Environmental Management Company
6001 Bollinger Canyon Rd, L4050
P.O. Box 6012
San Ramon, CA 94583-2324
Tel 925-842-1589
Fax 925-842-8370

Karen Streich
Project Manager

April 21, 2003

ChevronTexaco

Alameda County
APR 23 2003
Environmental Health

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

Re: Chevron Service Station # 9-0329
Address: 340 Highland Ave Piedmont, CA

I have reviewed the attached routine groundwater monitoring report dated March 21, 2003.

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 Gettler-Ryan, Inc., 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,

Karen Streich
Project Manager

Enclosure: Report

GETTLER-RYAN INC.

March 21, 2003
G-R Job #386493

Ms. Karen Streich
Chevron Products Company
P.O. Box 6004
San Ramon, CA 94583

RE: First Quarter Event of February 17, 2003
Groundwater Monitoring & Sampling Report
Former Chevron Service Station #9-0329
340 Highland Avenue
Piedmont, California

Dear Ms. Streich:

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.

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

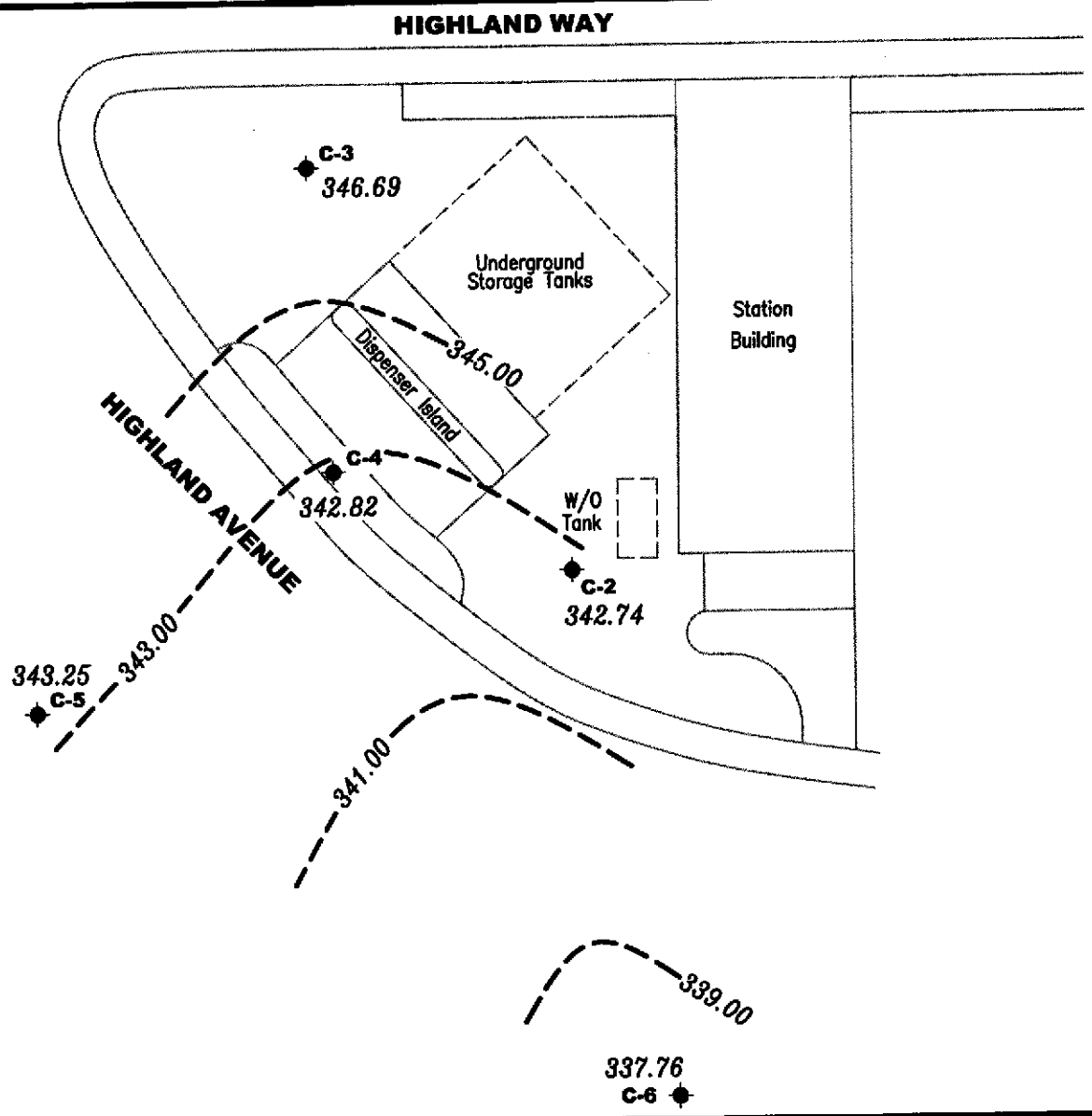
Sincerely,

Deanna L. Harding
Project Coordinator

Stephen J. Carter
Senior Geologist, R.G. No. 5577

REGISTERED GEOLOGIST
STEPHEN J. CARTER
No. 5577
STATE OF CALIFORNIA

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



EXPLANATION

- ◆ Groundwater monitoring well
- 99.99 Groundwater elevation in feet referenced to Mean Sea Level
- 99.99 Groundwater elevation contour, dashed where inferred.
- Approximate groundwater flow direction at a gradient of 0.04 to 0.08 Ft./Ft.

