



# GETTLER-RYAN Inc.

R146

## TRANSMITTAL

Alameda County

NOV 01 2002

October 16, 2002

G-R #385203

Environmental Health

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: Former Chevron Service Station  
#9-2506  
2630 Broadway  
Oakland, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	October 1, 2002	Groundwater Monitoring and Sampling Report Second Semi-Annual - Event of August 21, 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 29, 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, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577  
Mr. Greg Gurss, Gettler-Ryan Inc., 3140 Gold Camp Drive, Suite 170, Rancho Cordova, CA 95670

Enclosures

trans/9-2506-ks



# GETTLER - RYAN INC.

October 1, 2002  
G-R Job #385203

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

**RE: Second Semi-Annual Event of August 21, 2002**  
Groundwater Monitoring & Sampling Report  
Former Chevron Service Station #9-2506  
2630 Broadway  
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.

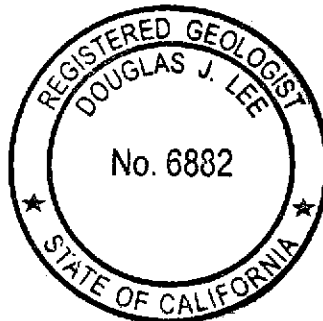
Sincerely,

*Deanna L. Harding*  
For -

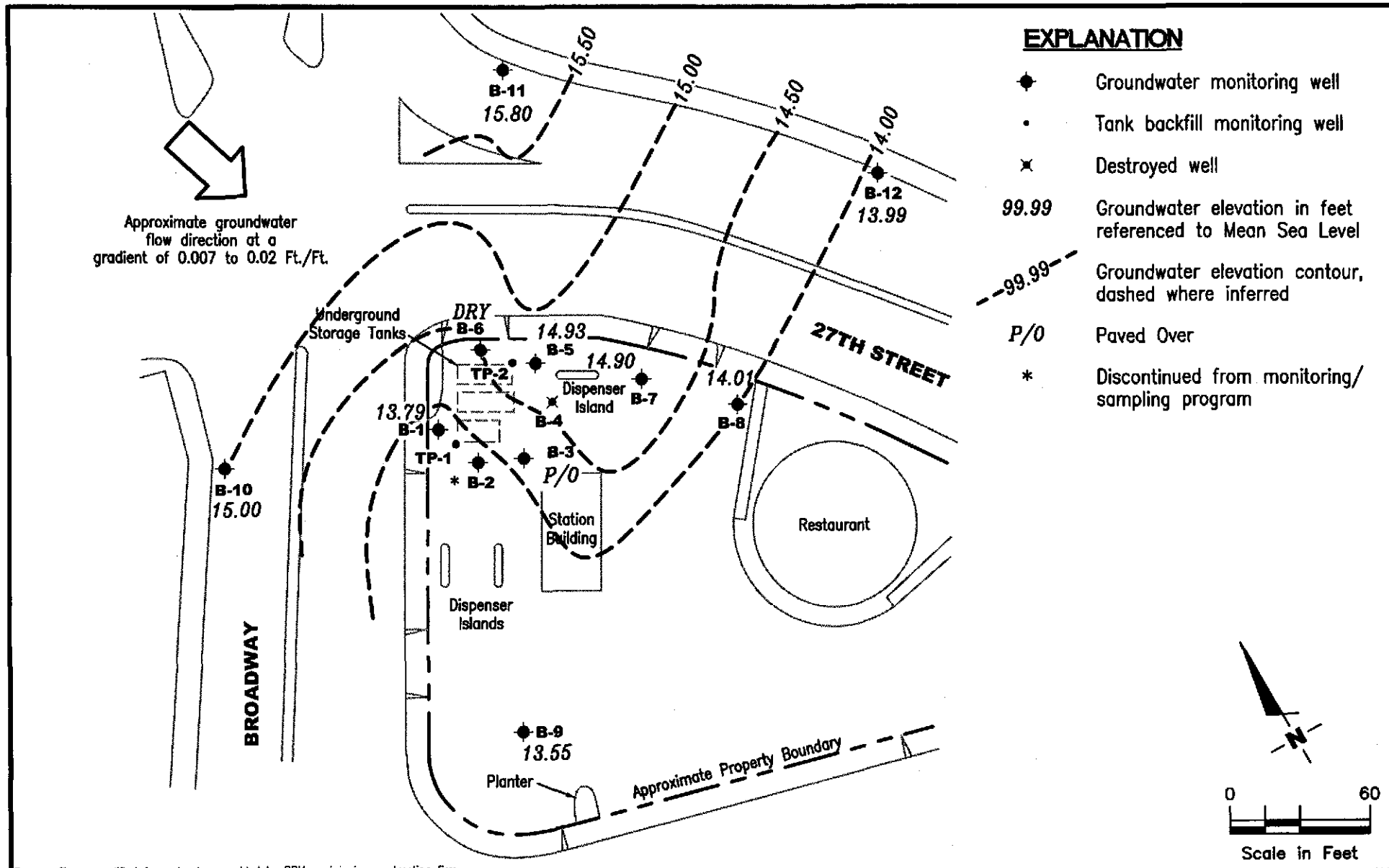
Deanna L. Harding  
Project Coordinator

*Douglas J. Lee*

Douglas J. Lee  
Senior Geologist, R.G. No. 6882



- Figure 1: Potentiometric Map
- Table 1: Groundwater Monitoring Data and Analytical Results
- Table 2: Groundwater Analytical Results - Oxygenate Compounds
- Attachments: Standard Operating Procedure - Groundwater Sampling  
Field Data Sheets  
Chain of Custody Document and Laboratory Analytical Reports



