW 4578553

MW-10-W-050804 Grab Water
Facility# 90499 Job# 386833 GRD
404 Soquel-Santa Cruz T0608700233 MW-10
Collected:08/04/2005 07:30 by JA

Account Number: 11260

Submitted: 08/06/2005 09:40
Reported: 08/15/2005 at 18:02
Discard: 09/15/2005

ChevronTexaco
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

SSC10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01412	Methanol and Ethanol					
01414	Methanol (by Direct Injection)	67-56-1	N.D.	1,000.	ug/l	1
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.5	ug/l	1
00777	Toluene	108-88-3	N.D.	0.5	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH					
01587	Ethanol	64-17-5	N.D.	500.	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01412	Methanol and Ethanol	SW-846 8015B	1	08/10/2005 22:18	Robert I Pusch	1
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	08/09/2005 19:31	Linda C Pape	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	08/09/2005 19:31	Linda C Pape	1
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH	SW-846 8260B	1	08/11/2005 13:32	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/09/2005 19:31	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/11/2005 13:32	Ginelle L Feister	n.a.

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N.D.=Not detected at or above the Reporting Limit

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Analysis Report

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Lancaster Laboratories Sample No. WW 4578554

E-1-W-050804 Grab Water
Facility# 90499 Job# 386833 GRD
404 Soquel-Santa Cruz T0608700233 E-1
Collected:08/04/2005 11:25 by JA

Submitted: 08/06/2005 09:40
Reported: 08/15/2005 at 18:02
Discard: 09/15/2005

Account Number: 11260

ChevronTexaco
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

SSC01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01412	Methanol and Ethanol					
01414	Methanol (by Direct Injection)	67-56-1	N.D.	1,000.	ug/l	1
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.5	ug/l	1
00777	Toluene	108-88-3	N.D.	0.5	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	6.0	2.5	ug/l	1
06065	5 Oxygenates+EDC+ETOH					
01587	Ethanol	64-17-5	N.D.	500.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	5.	2.	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	2.	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	2.	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	2.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	100.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	2.	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01412	Methanol and Ethanol	SW-846 8015B	1	08/10/2005 22:31	Robert I Pusch	1
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	08/09/2005 20:04	Linda C Pape	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	08/09/2005 20:04	Linda C Pape	1
06065	5 Oxygenates+EDC+ETOH	SW-846 8260B	1	08/11/2005 15:31	Ginelle L Feister	1

#=Laboratory MethodDetection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

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Analysis Report

Lancaster Laboratories Sample No. WW 4578554

E-1-W-050804 Grab Water
Facility# 90499 Job# 386833 GRD
404 Soquel-Santa Cruz T0608700233 E-1
Collected:08/04/2005 11:25 by JA

Account Number: 11260

Submitted: 08/06/2005 09:40
Reported: 08/15/2005 at 18:02
Discard: 09/15/2005

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San Ramon CA 94583

SSC01

01146	GC VOA Water Prep	SW-846 5030B	1	08/09/2005 20:04	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/11/2005 15:31	Ginelle L Feister	n.a.

#=Laboratory MethodDetection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

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Analysis Report

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Lancaster Laboratories Sample No. WW 4578555

E-2-W-050804 Grab Water
Facility# 90499 Job# 386833 GRD
404 Soquel-Santa Cruz T0608700233 E-2
Collected:08/04/2005 10:42 by JA

Account Number: 11260

Submitted: 08/06/2005 09:40
Reported: 08/15/2005 at 18:02
Discard: 09/15/2005

ChevronTexaco
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San Ramon CA 94583

SSC02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01412	Methanol and Ethanol					
01414	Methanol (by Direct Injection)	67-56-1	N.D.	1,000.	ug/l	1
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.5	ug/l	1
00777	Toluene	108-88-3	N.D.	0.5	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	3.9	2.5	ug/l	1
06064	5 Oxygenates+ETOH					
01587	Ethanol	64-17-5	N.D.	500.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	3.	2.	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	2.	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	2.	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	2.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	100.	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01412	Methanol and Ethanol	SW-846 8015B	1	08/10/2005 22:57	Robert I Pusch	1
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	08/09/2005 22:15	Linda C Pape	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	08/09/2005 22:15	Linda C Pape	1
06064	5 Oxygenates+ETOH	SW-846 8260B	1	08/11/2005 14:44	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/09/2005 22:15	Linda C Pape	1

#=Laboratory MethodDetection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

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Analysis Report

Lancaster Laboratories Sample No. WW 4578555

E-2-W-050804 Grab Water
Facility# 90499 Job# 386833 GRD
404 Soquel-Santa Cruz T0608700233 E-2
Collected:08/04/2005 10:42 by JA

Account Number: 11260

Submitted: 08/06/2005 09:40
Reported: 08/15/2005 at 18:02
Discard: 09/15/2005

ChevronTexaco
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

SSC02 01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/11/2005 14:44	Ginelle L Feister	n.a.