N

0 30

Scale in Feet

FIGURE 1

POTENTIOMETRIC MAP
Former Chevron Service Station #9-0329
340 Highland Avenue
Piedmont, California

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

JOB NUMBER 386493

REVIEWED BY

DATE February 17, 2003

REVISED DATE

FILE NAME: P:\ENVIRO\CHEVRON\9-0329\Q03-9-0329.DWG | Layout Tab: Pot1

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-0329

340 Highland Avenue

Piedmont, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-2									
94.19	08/07/89	2.88	91.31	34,000	580	60	170	270	--
	11/15/89	2.80	91.39	8,100	500	36	420	180	--
	02/01/91	3.75	90.44	6,800	490	21	310	86	--
	04/16/91	2.55	91.64	9,600	810	43	550	270	--
	10/16/91	3.52	90.67	7,100	320	23	200	60	--
	01/08/92	4.15	90.04	2,400	190	9.0	83	22	--
	04/10/92	2.96	91.23	6,600	550	33	340	170	--
	07/14/92	2.83	91.36	9,000	680	330	580	690	--
	10/05/92	4.38	89.81	5,500	250	17	130	82	--
	01/06/93	3.94	90.25	5,500	190	32	41	54	--
	03/29/93	2.09	92.10	19,000	670	40	180	370	--
	07/02/93	2.09	92.10	8,000	1,100	41	420	500	--
	10/11/93	2.76	91.43	42,000	940	34	140	87	--
	01/10/94	4.82	89.37	12,000	770	20	220	74	--
	04/06/94	2.49	91.70	40,000	820	33	190	110	--
	07/06/94	2.47	91.72	8,800	870	28	140	95	--
	11/11/94	2.87	91.32	8,600	460	81	180	120	--
	01/06/95	2.55	91.64	15,000	880	48	270	140	--
	04/13/95	2.06	92.13	56,000	2,500	130	730	360	--
	07/25/95	2.14	92.05	11,000	1,000	34	540	160	--
	10/05/95	2.51	91.68	13,000	1,000	<20	160	170	--
	01/02/96	2.22	91.97	9,500	1,300	<50	380	87	64,000
	04/11/96	1.92	92.27	<10,000	1,300	<100	<100	<100	74,000
	07/08/96	2.05	92.14	<20,000	1,200	<200	<200	<200	110,000
	10/03/96	2.29	91.90	<25,000	1,200	<250	<250	<250	140,000
343.39	01/23/97	1.90	341.49	20,000	1,100	<200	460	<200	110,000
	02/14/97	1.97	341.42	--	--	--	--	--	150,000[1]
	04/08/97	2.27	341.12	<50,000	1,100	<500	<500	<500	160,000
	07/09/97	1.98	341.41	<50,000	1,300	<500	<500	<500	210,000
	10/08/97	2.30	341.09	18,000	1,400	<50	300	95	160,000
	01/22/98	1.68	341.71	10,000	860	10	140	37	70,000
	04/15/98	1.20	342.19	<10,000	1,400	<100	510	<100	46,000
	07/09/98	1.47	341.92	33,000	1,700	<50	650	<50	120,000

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-0329

340 Highland Avenue

Piedmont, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-2	10/02/98	2.13	341.26	11,000	920	11	130	76	100,000
(cont)	01/18/99	1.84	341.55	<25,000	1,770	<250	<250	<250	48,400/78,300[1]
	04/19/99	1.17	342.22	9,900	1,110	26.6	455	82	33,300
	09/28/99	2.81	340.58	11,500	1,100	<50	93.9	53.1	26,200
	10/27/99	2.98	340.41	9,440	711	<20	74.9	42.4	17,500
	01/17/00	2.35	341.04	12,200	813	<50	133	<50	21,200
	04/11/00	1.31	342.08	210[4]	26	<0.50	3.7	1.1	580
	07/12/00	1.79	341.60	18,100[5]	1,350	480	800	1,240	19,200
	10/07/00	1.70	341.69	8,860[5]	1,070	<20.0	406	90.5	20,000
	01/05/01	1.57	341.82	14,000[4]	2,000	55	560	120	17,000
	04/05/01	1.37	342.02	4,900[4]	330	38	120	32	1,200
	08/20/01	2.52	340.87	7,300	1,100	42	290	55	7,200
	11/26/01	1.35	342.04	9,500	650	13	66	44	3,100
	02/25/02	0.82	342.57	5,300	340	6.9	83	22	1,200/1,400[7]
	05/17/02	1.85	341.54	6,300	160	5.1	45	14	5,100
	08/13/02	1.95	341.44	8,800	670	16	380	73	3,700
	11/23/02	1.62	341.77	9,400	490	11	250	47	1,900
	02/17/03	**0.65**	**342.74**	**7,000**	**340**	**9.9**	**160**	**35**	**4,200/3,800[7]**
C-3									
97.65	08/07/89	4.29	93.36	<50	<0.5	<1.0	<1.0	<3.0	--
	11/15/89	5.17	92.48	<500	<0.5	2.8	<0.5	1.1	--
	02/01/91	6.38	91.27	<50	<0.5	<0.5	<0.5	<0.5	--
	04/16/91	3.72	93.93	<50	<0.5	<0.5	<0.5	<0.5	--
	10/16/91	8.20	89.45	<50	<0.5	<0.5	<0.5	<0.5	--
	01/08/92	6.68	90.97	<50	<0.5	<0.5	<0.5	<0.5	--
	04/10/92	4.50	93.15	<50	<0.5	<0.5	<0.5	<0.5	--
	07/14/92	6.21	91.44	<50	<0.5	<0.5	<0.5	<0.5	--
	10/05/92	9.31	88.34	<50	<0.5	<0.5	<0.5	<0.5	--
	01/06/93	3.41	94.24	<50	<0.5	<0.5	<0.5	<0.5	--
	03/29/93	0.50	97.15	<50	<0.5	<0.5	<0.5	0.8	--
	07/02/93	2.59	95.06	<50	4.0	3.0	<0.5	3.0	--
	10/11/93	4.90	92.75	<50	<0.5	<0.5	<0.5	<0.5	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-0329