Source: Figure modified from drawing provided by RRM engineering contracting firm.

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

**POTENTIOMETRIC MAP**  
 Former Chevron Service Station #9-2506  
 2630 Broadway  
 Oakland, California

FIGURE  
**1**

PROJECT NUMBER  
**385203**

REVIEWED BY

DATE  
 August 21, 2002

REVISED DATE

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron Service Station #9-2506  
2630 Broadway  
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH		B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
					REMOVED (gallons)	TPH-G (ppb)					
<b>B-1</b>											
03/18/82	23.00	15.19	7.81	--	--	--	--	--	--	--	--
03/25/82	23.00	14.33	8.67	--	--	--	--	--	--	--	--
05/21/82	23.00	13.70	9.30	--	--	--	--	--	--	--	--
05/26/82	23.00	12.82	10.18	--	--	--	--	--	--	--	--
06/24/82	23.00	13.08	9.92	--	--	--	--	--	--	--	--
09/09/93	23.00	13.10	9.90	--	--	8,800 <sup>1</sup>	240	280	<2.5	<7.5	--
12/02/93	23.00	13.90	9.10	--	--	1,100	100	7.9	3.4	3.9	--
03/17/94	23.00	13.59	9.41	--	--	1,600	370	13	13	26	--
06/10/94	23.00	13.11	9.89	--	--	1,400	270	24	18	78	--
09/15/94	23.00	11.76	11.24	--	--	4,100	740	<5.0	270	300	--
12/28/94	25.67	16.42	9.25	--	--	1,200	200	32	37	79	--
03/29/95	25.67	17.35	8.32	--	--	13,000	540	54	77	120	--
06/05/95	25.67	15.95	9.72	--	--	3,000	610	<25	<25	<25	--
09/21/95	25.67	14.75	10.92	--	--	630 <sup>1</sup>	5.4	<0.5	1.3	6.1	--
12/22/95	25.67	15.53	10.14	--	--	<50	<0.5	<0.5	<0.5	<0.5	40,000
03/22/96	25.67	16.84	8.83	--	--	<1,200 <sup>1</sup>	150	<12	<12	<12	32,000
09/25/96	25.67	14.87	10.80	--	--	28,000 <sup>1</sup>	19	<12	<12	<12	38,000
03/06/97	25.67	16.52	9.15	--	--	<5,000	52	<50	<50	<50	18,000
09/12/97	25.67	14.95	10.72	--	--	89	<0.5	0.54	<0.5	1.3	9,200
04/02/98	25.67	16.41	9.26	--	--	<5,000	110	<50	<50	<50	25,000
09/15/98	25.67	15.15	10.52	--	--	<5,000	270	<50	<50	<60	51,000
03/09/99	25.69	17.44	8.25	--	--	418	27.2	<0.5	2.12	2.23	20,000/27,000 <sup>4</sup>
07/29/99 <sup>5</sup>	25.69	15.24	10.45	--	--	--	--	--	--	--	--
09/15/99	25.69	12.49	13.20	--	--	<2,000	<20	<20	<20	<20	37,000
03/01/00	25.69	14.24	11.45	--	--	308	<0.5	<0.5	<0.5	<0.5	23,000
08/31/00 <sup>7</sup>	25.69	13.31	12.38	0.00	0.00	<500	<5.00	<5.00	<5.00	<5.00	20,600
03/09/01 <sup>7</sup>	25.69	16.93	8.76	0.00	0.00	<1,000	<10.0	<10.0	<10.0	<10.0	15,600
09/21/01 <sup>7</sup>	25.69	13.84	11.85	0.00	0.00	350	0.89	<0.50	<0.50	<1.5	9,500/9,400 <sup>12</sup>
08/21/02 <sup>7</sup>	25.69	13.79	11.90	0.00	0.00	200	<0.50	<0.50	<0.50	<1.5	6,500/6,500 <sup>12</sup>

