R274

GETTLER-RYAN INC.

TRANSMITTAL

Alameda County
OCT 18 2002
Environmental Health

September 30, 2002
G-R #386433

TO: Mr. James Brownell
Delta Environmental Consultants, Inc.
3164 Gold Camp Drive, Suite 200
Rancho Cordova, California 95670

CC: Ms. Karen Streich
Chevron Products Company
P.O. Box 6004
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
#9-3322
7225 Bancroft Avenue
Oakland, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	September 17, 2002	Groundwater Monitoring and Sampling Report Third Quarter - Event of August 5, 2002

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 ***October 15, 2002***, at which time the final report will be distributed to the following:

cc: Mr. Don Hwang, Alameda County Health Care Services, Dept. of Environmental Health, 1131Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577
Mr. Greg Gurss, Gettler-Ryan Inc., 3140 Gold Camp Drive, Suite 170, Rancho Cordova, CA 95670
Mr. Amar Sidhu, 32875 Bluebird Loop, Fremont, CA 94555

Enclosures

trans/9-3322-ks

GETTLER-RYAN INC.

September 17, 2002
G-R Job #386433

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

RE: Third Quarter Event of August 5, 2002
Groundwater Monitoring & Sampling Report
Chevron Service Station #9-3322
7225 Bancroft Avenue
Oakland, 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.

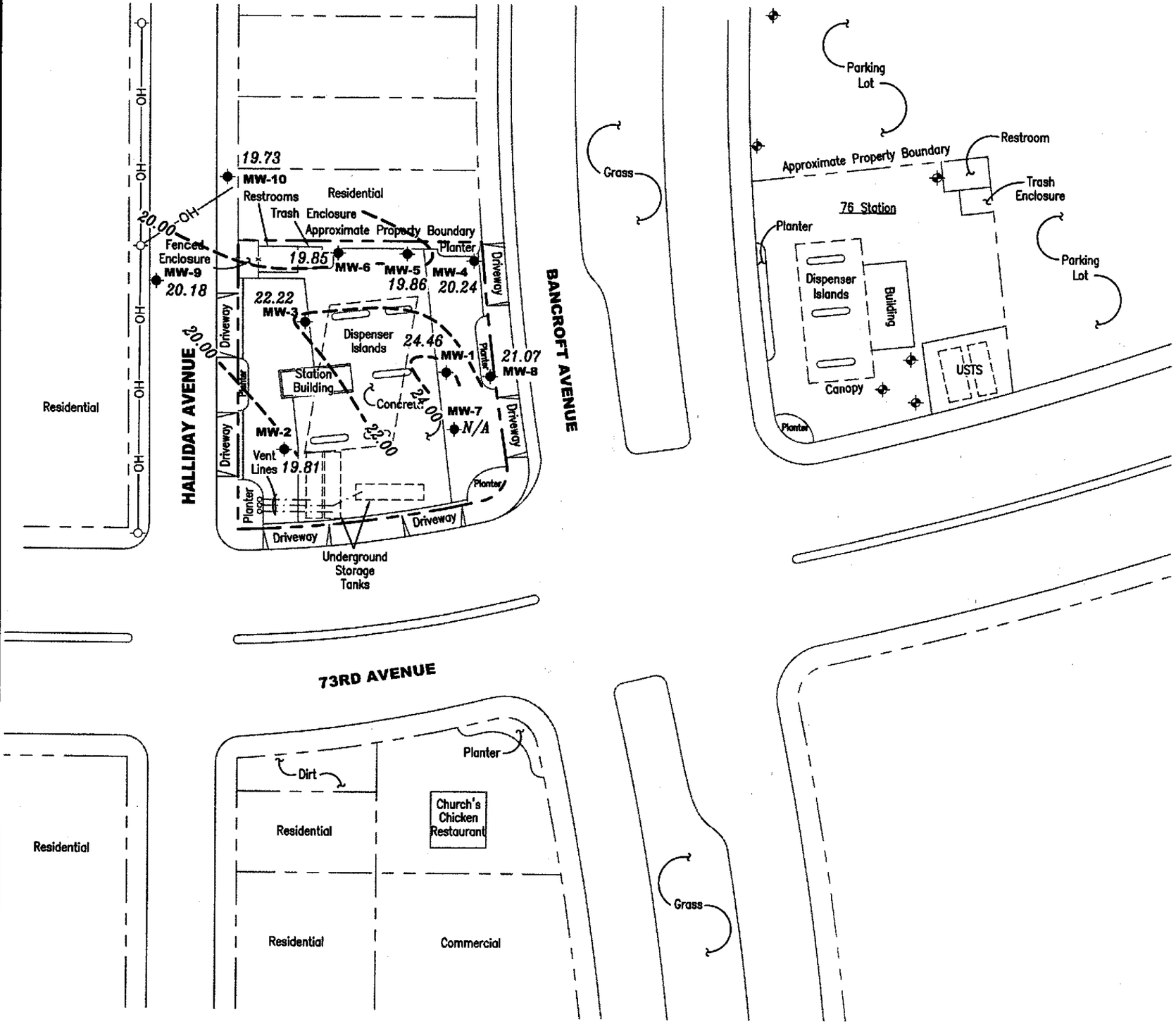
Sincerely,

Deanna L. Harding
Project Coordinator

Hagop Kevork
P.E. No. C55734

REGISTERED PROFESSIONAL ENGINEER
HAGOP KEVORK
No. C 55734
Exp. 12/31/04
CIVIL
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 (Chevron Station)
- Groundwater monitoring well (Tosco (76) Station)
- Power pole
- OH — Overhead electric
- 99.99 — Groundwater elevation in feet referenced to Mean Sea Level
- 99.99 — Groundwater elevation contour, dashed where inferred
- N/A — Not Available

Groundwater flow direction varies at a gradient of 0.05 to 0.2 Ft./Ft.

0 50

Scale in Feet

Source: Figure modified from drawings provided by RRM engineering contracting firm, Cambria and County Assessor's maps.