340 Highland Avenue

Piedmont, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-3 (cont)	01/10/94	4.39	93.26	<50	<0.5	1.0	<0.5	0.8	--
	04/06/94	2.68	94.97	<50	<0.5	1.0	0.7	4.5	--
	07/06/94	2.10	95.55	<50	2.2	4.1	<0.5	2.8	--
	11/11/94	1.23	96.42	<50	<0.5	0.8	<0.5	<0.5	--
	01/06/95	0.60	97.05	<50	<0.5	<0.5	<0.5	<0.5	--
	04/13/95	0.60	97.05	<50	<0.5	<0.5	<0.5	<0.5	--
	07/25/95	1.65	96.00	<50	<0.5	<0.5	<0.5	<0.5	--
	10/05/95	3.63	94.02	<50	<0.5	<0.5	<0.5	<0.5	--
	01/02/96	3.12	94.53	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	04/11/96	0.82	96.83	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	07/08/96	1.50	96.15	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	10/03/96	2.48	95.17	<50	<0.5	<0.5	<0.5	<0.5	<2.5
347.08	01/23/97	0.21	346.87	<50	<0.5	<0.5	<0.5	<0.5	3.2
	04/08/97	0.75	346.33	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	07/09/97	1.47	345.61	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	10/08/97	2.04	345.04	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	01/22/98	FLOODED	--	<50	<0.5	<0.5	<0.5	<0.5	40
	04/15/98	FLOODED	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
347.20	05/13/98[2]	--	--	--	--	--	--	--	--
	07/09/98	0.47	346.73	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	10/02/98	0.98	346.22	<50	<0.5	<0.5	<0.5	<1.5	<2.5
	01/18/99	0.77	346.43	<50	<0.5	<0.5	<0.5	<1.5	<2.0
	04/19/99	0.53	346.67	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	07/19/99	0.81	346.39	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/27/99	1.47	345.73	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	01/17/00	0.94	346.26	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	04/11/00	0.30	346.90	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	07/12/00	0.42	346.78	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
	10/07/00	1.01	346.19	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
	01/05/01	1.38	345.82	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	04/05/01	0.35	346.85	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	08/20/01	0.80	346.40	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	11/26/01	0.36	346.84	<50	<0.50	<0.50	<0.50	<1.5	<2.5
	02/25/02	0.36	346.84	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2[7]

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-0329

340 Highland Avenue

Piedmont, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-3	05/17/02	0.45	346.75	<50	<0.50	<0.50	<0.50	<1.5	<2.5
(cont)	08/13/02	1.11	346.09	<50	<0.50	<0.50	<0.50	<1.5	<2.5
	11/23/02	1.49	345.71	<50	<0.50	<0.50	<0.50	<1.5	<2.5
	02/17/03	**0.51**	**346.69**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.5**	**<2.5/<0.5[7]**
C-4									
95.60	08/07/89	DRY	--	--	--	--	--	--	--
	11/15/89	4.95	90.65	1300	2.9	310	0.5	2.9	--
	02/01/91	4.78	90.82	72	<0.5	9.0	<0.5	<0.5	--
	04/16/91	4.83	90.77	<50	<0.5	<0.5	<0.5	<0.5	--
	10/16/91	4.23	91.37	<50	<0.5	<0.5	<0.5	<0.5	--
	01/08/92	4.81	90.79	<50	<0.5	<0.5	<0.5	<0.5	--
	04/10/92	4.26	91.34	<50	<0.5	<0.5	<0.5	<0.5	--
	07/14/92	4.28	91.32	<50	<0.5	3.8	<0.5	<0.5	--
	10/05/92	4.29	91.31	<50	<0.5	<0.5	<0.5	<0.5	--
	01/06/93	4.29	91.31	<50	0.7	<0.5	<0.5	<0.5	--
	03/29/93	4.30	91.30	<50	0.5	1.0	<0.5	2.0	--
	07/02/93	4.22	91.38	<50	<0.5	<0.5	<0.5	<0.5	--
	10/11/93	4.30	91.30	<50	0.6	<0.5	<0.5	<0.5	--
	01/10/94	4.44	91.16	<50	0.7	3.0	<0.5	1.0	--
	04/06/94	4.24	91.36	130	2.2	5.4	3.3	24	--
	07/06/94	4.24	91.36	99	5.9	7.5	2.0	12	--
	11/11/94	4.21	91.39	<50	<0.5	9.5	<0.5	<0.5	--
	01/06/95	4.42	91.18	<50	0.7	1.0	<0.5	1.1	--
	04/13/95	4.24	91.36	67	0.54	7.2	<0.5	1.1	--
	07/25/95	4.24	91.36	390	<2.0	150	<2.0	<2.0	--
	10/05/95	4.38	91.22	130	<0.5	66	<0.5	<0.5	--
	01/02/96	4.26	91.34	<50	<0.5	<0.5	<0.5	<0.5	34
	04/11/96	4.39	91.21	<50	<0.5	0.93	<0.5	<0.5	56
	07/08/96	4.28	91.32	<50	<0.5	<0.5	<0.5	<0.5	21
	10/03/96	4.22	91.38	80	<0.5	31	<0.5	<0.5	9.9
344.94	01/23/97	4.39	340.55	<50	<0.5	<0.5	<0.5	<0.5	23
	04/08/97	4.25	340.69	87	<0.5	3.6	<0.5	1.7	7.0