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron Service Station #9-2506  
2630 Broadway  
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH		B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
					REMOVED (gallons)	TPH-G (ppb)					
<b>B-2</b>											
03/18/82	22.28	18.45	3.83	--	--	--	--	--	--	--	--
03/25/82	22.28	16.49	5.79	--	--	--	--	--	--	--	--
05/21/82	22.28	17.43	4.85	--	--	--	--	--	--	--	--
05/26/82	22.28	13.75	8.53	--	--	--	--	--	--	--	--
06/24/82	22.28	13.88	8.40	--	--	--	--	--	--	--	--
09/09/93	22.28	15.82	6.46	--	--	4,700	470	630	180	590	--
12/02/93	22.28	16.87	5.41	--	--	2,200	59	27	110	350	--
03/17/94	22.28	14.84	7.44	--	--	1,800	52	33	97	320	--
06/10/94	22.28	14.13	8.15	--	--	1,200	37	48	20	93	--
09/15/94	22.28	12.28	10.00	--	--	4,900	710	12	340	450	--
12/28/94	25.13	17.81	7.32	--	--	2,600	63	49	56	370	--
03/09/95 <sup>2</sup>	--	--	--	--	--	--	--	--	--	--	--
03/09/01 <sup>2</sup>	25.11	--	--	--	--	--	--	--	--	--	--
NOT MONITORED/SAMPLED											
<b>B-3</b>											
03/18/82	21.78	16.13	5.65	--	--	--	--	--	--	--	--
03/25/82	21.78	16.03	5.75	--	--	--	--	--	--	--	--
05/21/82	21.78	16.20	5.58	--	--	--	--	--	--	--	--
05/26/82	21.78	13.79	7.99	--	--	--	--	--	--	--	--
06/24/82	21.78	14.10	7.68	--	--	--	--	--	--	--	--
09/09/93	21.78	15.79	5.99	--	--	7,800	500	760	180	720	--
12/02/93	21.78	16.08	5.70	--	--	9,800	790	870	380	1,500	--
03/17/94	21.78	15.28	6.50	--	--	2,400	88	55	74	270	--
06/10/94	21.78	14.55	7.23	--	--	2,300	110	95	84	240	--
09/15/94	21.78	12.62	9.16	--	--	5,000	670	9.3	340	410	--
12/28/94	24.35	17.91	6.44	--	--	4,100	650	34	320	440	--
03/29/95	24.35	18.88	5.47	--	--	3,300	170	2.2	51	8.9	--
06/05/95	24.35	17.30	7.05	--	--	2,500	850	31	170	85	--
09/21/95	24.35	15.43	8.92	--	--	2,900 <sup>1</sup>	1,300	280	140	100	--
12/22/95	24.35	15.82	8.53	--	--	5,400 <sup>1</sup>	340	37	150	460	8,600

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron Service Station #9-2506  
2630 Broadway  
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH		B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	
					REMOVED (gallons)	TPH-G (ppb)						
<b>B-3 (cont)</b>												
03/22/96	24.35	18.37	5.98	--	--	2,200	79	50	58	200	1,600	
09/25/96	24.35	15.33	9.02	--	--	11,000	530	97	74	400	7,200	
03/06/97	24.35	17.64	6.71	--	--	<500	20	<5.0	<5.0	<5.0	420	
09/12/97	24.35	15.04	9.31	--	--	<500 <sup>1</sup>	<5.0	<5.0	<5.0	<5.0	1,900	
04/02/98	24.35	17.02	7.33	--	--	110	8.3	0.79	4.0	7.4	590	
09/15/98 <sup>3</sup>	24.35	15.73	8.62	--	--	100	<0.5	<0.5	<0.5	<0.6	940	
03/09/99	24.43	18.97	5.46	--	--	<50	<0.5	<0.5	<0.5	<0.5	25.2/31.6 <sup>4</sup>	
07/29/99 <sup>5</sup>	24.43	15.51	8.92	--	--	--	--	--	--	--	--	
09/15/99	24.43	14.43	10.00	--	--	<50	<0.5	<0.5	<0.5	<0.5	1,300	
03/01/00 <sup>6</sup>	24.43	16.88	7.55	--	0.40	--	--	--	--	--	--	
08/31/00 <sup>7</sup>	24.43	13.90	10.53	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	3,230	
03/09/01 <sup>7</sup>	24.43	19.37	5.06	0.00	0.00	<250	<2.50	<2.50	<2.50	<2.50	3,370	
09/21/01	24.43	UNABLE TO LOCATE - PAVED OVER				--	--	--	--	--	--	--
08/21/02	24.43	UNABLE TO LOCATE - PAVED OVER				--	--	--	--	--	--	--
<b>B-4</b>												
03/18/82	21.35	16.70	4.65	--	--	--	--	--	--	--	--	
03/25/82	21.35	16.27	5.08	--	--	--	--	--	--	--	--	
05/21/82	21.35	--	--	SPH	--	--	--	--	--	--	--	
05/26/82	21.35	12.14	9.21	--	--	--	--	--	--	--	--	
06/24/82	21.35	13.13	8.22	SPH	--	--	--	--	--	--	--	
09/09/93	21.35	15.26	6.09	--	--	88,000	3,200	16,000	2,000	9,500	--	
12/02/93	21.35	15.81	5.54	--	--	110,000	3,600	25,000	2,800	15,000	--	
03/17/94	21.35	15.35	6.00	--	--	60,000	1,400	16,000	1,800	8,900	--	
06/10/94	21.35	14.48	6.87	--	--	25,000	770	880	190	1,100	--	
09/15/94	21.35	12.61	8.74	--	--	3,300	800	8.0	300	350	--	
12/28/94	24.11	18.37	5.74	--	--	17,000	400	4,000	630	2,900	--	
03/29/95 <sup>2</sup>	--	--	--	--	--	--	--	--	--	--	--	
DESTROYED												