FIGURE 1

POTENTIOMETRIC MAP
Chevron Service Station #9-3322
7225 Bancroft Avenue
Oakland, California

DATE August 5, 2002

REVISED DATE

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

PROJECT NUMBER 386433

REVIEWED BY

FILE NAME: P:\ENVIRO\CHEVRON\9-3322\002-9-3322.DWG | Layout Tab: Pot3

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-3322
7225 Bancroft Avenue
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-1											
02/08/98	40.41	26.53	13.88	--	--	130,000	9,700	8,200	3,200	15,000	<250
06/16/98	40.41	26.18	14.23	--	--	96,000	15,000	12,000	2,600	11,000	1,300
07/29/98	40.41	22.59	17.82	--	--	370,000	19,000	14,000	5,800	15,000	<2,500
08/13/98	40.41	22.01	18.40	--	--	120,000	19,000	16,000	2,900	14,000	<1,000
11/24/98	40.41	19.61	20.80	--	--	100,000	26,000	18,000	4,000	22,000	2,000
02/03/99	40.41	22.96	17.45	--	--	110,000	27,000	16,000	3,800	22,000	<2.5
06/07/99	40.41	24.29**	16.44	0.40	0.03	--	--	--	--	--	--
09/07/99	40.41	19.97**	20.71	0.34	0.01	--	--	--	--	--	--
10/27/99	40.41	18.93**	21.75	0.34	0.03	--	--	--	--	--	--
02/08/00	40.41	22.44	17.97	0.00	0.00	147,000	19,600	13,700	4,020	21,300	<2,500
05/05/00	40.41	24.36	16.05	0.00	0.00	150,000[2]	28,000	17,000	4,400	23,000	<1,000
07/28/00	40.41	21.21	19.20	0.00	0.00	76,000[2]	20,000	15,000	3,400	23,000	1,200
11/26/00	40.41	20.44**	20.18	0.26	0.26[4]	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--
02/09/01	40.41	22.40**	18.03	0.03	0.26[4]	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--
05/11/01	40.41	25.31	15.10	0.00	0.00	89,000[2]	21,000	12,000	3,200	14,000	<500
08/30/01	40.41	20.05**	20.42	0.07	0.26[4]	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--
11/21/01	40.41	20.11**	20.52	0.27	0.00	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--
02/05/02	40.41	25.79**	14.63	0.01	0.00	130,000	16,000	13,000	4,200	23,000	<30
04/01/02	37.40	25.03	12.37	0.00	0.00	--	--	--	--	--	--
08/05/02	**37.40**	**24.46**	**12.94**	**0.00**	**0.00**	**230,000**	**12,000**	**9,000**	**5,500**	**28,000**	**280**
MW-2											
02/08/98	38.73	31.13	7.60	--	--	24,000	130	170	450	1,900	2,300
06/16/98	38.73	29.61	9.12	--	--	8,900	31	46	310	1,100	260
07/29/98	38.73	27.06	11.67	--	--	7,600	15	21	150	480	82
08/13/98	38.73	26.32	12.41	--	--	14,000	26	80	500	2,100	32
11/24/98	38.73	23.10	15.63	--	--	37,000	63	220	1,300	7,100	770
02/03/99	38.73	27.16	11.57	--	--	16,000	140	110	850	3,100	900
06/07/99	38.73	27.78	10.95	--	--	4,300	<10	<10	120	260	160
09/07/99	38.73	26.00	12.73	--	--	10,700	50.5	<25	297	1,020	<250

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-3322
7225 Bancroft Avenue
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-2 (cont)											
10/27/99	38.73	26.02	12.71	--	--	7,240	53.8	31.9	234	654	448
02/08/00	38.73	28.59	10.14	--	--	10,100	42.9	18.4	424	1,480	206
05/05/00	38.73	28.61	10.12	0.00	0.00	7,800[2]	34	22	320	1,100	170
07/28/00	38.73	26.16	12.57	0.00	0.00	6,700[2]	40	13	490	540	190
11/26/00	38.73	26.83	11.90	0.00	0.00	8,200[2]	21	9.5	400	1,100	120
02/09/01	38.73	26.53	12.20	0.00	0.00	11,200[3]	<50.0	<50.0	629	1,380	282
05/11/01	38.73	29.75	8.98	0.00	0.00	6,800[2]	39	19	370	1,100	67
08/30/01	38.73	25.83	12.90	0.00	0.00	17,000	67	<25	750	2,100	360
11/21/01	38.73	25.61	13.12	0.00	0.00	3,500	14	<5.0	100	51	610
02/05/02	38.73	30.38	8.35	0.00	0.00	10,000	5.5	<10	330	960	63
04/01/02	35.72	27.91	7.81	0.00	0.00	--	--	--	--	--	--
08/05/02	**35.72**	**19.81**	**15.91**	**0.00**	**0.00**	**8,800**	**18**	**8.2**	**220**	**630**	**220**
MW-3											
02/08/98	39.51	24.91	14.60	--	--	94,000	12,000	4,400	2,000	10,000	8,000
06/16/98	39.51	25.53	13.98	--	--	38,000	5,600	1,400	1,200	4,700	6,300/4,600[1]
07/29/98	39.51	22.14	17.37	--	--	58,000	4,100	700	1,300	4,200	4,100
08/13/98	39.51	21.29	18.22	--	--	43,000	6,800	1,900	1,600	6,800	2,300
11/24/98	39.51	19.06	20.45	--	--	40,000	5,000	800	1,600	6,800	6,000/4,400[1]
02/03/99	39.51	22.03	17.48	--	--	47,000	7,100	1,600	1,900	9,000	5,000
06/07/99	39.51	23.76	15.75	--	--	27,000	2,500	540	1,200	3,900	2,800
09/07/99	39.51	19.80	19.71	--	--	44,000	3,930	1,170	1,760	7,130	3,440
10/27/99	39.51	19.09	20.42	--	--	28,200	2,030	620	1,260	5,080	1,710
02/08/00	39.51	21.76	17.75	--	--	25,300	2,000	668	1,210	5,330	1,760
05/05/00	39.51	23.87	15.64	0.00	0.00	27,000[2]	2,600	960	1,500	5,200	2,500
07/28/00	39.51	21.28	18.23	0.00	0.00	7,400[2]	950	360	840	3,200	1,700
11/26/00	39.51	20.13	19.38	0.00	0.00	20,000[2]	1,800	690	1,400	5,500	1,600
02/09/01	39.51	21.79	17.72	0.00	0.00	31,200[3]	1,980	<50.0	1,770	7,220	2,170
05/11/01	39.51	24.86	14.65	0.00	0.00	18,000[2]	3,000	780	1,600	5,500	1,800
08/30/01	39.51	20.16	19.35	0.00	0.00	9,400	570	180	610	1,900	880