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-0329

340 Highland Avenue

Piedmont, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-4 (cont)	07/09/97	4.21	340.73	93	<0.5	32	<0.5	<0.5	26
	10/08/97	4.34	340.60	<50	<0.5	0.63	<0.5	<0.5	12
	01/22/98	4.26	340.68	<50	<0.5	4.3	<0.5	<0.5	10
	04/15/98	1.01	343.93	SAMPLED SEMI-ANNUALLY		--	--	--	--
	07/09/98	4.25	340.69	<50	<0.5	<0.5	<0.5	<0.5	37
	10/02/98	4.35	340.59	--	--	--	--	--	--
	01/18/99	4.21	340.73	<50	<0.5	<0.5	<0.5	<0.5	25.4
	04/19/99	2.31	342.63	--	--	--	--	--	--
	07/19/99[3]	1.53	343.41	10,000	1,160	23	178	50.4	45,600
	09/28/99	4.70	340.24	<50	<0.5	0.919	<0.5	<0.5	<2.5
	10/27/99	1.26	343.68	--	--	--	--	--	--
	01/17/00	4.22	340.72	<50	<0.5	21.4	<0.5	<0.5	4.6
	04/11/00	4.21	340.73	--	--	--	--	--	--
	07/12/00	4.21	340.73	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
	10/07/00	4.23	340.71	--	--	--	--	--	--
	01/05/01	4.22	340.72	<50	<0.50	<0.50	<0.50	<0.50	27
	04/05/01	4.23	340.71	--	--	--	--	--	--
	08/20/01	4.27	340.67	<50	<0.50	<0.50	<0.50	<0.50	18
	11/26/01	4.26	340.68	SAMPLED SEMI-ANNUALLY		--	--	--	--
	02/25/02	4.25	340.69	<50	<0.50	1.8	<0.50	<1.5	24/24[7]
	05/17/02	3.30	341.64	SAMPLED SEMI-ANNUALLY		--	--	--	--
	08/13/02	4.10	340.84	<50	<0.50	<0.50	<1.0	<1.5	7.3
	11/23/02	3.04	341.90	SAMPLED SEMI-ANNUALLY		--	--	--	--
	02/17/03	**2.12**	**342.82**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.5**	**<2.5/<0.5[7]**
C-5 345.14	11/25/96	3.30	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	01/23/97	1.45	343.69	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	04/08/97	2.32	342.82	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	07/09/97	2.30	342.84	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	10/08/97	3.00	342.14	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	01/22/98	1.00	344.14	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	04/15/98	3.25	341.89	SAMPLED ANNUALLY		--	--	--	--
	07/09/98	0.20	344.94	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-0329

340 Highland Avenue

Piedmont, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-5	10/02/98	2.32	342.82	--	--	--	--	--	--
(cont)	01/18/99	2.13	343.01	<50	<0.5	<0.5	<0.5	<0.5	<2.0
	04/19/99	2.07	343.07	--	--	--	--	--	--
	07/19/99	2.42	342.72	--	--	--	--	--	--
	10/27/99	2.37	342.77	--	--	--	--	--	--
	01/17/00	2.50	342.64	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	04/11/00	2.18	342.96	--	--	--	--	--	--
	07/12/00	2.08	343.06	--	--	--	--	--	--
	10/07/00	2.38	342.76	--	--	--	--	--	--
	01/05/01	2.13	343.01	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	04/05/01	1.80	343.34	--	--	--	--	--	--
	08/20/01	2.08	343.06	--	--	--	--	--	--
	11/26/01	2.25	342.89	SAMPLED ANNUALLY		--	--	--	--
	02/25/02	2.80	342.34	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2[7]
	05/17/02	1.81	343.33	SAMPLED ANNUALLY		--	--	--	--
	08/13/02	1.82	343.32	SAMPLED ANNUALLY		--	--	--	--
	11/23/02	2.36	342.78	SAMPLED ANNUALLY		--	--	--	--
	02/17/03	**1.89**	**343.25**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.5**	**<2.5/<0.5[7]**
C-6	11/25/96	2.13	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
338.61	01/23/97	FLOODED	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	04/08/97	FLOODED	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	07/09/97	2.77	335.84	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	10/08/97	1.44	337.17	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	01/22/98	1.54	337.07	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	04/15/98	1.30	337.31	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	07/09/98	FLOODED	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	10/02/98	2.80	335.81	<50	<0.5	<0.5	<0.5	<1.5	<2.5
	01/18/99	1.29	337.32	<50	<0.5	<0.5	<0.5	<0.5	<2.0
	04/19/99	1.31	337.30	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	07/19/99	1.56	337.05	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/27/99	1.45	337.16	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	01/17/00	1.65	336.96	<50	<0.5	<0.5	<0.5	<0.5	<2.5

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-0329

340 Highland Avenue

Piedmont, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-6 (cont)	04/11/00	1.56	337.05	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	07/12/00	1.01	337.60	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
	10/07/00	1.19	337.42	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
	01/05/01	0.87	337.74	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	04/05/01	0.32	338.29	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	08/20/01	--[6]	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	11/26/01	0.76	337.85	<50	<0.50	<0.50	<0.50	<1.5	<2.5
	02/25/02	--[6]	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2[7]
	05/17/02	--[6]	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
	08/13/02	0.90	337.71	<50	<0.50	<0.50	<0.50	<1.5	<2.5
	11/23/02	1.03	337.58	<50	<0.50	<0.50	<0.50	<1.5	<2.5
	02/17/03	**0.85**	**337.76**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.5**	**<2.5/<0.5[7]**
Backfill Well: A									
	08/07/89	2.10	--	1,000	50	6.0	5.0	22	--
	11/15/89	2.04	--	3,700	98	2.1	4.3	55	--
	02/01/91	3.05	--	36,000	1,100	750	130	6,100	--
	04/16/91	2.01	--	8,000	370	6.0	86	750	--
	10/16/91	4.15	--	--	--	--	--	--	--
	NOT MONITORED/SAMPLED								
Backfill Well: B									
	08/07/89	4.12	--	--	--	--	--	--	--
	11/15/89	--	--	--	--	--	--	--	--
	02/01/91	5.03	--	--	--	--	--	--	--
	04/16/91	4.00	--	--	--	--	--	--	--
	10/16/91	6.24	--	--	--	--	--	--	--
	NOT MONITORED/SAMPLED								

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-0329

340 Highland Avenue

Piedmont, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
Trip Blank									
TB-LB	01/06/93	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	03/29/93	--	--	<50	<0.5	<0.5	<0.5	1.0	--
	07/02/93	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	10/11/93	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	01/10/94	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	04/06/94	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	07/06/94	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	11/11/94	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	01/06/95	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	04/13/95	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	07/25/95	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	10/05/95	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	01/02/96	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	04/11/96	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	07/08/96	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	10/03/96	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	01/23/97	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	04/08/97	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	07/09/97	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	10/08/97	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	01/22/98	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	07/09/98	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	10/02/98	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	01/18/99	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0
	04/19/99	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	07/19/99	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/27/99	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	01/17/00	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	04/11/00	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	07/12/00	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
	10/07/00	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
	01/05/01	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-0329

340 Highland Avenue

Piedmont, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
TB-LB	04/05/01	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
(cont)	08/20/01	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
QA	11/26/01	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
	02/25/02	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
	05/17/02	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
	08/13/02	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
	11/23/02	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
	02/17/03	--	--	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.5**	**<2.5**

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-0329

340 Highland Avenue

Piedmont, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to April 11, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

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
QA = Quality Assurance/Trip Blank

* TOC elevations are relative to msl.