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron Service Station #9-2506  
2630 Broadway  
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH		B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	
					REMOVED (gallons)	TPH-G (ppb)						
<b>B-5</b>												
03/18/82	21.53	16.40	5.13	--	--	--	--	--	--	--	--	
03/25/82	21.53	16.26	5.27	--	--	--	--	--	--	--	--	
05/21/82	21.53	17.13	4.40	--	--	--	--	--	--	--	--	
05/26/82	21.53	13.98	7.55	--	--	--	--	--	--	--	--	
06/24/82	21.53	14.26	7.27	--	--	--	--	--	--	--	--	
09/09/93	21.53	15.08	6.45	--	--	110,000	1,800	1,800	6,300	25,000	--	
12/02/93	21.53	16.40	5.13	--	--	81,000	4,400	3,800	6,700	28,000	--	
03/17/94	21.53	14.98	6.55	--	--	38,000	2,100	3,100	1,800	9,100	--	
06/10/94	21.53	14.19	7.34	--	--	110,000	5,100	7,000	5,400	27,000	--	
09/15/94	21.53	15.19	6.34	--	--	2,700	770	15	240	320	--	
12/28/94	24.23	17.68	6.55	--	--	94,000	4,600	10,000	4,400	19,000	--	
03/29/95	24.23	18.64	5.59	--	--	59,000	1,500	3,100	2,100	8,100	--	
06/05/95	24.23	17.04	7.19	--	--	58,000	2,300	4,300	2,600	11,000	--	
09/21/95	24.23	15.13	9.10	--	--	3,500 <sup>1</sup>	300	30	260	330	--	
12/22/95	24.23	15.62	8.61	--	--	6,500 <sup>1</sup>	370	120	400	870	5,500	
03/22/96	24.23	18.21	6.02	--	--	13,000	410	1,000	750	2,900	5,400	
09/25/96	24.23	15.03	9.20	--	--	8,000	170	<5.0	140	110	7,200	
03/06/97	24.23	17.60	6.63	--	--	60,000	630	320	2,300	9,500	4,700	
09/12/97	24.23	15.93	8.30	--	--	1,400	66	<10	59	24	3,300	
04/02/98	24.23	17.00	7.23	--	--	1,000 <sup>1</sup>	5.9	2.1	18	5.1	470	
09/15/98	24.23	15.70	8.53	--	--	11,000	250	<100	290	740	4,600	
03/09/99	24.23	18.79	5.44	--	--	51,900	598	623	3,070	11,400	2,250/2,970 <sup>4</sup>	
07/29/99 <sup>5</sup>	24.23	16.13	8.10	--	--	--	--	--	--	--	--	
09/15/99	24.23	14.27	9.96	--	--	3,500	210	39	63	230	6,300	
03/01/00	24.23	18.09	6.14	--	--	32,400	238	110	1,710	6,500	1,300	
08/31/00 <sup>7</sup>	24.23	15.25	8.98	0.00	0.00	4,730 <sup>8</sup>	55.5	<5.00	246	613	2,420	
03/09/01	24.24	UNABLE TO LOCATE - WELL COVERED WITH DIRT AND ROCKS					--	--	--	--	--	--
09/21/01 <sup>7</sup>	24.24	14.61	9.63	0.00	0.00	1,400	9.1	<0.50	6.2	24	1,700/1,600 <sup>12</sup>	
08/21/02 <sup>7</sup>	24.24	14.93	9.31	0.00	0.00	1,800	2.7	<0.50	12	3.7	330/320 <sup>12</sup>	