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Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-3322
7225 Bancroft Avenue
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-3 (cont)											
11/21/01	39.51	19.47	20.04	0.00	0.00	29,000	1,100	450	1,500	6,100	1,200
02/05/02	39.51	25.42	14.09	0.00	0.00	16,000	820	210	830	2,400	1,100
04/01/02	36.53	24.32	12.21	0.00	0.00	--	--	--	--	--	--
08/05/02	**36.53**	**22.22**	**14.31**	**0.00**	**0.00**	**11,000**	**310**	**92**	**380**	**820**	**830**
MW-4											
02/02/99	40.24	27.07	13.17	--	--	<50	0.52	<0.5	<0.5	<0.5	6.0
06/07/99	40.24	23.83	16.41	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/07/99	40.24	19.34	20.90	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
10/27/99	40.24	18.65	21.59	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
02/08/00	40.24	23.08	17.16	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
05/05/00	40.24	24.22	16.02	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5
07/28/00	40.24	21.12	19.12	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5
11/26/00	40.24	20.32	19.92	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5
02/09/01	40.24	22.79	17.45	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
05/11/01	40.24	25.22	15.02	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5
08/30/01	40.24	19.91	20.33	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5
11/21/01	40.24	20.49	19.75	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5
02/05/02	40.24	26.18	14.06	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5
04/01/02	37.29	25.23	12.06	0.00	0.00	--	--	--	--	--	--
08/05/02	**37.29**	**20.24**	**17.05**	**0.00**	**0.00**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.5**	**<2.5**
MW-5											
02/02/99	40.37	21.57	18.80	--	--	72	2.7	<0.5	<0.5	<0.5	11
06/07/99	40.37	23.39	16.98	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/07/99	40.37	19.24	21.13	--	--	<50	<0.5	<0.5	<0.5	<0.5	6.92
10/27/99	40.37	18.45	21.92	--	--	<50	2.39	<0.5	<0.5	<0.5	21.3
02/08/00	40.37	21.39	18.98	--	--	<50	10.6	<0.5	<0.5	<0.5	21.7
05/05/00	40.37	23.48	16.89	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	3.8

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-3322
7225 Bancroft Avenue
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-5 (cont)											
07/28/00	40.37	20.88	19.49	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5
11/26/00	40.37	19.68	20.69	0.00	0.00	<50	0.57	<0.50	<0.50	<0.50	15
02/09/01	40.37	21.50	18.87	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	9.11
05/11/01	40.37	24.47	15.90	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5
08/30/01	40.37	19.76	20.61	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	9.5
11/21/01	40.37	19.33	21.04	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	7.3
02/05/02	40.37	25.16	15.21	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5
04/01/02	37.40	23.95	13.45	0.00	0.00	--	--	--	--	--	--
08/05/02	**37.40**	**19.86**	**17.54**	**0.00**	**0.00**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.5**	**2.7**
MW-6											
02/02/99	39.84	21.36	18.48	--	--	14,000	5,600	<50	150	160	<250
06/07/99	39.84	23.39	16.45	--	--	1,500	1,100	33	25	34	200
09/07/99	39.84	19.35	20.49	--	--	6,550	2,940	81.5	177	84	865
10/27/99	39.84	18.61	21.23	--	--	3,680	1,240	29.6	115	14.9	735
02/08/00	39.84	21.44	18.40	--	--	17,300	8,920	<100	378	211	2,610
05/05/00	39.84	23.48	16.36	0.00	0.00	4,200[2]	1,900	98	170	290	1,300
07/28/00	39.84	20.90	18.94	0.00	0.00	1,200[2]	660	30	83	36	650
11/26/00	39.84	19.71	20.13	0.00	0.00	7,600[2]	4,300	63	360	110	2,000
02/09/01	39.84	21.44	18.40	0.00	0.00	18,200[3]	7,090	<100	457	169	2,930
05/11/01	39.84	24.39	15.45	0.00	0.00	2,600[2]	2,300	31	88	40	990
08/30/01	39.84	19.82	20.02	0.00	0.00	2,500	1,600	50	160	100	1,900
11/21/01	39.84	19.22	20.62	0.00	0.00	25,000	8,800	150	620	330	2,900
02/05/02	39.84	24.04	15.80	0.00	0.00	1,400	400	6.8	27	20	480
04/01/02	36.90	23.08	13.82	0.00	0.00	--	--	--	--	--	--
08/05/02	**36.90**	**19.85**	**17.05**	**0.00**	**0.00**	**1,200**	**300**	**5.1**	**11**	**3.7**	**250**

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-3322
7225 Bancroft Avenue
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-8											
04/01/02[6]	37.21	26.11	11.10	0.00	0.00	1,200	8.6	<0.50	2.5	2.5	<2.5/<2[5]
08/05/02	**37.21**	**21.07**	**16.14**	**0.00**	**0.00**	**560**	**11**	**<0.50**	**<0.50**	**<1.5**	**<2.5/<2[5]**
MW-9											
04/01/02[6]	35.03	24.41	10.62	0.00	0.00	94	1.5	<0.50	<0.50	<1.5	25/19[5]
08/05/02	**35.03**	**20.18**	**14.85**	**0.00**	**0.00**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.5**	**18/15[5]**
MW-10											
04/01/02[6]	35.53	23.81	11.72	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	6.1/5[5]
08/05/02	**35.53**	**19.73**	**15.80**	**0.00**	**0.00**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.5**	**5.1/5[5]**
TRIP BLANK											
02/08/98	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/16/98	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
07/29/98	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
08/13/98	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
11/24/98	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
02/02/99	--	--	--	--	--	<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
06/07/99	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/07/99	--	--	--	--	--	<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
02/08/00	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
05/05/00	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
07/28/00	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
11/26/00	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-3322
7225 Bancroft Avenue
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
TRIP BLANK (cont)											
02/09/01	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
05/11/01	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
08/30/01	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
QA											
11/21/01	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
02/05/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
04/01/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
08/05/02	**--**	**--**	**--**	**--**	**--**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.5**	**<2.5**