1 MTBE confirmation run.

2 TOC elevation adjusted due to broken top of casing.

3 Anomalous results: Results for this sample are likely the result of a mislabeling of sample containers; results most closely resemble those of well C-2.

4 Laboratory report indicates gasoline C6-C12.

5 Laboratory report indicates weathered gasoline C6-C12.

6 Unable to determine DTW, water overflowing TOC.

7 MTBE by EPA Method 8260.

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Former Chevron Service Station #9-0329
340 Highland Avenue
Piedmont, California

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
C-2	02/25/02	<500	210	1,400	<2	2	97	<2	<2
	02/17/03	--	**890**	**3,800**	**<1**	**6**	**110**	**<1**	**<1**
C-3	02/25/02	<500	<100	<2	<2	<2	<2	<2	<2
	02/17/03	--	**<5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
C-4	02/25/02	<500	<100	24	<2	<2	<2	<2	<2
	02/17/03	--	**<5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
C-5	02/25/02	<500	<100	<2	<2	<2	<2	<2	<2
	02/17/03	--	**<5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
C-6	02/25/02	<500	<100	<2	<2	<2	<2	<2	<2
	02/17/03	--	**<5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**

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

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0329 Job Number: 386493
Site Address: 340 Highland Avenue Event Date: 2-17-03 (inclusive)
City: Piedmont, CA Sampler: Jim Herron

Well ID C-2 Date Monitored: 2-17-03 Well Condition: ok
Well Diameter (2) in.
Total Depth 12.21 ft.
Depth to Water .65 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

11.56 xVF .17 = 1.96 x3 (case volume) = Estimated Purge Volume: 5.89 gal.

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

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

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

Start Time (purge): 1500 Weather Conditions: Overcast
Sample Time/Date: 1520 / 2-17-03 Water Color: Clear Odor: No
Purging Flow Rate: — gpm. Sediment Description: None
Did well de-water? No If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
1504	2	7.02	711	16.4		
1507	4	6.62	706	16.8		
1511	6	6.65	709	16.3		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
C-2	6 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021)/ 7 OXYS(8260)

COMMENTS: New total well Depth taken

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0329 Job Number: 386493
Site Address: 340 Highland Avenue Event Date: 2-17-03 (inclusive)
City: Piedmont, CA Sampler: S. Herron

Well ID C-3 Date Monitored: 2-17-03 Well Condition: OK
Well Diameter (2) in.
Total Depth 13.06 ft.
Depth to Water .51 ft.
12.55 xVF .17 = 2.13 x3 (case volume) = Estimated Purge Volume: 6.40 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 X
Stainless Steel Bailer
Stack Pump
Suction Pump
Grundfos
Other:

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

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

Start Time (purge): 1530 Weather Conditions: Overcast
Sample Time/Date: 1555 / 2-17-03 Water Color: Clear Odor: Yes
Purging Flow Rate: — gpm. Sediment Description: No
Did well de-water? No If yes, Time: Volume: gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
1534	2	7.58	323	15.2		
1537	4	7.22	298	15.3		
1540	6	7.23	296	15.1		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
C-3	6 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021) / 7 OXYS (8260)

COMMENTS: New TwD Taken

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0329 Job Number: 386493
Site Address: 340 Highland Avenue Event Date: 2-17-03 (inclusive)
City: Piedmont, CA Sampler: Jim Herron

Well ID C-4 Date Monitored: 2-17-03 Well Condition: ok
Well Diameter 2 in.
Total Depth 9.75 ft.
Depth to Water 2.12 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

7.63 xVF .17 = 1.29 x3 (case volume) = Estimated Purge Volume: 3.84 gal.

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

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

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

Start Time (purge): 1600 Weather Conditions: Overcast
Sample Time/Date: 1625 / 2-17-03 Water Color: Brown Odor: No
Purging Flow Rate: ~ gpm. Sediment Description: Heavy
Did well de-water? No If yes, Time: Volume: gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
1602	1.5	7.18	332	14.7		
1604	3.0	6.65	338	15.3		
1607	4.5	6.71	348	15.1		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
C-4	6 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021)/ 7 Oxys(8260)

COMMENTS: New TwD Taken

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0329 Job Number: 386493
Site Address: 340 Highland Avenue Event Date: 2-17-03 (inclusive)
City: Piedmont, CA Sampler: Jim Herzron

Well ID C-5 Date Monitored: 2-17-03 Well Condition: ok
Well Diameter 2 in.
Total Depth 17.32 ft.
Depth to Water 1.89 ft.
15.43 xVF .17 = 2.62 x3 (case volume) = Estimated Purge Volume: 7.86 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 X
Suction Pump
Grundfos
Other:

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

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

Start Time (purge): 1629 Weather Conditions: Overcast
Sample Time/Date: 1645 / 2-17-03 Water Color: Light Brown Odor: No
Purging Flow Rate: ~ gpm. Sediment Description: Light
Did well de-water? No If yes, Time: Volume: gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°C/F)	D.O. (mg/L)	ORP (mV)
1632	2.5	7.14	628	14.1		
1635	5.0	6.98	637	14.6		
1638	7.5	6.97	644	15.5		

LABORATORY INFORMATION

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

COMMENTS: New DW D Taken

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0329 Job Number: 386493
Site Address: 340 Highland Avenue Event Date: 2-17-03 (inclusive)
City: Piedmont, CA Sampler: Jim Herren

Well ID C-6 Date Monitored: 2-17-03 Well Condition: o/c
Well Diameter 2 in.
Total Depth 17.21 ft.
Depth to Water .95 ft.
16.26 xVF .17 = 2.76 x3 (case volume) = Estimated Purge Volume: 8.3 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 X
Suction Pump
Grundfos
Other:

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

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

Start Time (purge): 1650 Weather Conditions: Overcast
Sample Time/Date: 1710 12-17-03 Water Color: Clear Odor: No
Purging Flow Rate: 2.5 gpm. Sediment Description: Light
Did well de-water? No If yes, Time: Volume: gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
1652	3	7.17	532	15.3		
1654	6	6.94	544	15.7		
1656	9	6.82	540	16.4		

LABORATORY INFORMATION

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

COMMENTS: New TWD Taken

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

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

02/903-005

Acct. #: 10904 For Lancaster Laboratories use only Sample #: 399803843 SCR#: 842054

Facility #: SS#9-0329 G-R#386493 Global ID#T0600101885
Site Address: 340 HIGHLAND AVE.PIEDMONT, CA
Chevron PM: KS Lead Consultant: CAMBRIA
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: Jim Herron
Service Order #: ☐ Non SAR:

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

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Water	Oil ☐ Air ☐	Total Number of Containers	Analyses Requested / Preservation Codes: BTEX + MTBE 8260 ☐ 8021 ☑	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	Oxygenates	Lead 7420 ☐ 7421 ☐	Comments / Remarks
QA	2-17-03		X			X		2	X	X					
C-2	2-17-03	1520	X			X		6	X	X			X		
C-3	2-17-03	1555	X			X		6	X	X			X		
C-4	2-17-03	1625	X			X		6	X	X			X		
C-5	2-17-03	1645	X			X		6	X	X			X		
C-6	2-17-03	1710	X			X		6	X	X			X		

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
WIP (RWQCB)
Disk

	Date	Time		Date	Time
Relinquished by:	2-17-03	1820	Received by: PV	2/19/03	1850
Relinquished by: DV	2/19/03	1150	Received by: Andrea Amaya	2-19-03	1150
Relinquished by: Andrea Amaya	2-19-03	1530	Received by: Airborne	2-19-03	
Relinquished by Commercial Carrier: UPS FedEx Other Airborne			Received by: Kathy Binkley	2-20-03	1140 0940 KB 2-20
Temperature Upon Receipt 2.9°C to 2.0			Custody Seals Intact? Yes No	N/A	

3460 Rev. 7/30/01

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

Analysis Report

Lancaster Laboratories

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd 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 842054. Samples arrived at the laboratory on Thursday, February 20, 2003. The PO# for this group is 99011184 and the release number is STREICH.

Client Description			Lancaster Labs Number
QA-T-030217	NA	Water	3998638
C-2-W-030217	Grab	Water	3998639
C-3-W-030217	Grab	Water	3998640
C-4-W-030217	Grab	Water	3998641
C-5-W-030217	Grab	Water	3998642
C-6-W-030217	Grab	Water	3998643

1 COPY TO Cambria C/O Gettler- Ryan Attn: Deanna L. Harding

Questions? Contact your Client Services Representative
Teresa L Cunningham at (717) 656-2300.

Respectfully Submitted,

Steven A. Skiles
Sr. Chemist

Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

MEMBER ACIL

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 3998638

Collected:02/17/2003 00:00

Account Number: 10904

Submitted: 02/20/2003 11:40
Reported: 03/05/2003 at 10:09
Discard: 04/05/2003
QA-T-030217 NA Water

ChevronTexaco
6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Facility# 90329 Job# 386493 GRD
340 Highland Ave-Piedmont T0600101885 QA

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. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
02159	BTEX, MTBE					
02161	Benzene	71-43-2	N.D.	0.50	ug/l	1
02164	Toluene	108-88-3	N.D.	0.50	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					

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	02/22/2003 05:35	Melissa D Mann	1
02159	BTEX, MTBE	SW-846 8021B	1	02/22/2003 05:35	Melissa D Mann	1
01146	GC VOA Water Prep	SW-846 5030B	1	02/22/2003 05:35	Melissa D Mann	n.a.

MEMBER ACIL
Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 3998639

Collected:02/17/2003 15:20 by JH

Account Number: 10904

Submitted: 02/20/2003 11:40
Reported: 03/05/2003 at 10:09
Discard: 04/05/2003
C-2-W-030217 Grab Water

ChevronTexaco
6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Facility# 90329 Job# 386493 GRD
340 Highland Ave-Piedmont T0600101885 C-2

HAPC2

01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	02/22/2003 01:14	Melissa D Mann	10
02159	BTEX, MTBE	SW-846 8021B	1	02/22/2003 01:14	Melissa D Mann	10
01595	Oxygenates by 8260B	SW-846 8260B	1	03/01/2003 22:19	John B Kiser	2
01595	Oxygenates by 8260B	SW-846 8260B	1	03/01/2003 22:50	John B Kiser	40
01146	GC VOA Water Prep	SW-846 5030B	1	02/22/2003 01:14	Melissa D Mann	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	03/01/2003 22:19	John B Kiser	n.a.

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 3998639

Collected:02/17/2003 15:20 by JH

Account Number: 10904

Submitted: 02/20/2003 11:40
Reported: 03/05/2003 at 10:09
Discard: 04/05/2003
C-2-W-030217 Grab Water

ChevronTexaco
6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Facility# 90329 Job# 386493 GRD
340 Highland Ave-Piedmont T0600101885 C-2

HAPC2

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.	7,000.	500.	ug/l	10
	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. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
02159	BTEX, MTBE					
02161	Benzene	71-43-2	340.	5.0	ug/l	10
02164	Toluene	108-88-3	9.9	5.0	ug/l	10
02166	Ethylbenzene	100-41-4	160.	5.0	ug/l	10
02171	Total Xylenes	1330-20-7	35.	15.	ug/l	10
02172	Methyl tert-Butyl Ether	1634-04-4	4,200.	25.	ug/l	10
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
01595	Oxygenates by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	3,800.	20.	ug/l	40
02011	di-Isopropyl ether	108-20-3	N.D.	1.	ug/l	2
02013	Ethyl t-butyl ether	637-92-3	6.	1.	ug/l	2
02014	t-Amyl methyl ether	994-05-8	110.	1.	ug/l	2
02015	t-Butyl alcohol	75-65-0	890.	10.	ug/l	2
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	2
05412	1,2-Dibromoethane	106-93-4	N.D.	1.	ug/l	2
	Due to the level of methyl t-butyl ether, the reporting limit(s) for all GC/MS volatile compounds were raised.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor

Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

MEMBER ACIL

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 3998640

Collected:02/17/2003 15:55 by JH

Account Number: 10904

Submitted: 02/20/2003 11:40
Reported: 03/05/2003 at 10:09
Discard: 04/05/2003
C-3-W-030217 Grab Water

ChevronTexaco
6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Facility# 90329 Job# 386493 GRD
340 Highland Ave-Piedmont T0600101885 C-3

HAPC3

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
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
02159	BTEX, MTBE					
02161	Benzene	71-43-2	N.D.	0.50	ug/l	1
02164	Toluene	108-88-3	N.D.	0.50	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
01595	Oxygenates by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	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	02/22/2003 01:47	Melissa D Mann	1
02159	BTEX, MTBE	SW-846 8021B	1	02/22/2003 01:47	Melissa D Mann	1
01595	Oxygenates by 8260B	SW-846 8260B	1	03/01/2003 23:21	John B Kiser	1
01146	GC VOA Water Prep	SW-846 5030B	1	02/22/2003 01:47	Melissa D Mann	n.a.

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 3998640

Collected:02/17/2003 15:55 by JH

Account Number: 10904

Submitted: 02/20/2003 11:40
Reported: 03/05/2003 at 10:09
Discard: 04/05/2003
C-3-W-030217 Grab Water

ChevronTexaco
6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Facility# 90329 Job# 386493 GRD
340 Highland Ave-Piedmont T0600101885 C-3

HAPC3

01163	GC/MS VOA Water Prep	SW-846 5030B	1	03/01/2003 23:21	John B Kiser	n.a.

Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

MEMBER ACIL

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 3998641

Collected:02/17/2003 16:25 by JH

Account Number: 10904

Submitted: 02/20/2003 11:40
Reported: 03/05/2003 at 10:09
Discard: 04/05/2003
C-4-W-030217 Grab Water

ChevronTexaco
6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Facility# 90329 Job# 386493 GRD
340 Highland Ave-Piedmont T0600101885 C-4

HAPC4

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
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
02159	BTEX, MTBE					
02161	Benzene	71-43-2	N.D.	0.50	ug/l	1
02164	Toluene	108-88-3	N.D.	0.50	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
01595	Oxygenates by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	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	02/22/2003 02:19	Melissa D Mann	1
02159	BTEX, MTBE	SW-846 8021B	1	02/22/2003 02:19	Melissa D Mann	1
01595	Oxygenates by 8260B	SW-846 8260B	1	03/01/2003 23:52	John B Kiser	1
01146	GC VOA Water Prep	SW-846 5030B	1	02/22/2003 02:19	Melissa D Mann	n.a.

MEMBER ACIL
Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 3998641

Collected:02/17/2003 16:25 by JH

Account Number: 10904

Submitted: 02/20/2003 11:40
Reported: 03/05/2003 at 10:09
Discard: 04/05/2003
C-4-W-030217 Grab Water

ChevronTexaco
6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Facility# 90329 Job# 386493 GRD
340 Highland Ave-Piedmont T0600101885 C-4

HAPC4

01163	GC/MS VOA Water Prep	SW-846 5030B	1	03/01/2003 23:52	John B Kiser	n.a.

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Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 3998642

Collected:02/17/2003 16:45 by JH

Account Number: 10904

Submitted: 02/20/2003 11:40
Reported: 03/05/2003 at 10:09
Discard: 04/05/2003
C-5-W-030217 Grab Water

ChevronTexaco
6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Facility# 90329 Job# 386493 GRD
340 Highland Ave-Piedmont T0600101885 C-5

HAPC5

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. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
02159	BTEX, MTBE					
02161	Benzene	71-43-2	N.D.	0.50	ug/l	1
02164	Toluene	108-88-3	N.D.	0.50	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
01595	Oxygenates by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	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	02/22/2003 06:07	Melissa D Mann	1
02159	BTEX, MTBE	SW-846 8021B	1	02/22/2003 06:07	Melissa D Mann	1

MEMBER ACIL
Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 3998642

Collected:02/17/2003 16:45 by JH

Account Number: 10904

Submitted: 02/20/2003 11:40
Reported: 03/05/2003 at 10:09
Discard: 04/05/2003
C-5-W-030217 Grab Water

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Facility# 90329 Job# 386493 GRD
340 Highland Ave-Piedmont T0600101885 C-5

HAPC5

01595	Oxygenates by 8260B	SW-846 8260B	1	03/02/2003 00:23	John B Kiser	1
01146	GC VOA Water Prep	SW-846 5030B	1	02/22/2003 06:07	Melissa D Mann	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	03/02/2003 00:23	John B Kiser	n.a.

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 3998643

Collected:02/17/2003 17:10 by JH

Account Number: 10904

Submitted: 02/20/2003 11:40
Reported: 03/05/2003 at 10:10
Discard: 04/05/2003
C-6-W-030217 Grab Water

ChevronTexaco
6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Facility# 90329 Job# 386493 GRD
340 Highland Ave-Piedmont T0600101885 C-6

HAPC6

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
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
02159	BTEX, MTBE					
02161	Benzene	71-43-2	N.D.	0.50	ug/l	1
02164	Toluene	108-88-3	N.D.	0.50	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
01595	Oxygenates by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	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	02/22/2003 06:40	Melissa D Mann	1
02159	BTEX, MTBE	SW-846 8021B	1	02/22/2003 06:40	Melissa D Mann	1
01595	Oxygenates by 8260B	SW-846 8260B	1	02/28/2003 21:42	John B Kiser	1
01146	GC VOA Water Prep	SW-846 5030B	1	02/22/2003 06:40	Melissa D Mann	n.a.