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron Service Station #9-2506  
2630 Broadway  
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH		B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
					REMOVED (gallons)	TPH-G (ppb)					
<b>B-6</b>											
03/18/82	22.03	14.47	7.56	--	--	--	--	--	--	--	--
03/25/82	22.03	15.95	6.08	--	--	--	--	--	--	--	--
05/21/82	22.03	17.18	4.85	--	--	--	--	--	--	--	--
05/26/82	22.03	13.72	8.31	--	--	--	--	--	--	--	--
06/24/82	22.03	14.00	8.03	--	--	--	--	--	--	--	--
09/09/93	22.03	13.91	8.12	--	--	6,800 <sup>1</sup>	<0.5	<0.5	<0.5	<1.5	--
12/02/93	22.03	14.97	7.06	--	--	320	29	<0.5	<0.5	<0.5	--
03/17/94	22.03	14.46	7.57	--	--	570	130	6.2	4.7	14	--
06/10/94	22.03	13.82	8.21	--	--	1,500	100	81	51	240	--
09/15/94	22.03	12.09	9.94	--	--	6,400	900	24	490	620	--
12/28/94	24.72	17.27	7.45	--	--	350	110	4.4	3.7	14	--
03/29/95	24.72	18.32	6.40	--	--	3,300	46	<0.5	1.3	1.2	--
06/05/95	24.72	16.65	8.07	--	--	230	<0.5	<0.5	<0.5	<0.5	--
09/21/95	24.72	15.17	9.55	--	--	<50 <sup>1</sup>	<0.5	<0.5	<0.5	<0.5	--
12/22/95	24.72	15.81	8.91	--	--	<50	<0.5	<0.5	<0.5	<0.5	15,000
03/22/96	24.72	17.78	6.94	--	--	<1,200 <sup>1</sup>	<12	<12	<12	<12	18,000
09/25/96	24.72	15.09	9.63	--	--	15,000 <sup>1</sup>	<10	<10	<10	<10	20,000
03/06/97	24.72	17.22	7.50	--	--	<5,000	<50	<50	<50	<50	18,000
09/12/97	24.72	15.02	9.70	--	--	<100 <sup>1</sup>	<1.0	<1.0	<1.0	<1.0	1,300
04/02/98	24.72	16.91	7.81	--	--	<500	17	<5.0	<5.0	<5.0	5,800
09/15/98	24.72	15.69	9.03	--	--	210	<1.0	<1.0	<1.0	<1.2	8,800
03/09/99	25.16	18.49	6.67	--	--	<50	<0.5	<0.5	<0.5	<0.5	18.5/18.4 <sup>4</sup>
07/29/99 <sup>5</sup>	25.16	15.91	9.25	--	--	--	--	--	--	--	--
09/15/99	25.16	DRY	--	--	--	--	--	--	--	--	--
03/01/00	25.16	18.70	6.46	--	--	UNABLE TO SAMPLE		--	--	--	--
08/31/00 <sup>7</sup>	25.16	DRY	--	--	--	--	--	--	--	--	--
03/09/01	25.11	19.25	5.86	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	49.7
09/21/01 <sup>11</sup>	25.11	DRY	--	--	--	--	--	--	--	--	--
08/21/02 <sup>7</sup>	25.11	DRY	--	--	--	--	--	--	--	--	--



**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron Service Station #9-2506  
2630 Broadway  
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)
<b>B-7</b>											
03/18/82	19.54	15.46	4.08	--	--	--	--	--	--	--	--
03/25/82	19.54	15.54	4.00	--	--	--	--	--	--	--	--
05/21/82	19.54	16.54	3.00	--	--	--	--	--	--	--	--
05/26/82	19.54	14.58	4.96	--	--	--	--	--	--	--	--
06/24/82	19.54	14.64	4.90	--	--	--	--	--	--	--	--
09/09/93	19.54	13.00	6.54	--	--	230	1.3	2.3	0.6	2.1	--
12/02/93	19.54	13.34	6.20	--	--	190	4.7	<0.5	1.1	1.9	--
03/17/94	19.54	14.35	5.19	--	--	320	15	3.3	1.0	3.0	--
06/10/94	19.54	13.57	5.97	--	--	210	6.1	5.7	2.3	5.8	--
09/15/94	19.54	11.76	7.78	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/28/94	22.22	17.18	5.04	--	--	520	17	4.8	2.5	2.1	--
03/29/95	22.22	17.87	4.35	--	--	420	6.0	2.3	1.8	0.9	--
06/05/95	22.22	16.43	5.79	--	--	65	<0.5	<0.5	<0.5	<0.5	--
09/21/95	22.22	14.67	7.55	--	--	<50 <sup>1</sup>	<0.5	<0.5	<0.5	<0.5	--
12/22/95	22.22	13.06	9.16	--	--	<50	<0.5	<0.5	<0.5	<0.5	930
03/22/96	22.22	17.62	4.60	--	--	300	1.0	0.5	<0.5	0.6	280
09/25/96	22.22	14.24	7.98	--	--	310 <sup>1</sup>	<0.5	0.6	<0.5	0.8	420
03/06/97	22.22	17.16	5.06	--	--	1,200	9.0	<0.5	<0.5	2.9	1,000
09/12/97	22.22	14.37	7.85	--	--	<500 <sup>1</sup>	<5.0	<5.0	<5.0	<5.0	3,500
04/02/98	22.22	17.90	4.32	--	--	<500	26	1.0	9.0	20	2,200
09/15/98	22.22	15.24	6.98	--	--	330	<0.5	<0.5	<0.5	<0.6	1,200
03/09/99	22.19	17.99	4.20	--	--	607	18.1	<5.0	<5.0	5.64	3,080/5,070 <sup>4</sup>
07/29/99 <sup>5</sup>	22.19	15.39	6.80	--	--	--	--	--	--	--	--
09/15/99	22.19	12.70	9.49	--	--	150	<0.5	<0.5	<0.5	0.64	1,100
03/01/00	22.19	17.22	4.97	--	--	230	<0.5	<0.5	<0.5	<0.5	557
08/31/00 <sup>7</sup>	22.19	14.71	7.48	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	85.7
03/09/01 <sup>7</sup>	22.18	18.54	3.64	0.00	0.00	235 <sup>9</sup>	<0.500	<0.500	<0.500	<0.500	236
09/21/01 <sup>7</sup>	22.18	14.35	7.83	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5/ $<2^{12}$
08/21/02 <sup>7</sup>	22.18	14.90	7.28	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	2.6/2 <sup>12</sup>