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-3322
7225 Bancroft Avenue
Oakland, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to May 5, 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
SPH = Separate Phase Hydrocarbons

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

* TOC elevations were surveyed in April 2002, by Morrow Surveying. Elevations are based on City of Oakland Benchmark designated 3787 in field book 1595, page 50; cut square northerly curb on Krause Ave., approx. 37 feet westerly of PL westerly of 73rd Ave., (Elevation = 33.82 feet).

** GWE corrected for the presence of free product; correction factor: [(TOC - DTW) + (SPHT x 0.8)].

1 Confirmation run.

2 Laboratory report indicates gasoline C6-C12.

3 Laboratory report indicates weathered gasoline C6-C12.

4 Product and water removed.

5 MTBE by EPA Method 8260.

6 Well development performed.

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Chevron Service Station #9-3322
7225 Bancroft Avenue
Oakland, California

WELL ID	DATE	TBA *(ppb)*	MTBE *(ppb)*	DIPE *(ppb)*	ETBE *(ppb)*	TAME *(ppb)*
MW-8	04/01/02	<100	<2	<2	<2	<2
	08/05/02	**<100**	**<2**	**<2**	**<2**	**<2**
MW-9	04/01/02	<100	19	<2	<2	<2
	08/05/02	**<100**	**15**	**<2**	**<2**	**<2**
MW-10	04/01/02	<100	5	<2	<2	<2
	08/05/02	**<100**	**5**	**<2**	**<2**	**<2**

EXPLANATIONS:

TBA = Tertiary butyl alcohol
MTBE = Methyl tertiary butyl ether
DIPE = Di-isopropyl ether
ETBE = Ethyl tertiary butyl ether
TAME = Tertiary amyl methyl ether
(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, static water level measurements are collected with the interface probe and are also recorded in the field notes.

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

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

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

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

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-3322 Job Number: 386433
Site Address: 7225 Bancroft Avenue Event Date: 05/05/02
City: Oakland, CA Sampler: DM

Well ID: MW-1 Well Condition: O.K.
Well Diameter: 2 in. Hydrocarbon Thickness: 0 ft. Amount Bailed (product/water): 0 gal.
Total Depth: 33.78 ft.
Depth to Water: 12.94 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

20.84 xVF .17 = 3.54 x3 (case volume) = Estimated Purge Volume: 10.5 gal.

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

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

Start Time (purge): 1254 Weather Conditions: Sunny
Sample Time/Date: 1319 / 05/05/02 Water Color: Cloudy Odor: Yes
Purging Flow Rate: — gpm. Sediment Description: —
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)
1303	3	7.01	1057	21.6		
1306	6	6.94	1068	21.2		
1310	10.5	6.91	1091	21.0		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-1	3x voa vial	YES	HCL	LANCASTER	TPH-G (8015)/ BTEX/MTBE (8021) -OR-
~~MW-~~	~~x voa vial~~	~~YES~~	~~HCL~~	~~LANCASTER~~	~~TPH-G (8015)/ BTEX & 5 Oxy's by 8260~~

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-3322 Job Number: 386433
Site Address: 7225 Bancroft Avenue Event Date: 04/05/02
City: Oakland, CA Sampler: DM.

Well ID MW- 2 Well Condition: OK.
Well Diameter 2 in. Hydrocarbon Thickness: — ft. Amount Bailed (product/water): — gal.
Total Depth 29.78 ft.
Depth to Water 15.91 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

13.87 xVF .17 = 2.35 x3 (case volume) = Estimated Purge Volume: 7 gal.

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

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

Start Time (purge): 1152 Weather Conditions: Sunny
Sample Time/Date: 1209 / 04/5/02 Water Color: clear Odor: yes
Purging Flow Rate: — gpm. Sediment Description: NS
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)
1155	2	7.36	499	21.8		
1157	4	7.30	493	21.4		
1200	7	7.19	471	21.1		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- 2	3 x voa vial	YES	HCL	LANCASTER	TPH-G (8015)/ BTEX/MTBE (8021) -OR-
~~MW~~	~~x voa vial~~	~~YES~~	~~HCL~~	~~LANCASTER~~	~~TPH-G (8015)/ BTEX & 5 Oxy's by 8260~~

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-3322 Job Number: 386433
Site Address: 7225 Bancroft Avenue Event Date: 02/05/02
City: Oakland, CA Sampler: DM.

Well ID MW- 3 Well Condition: O.K
Well Diameter 2 in. Hydrocarbon Thickness: 0 ft. Amount Bailed (product/water): 0 gal.
Total Depth 32.81 ft.
Depth to Water 14.31 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

18.50 xVF .17 = 3.14 x3 (case volume) = Estimated Purge Volume: 9.5 gal.

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

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

Start Time (purge): 1224 Weather Conditions: Sunny
Sample Time/Date: 1245 / 02/05/02 Water Color: Cloudy (grey) Odor: yes
Purging Flow Rate: — gpm. Sediment Description:
Did well de-water? N/o If yes, Time: — Volume: — gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
1226	3	6.97	950	22.4		
1231	6	6.84	941	22.0		
1234	9.5	6.71	932	21.6		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- 3	3 x voa vial	YES	HCL	LANCASTER	TPH-G (8015)/ BTEX/MTBE (8021) -OR-
~~MW-~~	~~x voa vial~~	~~YES~~	~~HCL~~	~~LANCASTER~~	~~TPH-G (8015)/ BTEX & 5 Oxy's by 8260~~

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-3322 Job Number: 386433
Site Address: 7225 Bancroft Avenue Event Date: 08/05/02
City: Oakland, CA Sampler: DM.