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 3998643

Collected:02/17/2003 17:10 by JH

Account Number: 10904

Submitted: 02/20/2003 11:40
Reported: 03/05/2003 at 10:10
Discard: 04/05/2003
C-6-W-030217 Grab Water

ChevronTexaco
6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Facility# 90329 Job# 386493 GRD
340 Highland Ave-Piedmont T0600101885 C-6

HAPC6

01163	GC/MS VOA Water Prep	SW-846 5030B	1	02/28/2003 21:42	John B Kiser	n.a.

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Lancaster, PA 17605-2425
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Quality Control Summary

Client Name: ChevronTexaco Group Number: 842054
Reported: 03/05/03 at 10:10 AM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 03052A55A	Sample number(s): 3998639-3998641							
TPH-GRO - Waters	N.D.	50.	ug/l	101	104	70-130	3	30
Benzene	N.D.	.5	ug/l	92	91	80-118	1	30
Toluene	N.D.	.5	ug/l	98	99	82-119	1	30
Ethylbenzene	N.D.	.5	ug/l	98	99	81-119	1	30
Total Xylenes	N.D.	1.5	ug/l	98	100	82-120	1	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	105	104	79-127	1	30
Batch number: 03052A55B	Sample number(s): 3998638,3998642-3998643							
TPH-GRO - Waters	N.D.	50.	ug/l	101	104	70-130	3	30
Benzene	N.D.	.5	ug/l	92	91	80-118	1	30
Toluene	N.D.	.5	ug/l	98	99	82-119	1	30
Ethylbenzene	N.D.	.5	ug/l	98	99	81-119	1	30
Total Xylenes	N.D.	1.5	ug/l	98	100	82-120	1	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	105	104	79-127	1	30
Batch number: P030591AA	Sample number(s): 3998643							
Methyl Tertiary Butyl Ether	N.D.	.5	ug/l	99		77-127		
di-Isopropyl ether	N.D.	.5	ug/l	99		74-125		
Ethyl t-butyl ether	N.D.	.5	ug/l	100		74-120		
t-Amyl methyl ether	N.D.	.5	ug/l	97		79-113		
t-Butyl alcohol	N.D.	5.	ug/l	104		53-147		
1,2-Dichloroethane	N.D.	.5	ug/l	100		77-132		
1,2-Dibromoethane	N.D.	.5	ug/l	102		81-114		
Batch number: P030601AA	Sample number(s): 3998639-3998642							
Methyl Tertiary Butyl Ether	N.D.	.5	ug/l	97		77-127		
di-Isopropyl ether	N.D.	.5	ug/l	98		74-125		
Ethyl t-butyl ether	N.D.	.5	ug/l	98		74-120		
t-Amyl methyl ether	N.D.	.5	ug/l	96		79-113		
t-Butyl alcohol	N.D.	5.	ug/l	94		53-147		
1,2-Dichloroethane	N.D.	.5	ug/l	100		77-132		
1,2-Dibromoethane	N.D.	.5	ug/l	96		81-114		

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: 03052A55A	Sample number(s): 3998639-3998641								
TPH-GRO - Waters	120		70-130						
Benzene	88		67-136						
Toluene	93		78-129						
Ethylbenzene	94		75-133						
Total Xylenes	93		86-132						
Methyl tert-Butyl Ether	94		66-136						
Batch number: 03052A55B	Sample number(s): 3998638,3998642-3998643								
TPH-GRO - Waters	120		70-130						
Benzene	88		67-136						
Toluene	93		78-129						
Ethylbenzene	94		75-133						

*- 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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Lancaster Laboratories

Quality Control Summary

Client Name: ChevronTexaco
Reported: 03/05/03 at 10:10 AM

Group Number: 842054

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
Total Xylenes	93		86-132						
Methyl tert-Butyl Ether	94		66-136						
Batch number: P030591AA	Sample number(s): 3998643								
Methyl Tertiary Butyl Ether	98	96	69-134	2	30				
di-Isopropyl ether	98	100	75-130	2	30				
Ethyl t-butyl ether	97	98	73-123	1	30				
t-Amyl methyl ether	97	94	77-117	3	30				
t-Butyl alcohol	95	98	39-155	3	30				
1,2-Dichloroethane	99	99	73-136	0	30				
1,2-Dibromoethane	95	98	78-120	3	30				
Batch number: P030601AA	Sample number(s): 3998639-3998642								
Methyl Tertiary Butyl Ether	95	96	69-134	1	30				
di-Isopropyl ether	97	101	75-130	4	30				
Ethyl t-butyl ether	98	99	73-123	1	30				
t-Amyl methyl ether	95	98	77-117	3	30				
t-Butyl alcohol	106	106	39-155	0	30				
1,2-Dichloroethane	97	101	73-136	4	30				
1,2-Dibromoethane	95	98	78-120	3	30				

Surrogate Quality Control

Analysis Name: BTEX, MTBE
Batch number: 03052A55A

	Trifluorotoluene-F	Trifluorotoluene-P
3998639	111	125
3998640	97	115
3998641	98	112
Blank	96	113
LCS	101	115
LCSD	100	112
MS	102	114
Limits:	57-146	66-136

Analysis Name: BTEX, MTBE
Batch number: 03052A55B

	Trifluorotoluene-F	Trifluorotoluene-P
3998638	99	113
3998642	105	115
3998643	96	113
Blank	98	115
LCS	101	115
LCSD	100	112
MS	102	114
Limits:	57-146	66-136

*- 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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Lancaster Laboratories

Quality Control Summary

Client Name: ChevronTexaco
Group Number: 842054
Reported: 03/05/03 at 10:10 AM

Surrogate Quality Control

Analysis Name: Oxygenates by 8260B
Batch number: P030591AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
3998643	94	92	93	91
Blank	95	96	96	95
LCS	92	92	93	90
MS	93	95	95	92
MSD	91	96	94	93
Limits:	86-118	80-120	88-110	86-115

Analysis Name: Oxygenates by 8260B
Batch number: P030601AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
3998639	91	90	95	97
3998640	90	88	96	95
3998641	91	91	97	93
3998642	90	89	96	95
Blank	90	89	97	95
LCS	90	91	96	96
MS	93	93	96	96
MSD	90	90	96	99
Limits:	86-118	80-120	88-110	86-115

*- 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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