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron Service Station #9-2506  
2630 Broadway  
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPH		TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
				SPHT (ft.)	REMOVED (gallons)						
B-8											
03/18/82	18.49	14.22	4.27	--	--	--	--	--	--	--	--
03/25/82	18.49	14.43	4.06	--	--	--	--	--	--	--	--
05/21/82	18.49	13.63	4.86	--	--	--	--	--	--	--	--
05/26/82	18.49	13.53	4.96	--	--	--	--	--	--	--	--
06/24/82	18.49	13.62	4.87	--	--	--	--	--	--	--	--
09/09/93	18.49	13.29	5.20	--	--	<50	3.4	<0.5	<0.5	<1.5	--
12/02/93	18.49	13.18	5.31	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/17/94	18.49	13.62	4.87	--	--	<50	1.7	0.5	<0.5	0.6	--
06/10/94	18.49	12.86	5.63	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/15/94	18.49	11.39	7.10	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/28/94	21.01	16.38	4.63	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/29/95	21.01	16.81	4.20	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/05/95	21.01	15.83	5.18	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/21/95	21.01	14.21	6.80	--	--	<50 <sup>1</sup>	<0.5	<0.5	<0.5	<0.5	--
12/22/95	21.01	14.53	6.48	--	--	<50	<0.5	<0.5	<0.5	<0.5	190
03/22/96	21.01	16.52	4.49	--	--	<50	<0.5	<0.5	<0.5	<0.5	86
09/25/96	21.01	13.83	7.18	--	--	90 <sup>1</sup>	<0.5	<0.5	<0.5	1.0	110
03/06/97	21.01	INACCESSIBLE		--	--	--	--	--	--	--	--
09/12/97	21.01	INACCESSIBLE		--	--	--	--	--	--	--	--
04/02/98	21.01	16.79	4.22	--	--	<50	<0.5	<0.5	<0.5	<0.5	56
09/15/98	21.01	14.03	6.98	--	--	<50	<0.5	<0.5	<0.5	<0.6	54
03/09/99	20.99	17.30	3.69	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
09/15/99	20.99	13.60	7.39	--	--	<50	<0.5	<0.5	<0.5	<0.5	52
03/01/00	20.99	17.43	3.56	--	--	<50	<0.5	<0.5	<0.5	<0.5	20.4
08/31/00	20.99	13.90	7.09	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	29.3
03/09/01	21.00	UNABLE TO LOCATE - WELL COVERED WITH DIRT					--	--	--	--	--
09/21/01	21.01	UNABLE TO LOCATE - WELL COVERED WITH DIRT					--	--	--	--	--
08/21/02	21.01	14.01	7.00	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	12/11 <sup>12</sup>

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Former Chevron Service Station #9-2506  
2630 Broadway  
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH		B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	
					REMOVED (gallons)	TPH-G (ppb)						
<b>B-9</b>												
08/04/94	--	14.08	11.53	--	--	650	4.4	2.4	6.3	14	--	
11/02/94	--	16.19	9.42	--	--	--	--	--	--	--	--	
12/28/94	25.61	17.26	8.35	--	--	2,400	290	8.4	90	36	--	
03/29/95	25.61	18.18	7.43	--	--	5,900	540	24	200	84	--	
06/05/95	25.61	17.14	8.47	--	--	3,000	130	<25	<25	<25	--	
09/21/95	25.61	16.62	8.99	--	--	240 <sup>1</sup>	1,500	14	62	55	--	
12/22/95	25.61	16.41	9.20	--	--	1,800	170	6.6	59	20	<6.0	
03/22/96	25.61	17.77	7.84	--	--	2,400	230	6.2	77	9.7	9.2	
09/25/96	25.61	16.37	9.24	--	--	1,800	28	4.7	39	13	56	
03/06/97	25.61	17.15	8.46	--	--	3,400	68	3.3	45	18	47	
09/12/97	25.61	16.46	9.15	--	--	560	13	7.9	5.8	16	67	
04/02/98	25.61	17.68	7.93	--	--	2,500 <sup>1</sup>	93	14	15	39	30	
09/15/98 <sup>3</sup>	25.61	16.54	9.07	--	--	1,400	<0.5	<0.5	<0.5	<0.6	69	
03/09/99	22.93	16.05	6.88	--	--	1,160	133	10.1	7.5	3.27	178	
07/29/99 <sup>5</sup>	22.93	14.05	8.88	--	--	--	--	--	--	--	--	
09/15/99	22.93	13.38	9.55	--	--	62	2.4	<0.5	<0.5	0.93	140	
03/01/00	22.93	16.28	6.65	--	--	335	16.5	0.649	1.49	1.15	132	
08/31/00 <sup>7</sup>	22.93	13.59	9.34	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	
03/09/01 <sup>7</sup>	22.93	16.58	6.35	0.00	0.00	1,840 <sup>10</sup>	66.8	<2.00	7.61	7.42	<20.0	
09/21/01	22.93	UNABLE TO LOCATE - PAVED OVER				--	--	--	--	--	--	--
08/21/02 <sup>7</sup>	22.93	13.55	9.38	0.00	0.00	280	4.6	<0.50	0.75	1.6	31/37 <sup>12</sup>	
<b>B-10</b>												
08/04/94	--	12.20	10.95	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	
11/02/94	--	11.96	11.19	--	--	--	--	--	--	--	--	
12/28/94	23.15	12.85	10.30	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	
03/29/95	23.15	13.47	9.68	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	
06/05/95	23.15	12.56	10.59	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	
09/21/95	23.15	12.28	10.87	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	
12/22/95	23.15	12.74	10.41	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.6	
03/22/96	23.15	13.04	10.11	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	