Well ID MW- 4 Well Condition: Ok.
Well Diameter 2 in. Hydrocarbon Thickness: -0- ft. Amount Bailed (product/water): -0- gal.
Total Depth 30.18 ft.
Depth to Water 17.05 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

13.13 xVF .17 = 2.23 x3 (case volume) = Estimated Purge Volume: 7 gal.

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

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

Start Time (purge): 1004 Weather Conditions: Sunny
Sample Time/Date: 1022 / 08/05/02 Water Color: cloudy (gray) Odor: No
Purging Flow Rate: — gpm. Sediment Description: light silty
Did well de-water? No If yes, Time: — Volume: — gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
1007	2	7.67	462	19.1		
1009	4	7.51	481	18.9		
1011	7	7.42	463	18.6		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- 4	3 x voa vial	YES	HCL	LANCASTER	TPH-G (8015)/ BTEX/MTBE (8021) -OR-
~~MW-~~	~~x voa vial~~	~~YES~~	~~HCL~~	~~LANCASTER~~	~~TPH-G (8015)/ BTEX & 5 Oxy's by 8260~~

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-3322 Job Number: 386433
Site Address: 7225 Bancroft Avenue Event Date: 08/05/02
City: Oakland, CA Sampler: DM.

Well ID MW-5 Well Condition: O.K.
Well Diameter 2 in. Hydrocarbon Thickness: ~~0~~ ft. Amount Bailed (product/water): ~~0~~ gal.
Total Depth 31.41 ft.
Depth to Water 19.54 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

13.87 xVF .17 = 2.35 x3 (case volume) = Estimated Purge Volume: 7 gal.

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

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

Start Time (purge): 0938 Weather Conditions: Sunny
Sample Time/Date: 0956 / 08/05/02 Water Color: Cloudy (Brown) Odor: NO
Purging Flow Rate: — gpm. Sediment Description: Silty (light)
Did well de-water? NO If yes, Time: — Volume: — gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
0942	2	7.71	660	18.4		
0945	5	7.58	649	18.1		
0947	7	7.50	632	17.8		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-5	3 x voa vial	YES	HCL	LANCASTER	TPH-G (8015)/ BTEX/MTBE (8021) -OR-
~~MW-~~	~~x voa vial~~	~~YES~~	~~HCL~~	~~LANCASTER~~	~~TPH-G (8015)/ BTEX & 5 Oxy's by 8260~~

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-3322 Job Number: 386433
Site Address: 7225 Bancroft Avenue Event Date: 08/05/02
City: Oakland, CA Sampler: DM.

Well ID MW-6 Well Condition: O.K.
Well Diameter 2 in. Hydrocarbon Thickness: -0- ft. Amount Bailed (product/water): -0- gal.
Total Depth 31.25 ft.
Depth to Water 17.05 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

14.20 xVF .17 = 2.41 x3 (case volume) = Estimated Purge Volume: 7 gal.

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

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

Start Time (purge): 1031 Weather Conditions: Sunny
Sample Time/Date: 1047 / 08/05/02 Water Color: cloudy Odor: yes
Purging Flow Rate: — gpm. Sediment Description: —
Did well de-water? No. If yes, Time: — Volume: — gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
1034	2	7.02	1196	18.4		
1036	4	6.94	1194	14.1		
1039	6	6.49	1196	19.9		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-6	3 x voa vial	YES	HCL	LANCASTER	TPH-G (8015)/ BTEX/MTBE (8021) -OR-
~~MW-~~	~~x voa vial~~	~~YES~~	~~HCL~~	~~LANCASTER~~	~~TPH-G (8015)/ BTEX & 5 Oxy's by 8260~~

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-3322 Job Number: 386433
Site Address: 7225 Bancroft Avenue Event Date: 05/05/02
City: Oakland, CA Sampler: DM

Well ID: MW- 8 Well Condition: O.K.
Well Diameter: 2 in. Hydrocarbon Thickness: 0 ft. Amount Bailed (product/water): 0 gal.
Total Depth: 29.82 ft.
Depth to Water: 16.14 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

13.68 xVF .17 = 2.32 x3 (case volume) = Estimated Purge Volume: 7 gal.

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

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

Start Time (purge): 0909 Weather Conditions: Sunny
Sample Time/Date: 0927 / 05/05/02 Water Color: cloudy (grey) Odor: slight
Purging Flow Rate: — gpm. Sediment Description: —
Did well de-water? No If yes, Time: — Volume: Sifty gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
0913	2	7.88	700	21.2		
0916	4	7.54	699	21.0		
0920	7	7.41	669	20.9		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
~~MW- 4~~	~~x voa vial~~	~~YES~~	~~HCL~~	~~LANCASTER~~	~~TPH-G (8015)/ BTEX/MTBE (8021) OR~~
MW- 8	6 x voa vial	YES	HCL	LANCASTER	TPH-G (8015)/ BTEX & 5 Oxy's by 8260 + MTBE

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-3322 Job Number: 386433
Site Address: 7225 Bancroft Avenue Event Date: 08/05/02
City: Oakland, CA Sampler: DM

Well ID MW- 9 Well Condition: O.K.
Well Diameter 2 in. Hydrocarbon Thickness: 0 ft. Amount Bailed (product/water): 0 gal.
Total Depth 24.81 ft.
Depth to Water 14.85 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

14.96 xVF .17 = 2.54 x3 (case volume) = Estimated Purge Volume: 7.5 gal.