#=Laboratory MethodDetection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

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Analysis Report

Quality Control Summary

Client Name: ChevronTexaco
Reported: 08/15/05 at 06:02 PM

Group Number: 954382

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 Limits	RPD	RPD Max
Batch number: 05220A56A	Sample number(s): 4578548-4578555							
Benzene	N.D.	0.5	ug/l	97	99	86-119	3	30
Toluene	N.D.	0.5	ug/l	100	102	82-119	2	30
Ethylbenzene	N.D.	.5	ug/l	103	106	81-119	2	30
Total Xylenes	N.D.	1.5	ug/l	107	109	82-120	2	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	103	100	82-124	3	30
TPH-GRO - Waters	N.D.	50.	ug/l	96	96	70-130	0	30
Batch number: 052220020A	Sample number(s): 4578549-4578555							
Methanol (by Direct Injection)	N.D.	1000.	ug/l	100		80-120		
Batch number: Z052231AA	Sample number(s): 4578549-4578555							
Ethanol	N.D.	500.	ug/l	90		30-155		
Methyl Tertiary Butyl Ether	N.D.	2.	ug/l	91		77-127		
di-Isopropyl ether	N.D.	2.	ug/l	89		67-130		
Ethyl t-butyl ether	N.D.	2.	ug/l	90		74-120		
t-Amyl methyl ether	N.D.	2.	ug/l	89		79-113		
t-Butyl alcohol	N.D.	100.	ug/l	96		57-141		
1,2-Dichloroethane	N.D.	2.	ug/l	94		77-132		

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 05220A56A	Sample number(s): 4578548-4578555								
Benzene	99		78-131						
Toluene	101		78-129						
Ethylbenzene	103		75-133						
Total Xylenes	104		80-134						
Methyl tert-Butyl Ether	94		70-134						
TPH-GRO - Waters	100		63-154						
Batch number: 052220020A	Sample number(s): 4578549-4578555								
Methanol (by Direct Injection)	100	104	88-126	4	20				
Batch number: Z052231AA	Sample number(s): 4578549-4578555								
Ethanol	98	83	26-153	17	30				
Methyl Tertiary Butyl Ether	94	94	69-134	1	30				
di-Isopropyl ether	94	95	75-130	0	30				
Ethyl t-butyl ether	94	95	78-119	1	30				
t-Amyl methyl ether	92	94	77-117	2	30				

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

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Analysis Report

Quality Control Summary

Client Name: ChevronTexaco
Reported: 08/15/05 at 06:02 PM

Group Number: 954382

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
t-Butyl alcohol	100	97	51-147	3	30				
1,2-Dichloroethane	98	97	73-136	1	30				

Surrogate Quality Control

Analysis Name: BTEX, MTBE (8021)
Batch number: 05220A56A

	Trifluorotoluene-F	Trifluorotoluene-P
4578548	100	87
4578549	99	89
4578550	99	90
4578551	97	89
4578552	99	89
4578553	100	88
4578554	99	86
4578555	99	90
Blank	99	89
LCS	101	86
LCSD	100	87
MS	99	89
Limits:	63-135	69-129

Analysis Name: Methanol and Ethanol
Batch number: 052220020A

	Acetone
4578549	96
4578550	102
4578551	97
4578552	101
4578553	101
4578554	106
4578555	99
Blank	96
LCS	96
MS	98
MSD	100
Limits:	78-128

Analysis Name: 5 Oxygenates+EDC+ETOH
Batch number: Z052231AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4578549	93	89	88	87
4578550	93	88	88	88
4578551	92	88	89	89
4578552	94	87	90	88
4578553	92	86	91	88
4578554	94	88	91	88

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

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Analysis Report

Quality Control Summary

Client Name: ChevronTexaco
Reported: 08/15/05 at 06:02 PM

Group Number: 954382

Surrogate Quality Control

4578555	93	88	88	89
Blank	92	87	90	88
LCS	92	88	90	90
MS	92	87	91	90
MSD	92	87	90	89
Limits:	81-120	82-112	85-112	83-113

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

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2425 New Holland Pike • Lancaster, PA 17601

Explanation of Symbols and Abbreviations

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

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

< less than - The number following the sign is the limit of quantitation, 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

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope 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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