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WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH		B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
					REMOVED (gallons)	TPH-G (ppb)					
<b>B-10 (cont)</b>											
09/25/96	23.15	13.00	10.15	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
03/06/97	23.15	13.17	9.98	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
09/12/97	23.15	12.25	10.90	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
04/02/98	23.15	12.97	10.18	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/15/98 <sup>3</sup>	23.15	12.24	10.91	--	--	<50	<0.5	<0.5	<0.5	<0.6	<10
03/09/99	25.56	INACCESSIBLE		--	--	--	--	--	--	--	--
03/19/99	25.56	15.51	10.05	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/15/99	25.56	14.80	10.76	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
03/01/00	25.56	15.78	9.78	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
08/31/00	25.56	14.88	10.68	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00
03/09/01	25.56	15.53	10.03	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00
09/21/01	25.56	14.79	10.77	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 <sup>12</sup>
08/21/02	25.56	15.00	10.56	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 <sup>12</sup>
<b>B-11</b>											
08/04/94	--	14.84	10.39	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/02/94	--	13.73	11.50	--	--	--	--	--	--	--	--
12/28/94	25.23	16.14	9.09	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/29/95	25.23	17.83	7.40	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/05/95	25.23	16.97	8.26	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/21/95	25.23	15.44	9.79	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/22/95	25.23	15.68	9.55	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.6
03/22/96	25.23	17.88	7.35	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
09/25/96	25.23	15.02	10.21	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
03/06/97	25.23	17.47	7.76	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
09/12/97	25.23	15.15	10.08	--	--	<50	<0.5	<0.5	<0.5	<0.5	2.5
04/02/98	25.23	18.30	6.93	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/15/98	25.23	16.07	9.16	--	--	<50	0.82	1.5	<0.5	2.0	<10
03/09/99	25.27	18.39	6.88	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
09/15/99	25.27	15.58	9.69	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5

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WELL ID/ DATE	TOC* (ft.)	GWE (mst)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
<b>B-11 (cont)</b>											
03/01/00	25.27	18.85	6.42	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
08/31/00	25.27	15.97	9.30	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00
03/09/01	25.27	18.72	6.55	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00
09/21/01	25.27	15.21	10.06	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 <sup>12</sup>
08/21/02	25.27	15.80	9.47	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 <sup>12</sup>
<b>B-12</b>											
08/04/94	--	13.99	6.41	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/02/94	--	11.65	8.75	--	--	--	--	--	--	--	--
12/28/94	20.40	17.64	2.76	--	--	74	1.0	2.6	1.3	4.4	--
03/29/95	20.40	17.94	2.46	--	--	210	<0.5	<0.5	0.7	1.6	--
06/05/95	20.40	15.81	4.59	--	--	<50	<0.5	<0.5	<0.5	0.7	--
09/21/95	20.40	13.04	7.36	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/22/95	20.40	16.44	3.96	--	--	140 <sup>1</sup>	<0.5	<0.5	<0.5	0.93	<0.6
03/22/96	20.40	17.48	2.92	--	--	150	<0.5	0.8	<0.5	2.0	<5.0
09/25/96	20.40	12.56	7.84	--	--	90	<0.5	<0.5	<0.5	<0.5	<5.0
03/06/97	20.40	17.23	3.17	--	--	270 <sup>1</sup>	<0.5	<0.5	<0.5	<0.5	<5.0
09/12/97	20.40	13.59	6.81	--	--	130 <sup>1</sup>	<1.0	<1.0	<1.0	<1.0	<5.0
04/02/98	20.40	18.26	2.14	--	--	110 <sup>1</sup>	1.2	<0.5	<0.5	<0.5	12
09/15/98	20.40	14.07	6.33	--	--	130	<0.5	<0.5	<0.5	<0.6	<10
03/09/99	20.40	17.95	2.45	--	--	1,380	<10	<10	<10	<10	<100
09/15/99	20.40	13.69	6.71	--	--	320	<0.5	<0.5	<0.5	1.1	<2.5
03/01/00	20.40	17.55	2.85	--	--	206	<1.0	<1.0	<1.0	<1.0	<5.0
08/31/00	20.40	13.90	6.50	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00
03/09/01	20.40	INACCESSIBLE - CAR PARKED OVER WELL				--	--	--	--	--	--
09/21/01	20.41	12.78	7.63	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 <sup>12</sup>
08/21/02	20.41	13.99	6.42	0.00	0.00	58	<0.50	<0.50	<0.50	<1.5	<2.5/<2 <sup>12</sup>