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

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

Start Time (purge): 1100 Weather Conditions: Sunny
Sample Time/Date: 1118 08/05/02 Water Color: Cloudy (Brown) Odor: No
Purging Flow Rate: — gpm. Sediment Description: very silty
Did well de-water? No If yes, Time: — Volume: — gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
1103	2.5	7.54	628	21.4		
1107	5	7.50	624	21.1		
1110	7.5	7.45	631	20.8		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
~~MW-~~	~~x voa vial~~	~~YES~~	~~HCL~~	LANCASTER	~~TPH-G (8015)/ BTEX/MTBE (8021) -OR-~~
MW- 9	6 x voa vial	YES	HCL	LANCASTER	TPH-G (8015)/ BTEX & 5 Oxy's by 8260 + MTBE

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-3322 Job Number: 386433
Site Address: 7225 Bancroft Avenue Event Date: 08/05/02
City: Oakland, CA Sampler: DM

Well ID MW-10 Well Condition: OK
Well Diameter 2 in. Hydrocarbon Thickness: ~~0~~ ft. Amount Bailed (product/water): ~~0~~ gal.
Total Depth 29.82 ft.
Depth to Water 15.80 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

14.02 xVF .17 = 2.38 x3 (case volume) = Estimated Purge Volume: 7 gal.

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

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

Start Time (purge): 1129 Weather Conditions: Sunny
Sample Time/Date: 1145 08/05/02 Water Color: Cloudy/Brown Odor: No
Purging Flow Rate: — gpm. Sediment Description: very silty
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)
1131	2	~~8.31~~	869	21.8		
1133	4	7.14	880	21.6		
1137	8	7.11	862	21.3		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
~~MW-10~~	~~x voa vial~~	~~YES~~	~~HCL~~	~~LANCASTER~~	~~TPH-G (8015)/ BTEX/MTBE (8021) -OR-~~
MW-10	6 x voa vial	YES	HCL	LANCASTER	TPH-G (8015)/ BTEX & 5 Oxy's by 8260 +TMTBE

COMMENTS:

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

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

050702-001

For Lancaster Laboratories use only
Acct. #: 10905 Sample #: 387500Z-11 SCR#:

Or # 818161

Facility #: 9-3322 Job #386433 Globel ID#T0600102079
Site Address: 7225 BANCROFT AVE., OAKLAND, CA
Chevron PM: Karen Streich Lead Consultant: Delta/G-R
Consultant/Office: G-R, Inc., 6747 Sierra Court, Dublin, Ca 94568
Consultant Prj. Mgr.: Deanna L. Harding (Deanna@grinc.com)
Consultant Phone #: 925-551-7555 Fax #: 925-551-7899
Sampler: David Moreno
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	Matrix: Water (☐ Potable ☐ NPDES)	Matrix: 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 ☐	Sat's by 8260
									H	H					H
QA	08/05/02					X		2	X	X					
mw-1		1319	X			X		3	X	X					
mw-2		1209	X			X		3	X	X					
mw-3		1245	X			X		3	X	X					
mw-4		1022	X			X		3	X	X					
mw-5		0956	X			X		3	X	X					
mw-6		1047	X			X		3	X	X					
mw-8		0909	X			X		6	X	X					X
mw-9		1113	X			X		6	X	X					X
mw-10		1145	X			X		6	X	X					X

Comments / Remarks

Bottles are labeled incorrectly for mw-8, 9 & 10 use CofC DW 8/9/02

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	Received by:	Date	Time
Relinquished by:	8/5/02	1345		8/7/02	1500
Relinquished by:	8/8/02	1500		8/7/02	1500
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by Commercial Carrier: UPS FedEx Other			Received by:	8/8/02	0925
Temperature Upon Receipt ____ C°			Custody Seals Intact? Yes No		

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.

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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 818161. Samples arrived at the laboratory on Thursday, August 08, 2002. The PO# for this group is 99011184 and the release number is STREICH.

Client Description			Lancaster Labs Number
QA-T-020805	NA	Water	3875002
MW-1-W-020805	Grab	Water	3875003
MW-2-W-020805	Grab	Water	3875004
MW-3-W-020805	Grab	Water	3875005
MW-4-W-020805	Grab	Water	3875006
MW-5-W-020805	Grab	Water	3875007
MW-6-W-020805	Grab	Water	3875008
MW-8-W-020805	Grab	Water	3875009
MW-9-W-020805	Grab	Water	3875010
MW-10-W-020805	Grab	Water	3875011

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

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

Respectfully Submitted,

Robert E. Mellinger
Sr. Chemist/Coordinator

MEMBER ACIL
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PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

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Lancaster Laboratories Sample No. WW 3875002

Collected:08/05/2002 00:00

Account Number: 10905

Submitted: 08/08/2002 09:25
Reported: 08/20/2002 at 17:52
Discard: 09/20/2002

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

QA-T-020805 NA Water
Facility# 93322 Job# 386433 GRD
7225 BANCROFT AVE-OAKLAND T0600102079 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.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	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
	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.					

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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	08/08/2002 22:25	Patrick N Evans	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	08/08/2002 22:25	Patrick N Evans	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/08/2002 22:25	Patrick N Evans	n.a.

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

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Lancaster Laboratories Sample No. WW 3875003

Collected:08/05/2002 13:19 by DM

Account Number: 10905

Submitted: 08/08/2002 09:25
Reported: 08/20/2002 at 17:52
Discard: 09/20/2002

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MW-1-W-020805 Grab Water
Facility# 93322 Job# 386433 GRD
7225 BANCROFT AVE-OAKLAND T0600102079 MW-1

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.	230,000.	5,000.	ug/l	100
	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.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	12,000.	20.	ug/l	100
00777	Toluene	108-88-3	9,000.	20.	ug/l	100
00778	Ethylbenzene	100-41-4	5,500.	20.	ug/l	100
00779	Total Xylenes	1330-20-7	28,000.	60.	ug/l	100
00780	Methyl tert-Butyl Ether	1634-04-4	280.	30.	ug/l	100
	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	Analysis Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	08/09/2002 04:44	Patrick N Evans	100
08214	BTEX, MTBE (8021)	SW-846 8021B	1	08/09/2002 04:44	Patrick N Evans	100
01146	GC VOA Water Prep	SW-846 5030B	1	08/09/2002 04:44	Patrick N Evans	n.a.

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

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Lancaster Laboratories Sample No. WW 3875004

Collected:08/05/2002 12:09 by DM

Account Number: 10905

Submitted: 08/08/2002 09:25
Reported: 08/20/2002 at 17:52
Discard: 09/20/2002

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MW-2-W-020805 Grab Water
Facility# 93322 Job# 386433 GRD
7225 BANCROFT AVE-OAKLAND T0600102079 MW-2

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.	8,800.	250.	ug/l	5
	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.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	18.	1.0	ug/l	5
00777	Toluene	108-88-3	8.2	1.0	ug/l	5
00778	Ethylbenzene	100-41-4	220.	1.0	ug/l	5
00779	Total Xylenes	1330-20-7	630.	3.0	ug/l	5
00780	Methyl tert-Butyl Ether	1634-04-4	220.	2.5	ug/l	5
	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	Analysis Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	08/09/2002 05:18	Patrick N Evans	5
08214	BTEX, MTBE (8021)	SW-846 8021B	1	08/09/2002 05:18	Patrick N Evans	5
01146	GC VOA Water Prep	SW-846 5030B	1	08/09/2002 05:18	Patrick N Evans	n.a.

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

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Lancaster Laboratories Sample No. WW 3875005

Collected:08/05/2002 12:45 by DM

Account Number: 10905

Submitted: 08/08/2002 09:25
Reported: 08/20/2002 at 17:52
Discard: 09/20/2002

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MW-3-W-020805 Grab Water
Facility# 93322 Job# 386433 GRD
7225 BANCROFT AVE-OAKLAND T0600102079 MW-3

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.	11,000.	250.	ug/l	5
	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.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	310.	1.0	ug/l	5
00777	Toluene	108-88-3	92.	1.0	ug/l	5
00778	Ethylbenzene	100-41-4	380.	1.0	ug/l	5
00779	Total Xylenes	1330-20-7	820.	3.0	ug/l	5
00780	Methyl tert-Butyl Ether	1634-04-4	830.	2.5	ug/l	5
	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.					

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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	08/09/2002 05:52	Patrick N Evans	5
08214	BTEX, MTBE (8021)	SW-846 8021B	1	08/09/2002 05:52	Patrick N Evans	5
01146	GC VOA Water Prep	SW-846 5030B	1	08/09/2002 05:52	Patrick N Evans	n.a.

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

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Lancaster Laboratories Sample No. WW 3875006

Collected:08/05/2002 10:22 by DM

Account Number: 10905

Submitted: 08/08/2002 09:25
Reported: 08/20/2002 at 17:52
Discard: 09/20/2002

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MW-4-W-020805 Grab Water
Facility# 93322 Job# 386433 GRD
7225 BANCROFT AVE-OAKLAND T0600102079 MW-4

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.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	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
	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.					

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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	08/09/2002 07:01	Patrick N Evans	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	08/09/2002 07:01	Patrick N Evans	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/09/2002 07:01	Patrick N Evans	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 3875007

Collected:08/05/2002 09:56 by DM

Account Number: 10905

Submitted: 08/08/2002 09:25
Reported: 08/20/2002 at 17:52
Discard: 09/20/2002
MW-5-W-020805 Grab Water
Facility# 93322 Job# 386433 GRD
7225 BANCROFT AVE-OAKLAND T0600102079 MW-5

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

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.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	2.7	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.					

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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	08/09/2002 07:36	Patrick N Evans	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	08/09/2002 07:36	Patrick N Evans	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/09/2002 07:36	Patrick N Evans	n.a.

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

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Lancaster Laboratories Sample No. WW 3875008

Collected:08/05/2002 10:47 by DM

Account Number: 10905

Submitted: 08/08/2002 09:25
Reported: 08/20/2002 at 17:52
Discard: 09/20/2002

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MW-6-W-020805 Grab Water
Facility# 93322 Job# 386433 GRD
7225 BANCROFT AVE-OAKLAND T0600102079 MW-6

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.	1,200.	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.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	300.	0.50	ug/l	1
00777	Toluene	108-88-3	5.1	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	11.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	3.7	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	250.	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.					

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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	08/09/2002 06:27	Patrick N Evans	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	08/09/2002 06:27	Patrick N Evans	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/09/2002 06:27	Patrick N Evans	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

Lancaster Laboratories
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Lancaster Laboratories Sample No. WW 3875009

Collected:08/05/2002 09:09 by DM

Account Number: 10905

Submitted: 08/08/2002 09:25
Reported: 08/20/2002 at 17:53
Discard: 09/20/2002

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MW-8-W-020805 Grab Water
Facility# 93322 Job# 386433 GRD
7225 BANCROFT AVE-OAKLAND T0600102079 MW-8

M8BAN

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.	560.	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.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	11.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	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
	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 t-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
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	08/09/2002 08:10	Patrick N Evans	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	08/09/2002 08:10	Patrick N Evans	1
01595	Oxygenates by 8260B	SW-846 8260B	1	08/08/2002 22:11	Nicole S Lamoreaux	1

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

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Lancaster Laboratories Sample No. WW 3875009

Collected:08/05/2002 09:09 by DM

Account Number: 10905

Submitted: 08/08/2002 09:25
Reported: 08/20/2002 at 17:53
Discard: 09/20/2002

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MW-8-W-020805 Grab Water
Facility# 93322 Job# 386433 GRD
7225 BANCROFT AVE-OAKLAND T0600102079 MW-8

M8BAN

01146	GC VOA Water Prep	SW-846 5030B	1	08/09/2002 08:10	Patrick N Evans	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/08/2002 22:11	Nicole S Lamoreaux	n.a.

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

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Lancaster Laboratories Sample No. WW 3875010

Collected:08/05/2002 11:18 by DM

Account Number: 10905

Submitted: 08/08/2002 09:25
Reported: 08/20/2002 at 17:53
Discard: 09/20/2002

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MW-9-W-020805 Grab Water
Facility# 93322 Job# 386433 GRD
7225 BANCROFT AVE-OAKLAND T0600102079 MW-9

M9BAN

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.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	18.	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 t-butyl ether	1634-04-4	15.	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
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	08/09/2002 08:45	Patrick N Evans	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	08/09/2002 08:45	Patrick N Evans	1
01595	Oxygenates by 8260B	SW-846 8260B	1	08/09/2002 15:22	Roy R Mellott Jr	1

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

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Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3875010

Collected:08/05/2002 11:18 by DM

Account Number: 10905

Submitted: 08/08/2002 09:25
Reported: 08/20/2002 at 17:53
Discard: 09/20/2002

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MW-9-W-020805 Grab Water
Facility# 93322 Job# 386433 GRD
7225 BANCROFT AVE-OAKLAND T0600102079 MW-9

M9BAN

01146	GC VOA Water Prep	SW-846 5030B	1	08/09/2002 08:45	Patrick N Evans	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/09/2002 15:22	Roy R Mellott Jr	n.a.

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

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Lancaster Laboratories Sample No. WW 3875011

Collected:08/05/2002 11:45 by DM

Account Number: 10905

Submitted: 08/08/2002 09:25
Reported: 08/20/2002 at 17:53
Discard: 09/20/2002

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MW-10-W-020805 Grab Water
Facility# 93322 Job# 386433 GRD
7225 BANCROFT AVE-OAKLAND T0600102079 MW-10

10BAN

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.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	5.1	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 t-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

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	08/09/2002 09:19	Patrick N Evans	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	08/09/2002 09:19	Patrick N Evans	1
01595	Oxygenates by 8260B	SW-846 8260B	1	08/09/2002 17:11	Roy R Mellott Jr	1

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

Lancaster Laboratories
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Lancaster Laboratories Sample No. WW 3875011

Collected:08/05/2002 11:45 by DM

Account Number: 10905

Submitted: 08/08/2002 09:25
Reported: 08/20/2002 at 17:53
Discard: 09/20/2002

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MW-10-W-020805 Grab Water
Facility# 93322 Job# 386433 GRD
7225 BANCROFT AVE-OAKLAND T0600102079 MW-10

10BAN

01146	GC VOA Water Prep	SW-846 5030B	1	08/09/2002 09:19	Patrick N Evans	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/09/2002 17:11	Roy R Mellott Jr	n.a.

#=Laboratory Method Detection Limit exceeded target detection limit
N.D.=Not detected above the Reporting Limit

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Quality Control Summary

Client Name: ChevronTexaco
Reported: 08/20/02 at 05:53 PM

Group Number: 818161

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 02220A53A	Sample number(s): 3875002-3875011							
Benzene	N.D.	.2	ug/l	102	99	80-118	3	30
Toluene	N.D.	.2	ug/l	105	102	82-119	4	30
Ethylbenzene	N.D.	.2	ug/l	105	102	81-119	2	30
Total Xylenes	N.D.	.6	ug/l	106	104	82-120	2	30
Methyl tert-Butyl Ether	N.D.	.3	ug/l	104	101	79-127	3	30
TPH-GRO - Waters	N.D.	50.	ug/l	109	107	74-116	2	30
Batch number: V022202AA	Sample number(s): 3875009							
Methyl t-butyl ether	N.D.	.5	ug/l	109		77-127		
di-Isopropyl ether	N.D.	.5	ug/l	110		74-125		
Ethyl t-butyl ether	N.D.	.5	ug/l	108		74-120		
t-Amyl methyl ether	N.D.	.5	ug/l	107		71-114		
t-Butyl alcohol	N.D.	5.	ug/l	82		59-139		
Batch number: V022211AA	Sample number(s): 3875010-3875011							
Methyl t-butyl ether	N.D.	.5	ug/l	107		77-127		
di-Isopropyl ether	N.D.	.5	ug/l	110		74-125		
Ethyl t-butyl ether	N.D.	.5	ug/l	108		74-120		
t-Amyl methyl ether	N.D.	.5	ug/l	107		71-114		
t-Butyl alcohol	N.D.	5.	ug/l	72		59-139		

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: 02220A53A	Sample number(s): 3875002-3875011								
Benzene	91		83-130						
Toluene	94		87-129						
Ethylbenzene	101		86-133						
Total Xylenes	102		86-132						
Methyl tert-Butyl Ether	96		66-140						
TPH-GRO - Waters	117		74-132						
Batch number: V022202AA	Sample number(s): 3875009								
Methyl t-butyl ether	108	112	69-134	4	30				
di-Isopropyl ether	114	117	68-133	3	30				
Ethyl t-butyl ether	110	115	73-123	5	30				
t-Amyl methyl ether	111	114	69-118	3	30				
t-Butyl alcohol	47*	46*	51-148	1	30				
Batch number: V022211AA	Sample number(s): 3875010-3875011								
Methyl t-butyl ether	109	109	69-134	0	30				
di-Isopropyl ether	116	115	68-133	0	30				
Ethyl t-butyl ether	113	112	73-123	1	30				
t-Amyl methyl ether	110	112	69-118	2	30				
t-Butyl alcohol	49*	46*	51-148	4	30				

Surrogate Quality Control

Analysis Name: TPH-GRO - Waters
Batch number: 02220A53A

*- 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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Quality Control Summary

Client Name: ChevronTexaco
Group Number: 818161
Reported: 08/20/02 at 05:53 PM

Surrogate Quality Control

	Trifluorotoluene-F	Trifluorotoluene-P
3875002	87	90
3875003	89	92
3875004	83	82
3875005	87	91
3875006	87	86
3875007	87	92
3875008	82	87
3875009	87	84
3875010	87	98
3875011	90	90
Blank	84	91
LCS	94	91
LCSD	91	92
MS	94	92
Limits:	57-146	71-130

Analysis Name: Oxygenates by 8260B
Batch number: V022202AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
3875009	101	105	103	102
Blank	107	106	104	100
LCS	108	100	103	110
MS	107	109	101	101
MSD	103	106	104	102
Limits:	86-118	80-120	88-110	86-115

Analysis Name: Oxygenates by 8260B
Batch number: V022211AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
3875010	100	106	100	99
3875011	102	101	102	98
Blank	101	108	102	99
LCS	101	109	100	98
MS	102	104	101	99
MSD	104	100	102	101
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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