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Former Chevron Service Station #9-2506  
2630 Broadway  
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)
<b>TP-1</b>											
09/09/93	--	--	7.33	--	--	8,500	770	890	120	590	--
<b>TP-2</b>											
09/09/93	--	--	6.18	--	--	13,000	2,400	3,200	380	1,900	--
<b>BAILER BLANK</b>											
09/09/93	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
12/02/93	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/17/94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	0.6	--
<b>TRIP BLANK</b>											
09/09/93	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
12/02/93	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/17/94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/10/94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/15/94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/28/94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/29/95	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/05/95	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/21/95	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/22/95	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.6
03/22/96	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
09/25/96	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
03/06/97	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
09/12/97	--	--	--	--	--	<50	<0.5	0.55	<0.5	<0.5	<2.5
04/02/98	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/15/98	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.6	<10
03/09/99	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
09/15/99	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	4.5

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron Service Station #9-2506  
2630 Broadway  
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (mst)	DTW (ft.)	SPHT (ft.)	SPH		B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
					REMOVED (gallons)	TPH-G (ppb)					
<b>TRIP BLANK (cont)</b>											
03/01/00	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
08/31/00	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00
03/09/01	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00
09/21/01	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
<b>QA</b>											
08/21/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron Service Station #9-2506  
2630 Broadway  
Oakland, California

**EXPLANATIONS:**

Groundwater monitoring data and laboratory analytical results prior to August 31, 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 on December 27, 2000, by Virgil Chavez Land Surveying. The benchmark for the survey was a City of Oakland benchmark, being a disc in a monument well in the sidewalk on Broadway, near the southwest corner of the site. (Benchmark Elevation = 24.182 feet, msl).

<sup>1</sup> Chromatogram pattern indicated an unidentified hydrocarbon.

<sup>2</sup> Well removed from monitoring program January 11, 1995, per approval of Alameda County Health Services.

<sup>3</sup> Well analyzed for Semi-Volatile Organics Compounds (SVOCs). All compounds were not detected (ND).

<sup>4</sup> Confirmation run.

<sup>5</sup> ORC installed.

<sup>6</sup> Free product encountered during purge.

<sup>7</sup> ORC in well.

<sup>8</sup> Laboratory report indicates gasoline C6-C12.

<sup>9</sup> Laboratory report indicates unidentified hydrocarbons C6-C12.

<sup>10</sup> Laboratory report indicates weathered gasoline C6-C12.

<sup>11</sup> Removed and replaced ORC in well.

<sup>12</sup> MTBE by EPA Method 8260.



**Table 2**  
**Groundwater Analytical Results - Oxygenate Compounds**  
Former Chevron Service Station #9-2506  
2630 Broadway  
Oakland, California

WELL ID	DATE	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
B-1	09/21/01	3,200	9,400	<2	21	130	<2	<2
	08/21/02	1,400	6,500	<3.0	16	85	<3.0	<3.0
B-3	09/21/01	UNABLE TO LOCATE - PAVED OVER			--	--	--	--
	08/21/02	UNABLE TO LOCATE - PAVED OVER			--	--	--	--
B-5	09/21/01	210	1,600	<2	39	25	<2	<2
	08/21/02	<100	320	<2	8	4	<2	<2
B-6	09/21/01	DRY	--	--	--	--	--	--
	08/21/02	DRY	--	--	--	--	--	--
B-7	09/21/01	<100	<2	<2	<2	<2	<2	<2
	08/21/02	<100	2	<2	<2	<2	<2	<2
B-8	09/21/01	UNABLE TO LOCATE - WELL COVERED WITH DIRT			--	--	--	--
	08/21/02	<100	11	<2	<2	<2	<2	<2
B-9	09/21/01	UNABLE TO LOCATE - PAVED OVER			--	--	--	--
	08/21/02	<100	37	<2	<2	<2	<2	<2
B-10	09/21/01	<100	<2	<2	<2	<2	<2	<2
	08/21/02	<100	<2	<2	<2	<2	<2	<2

**Table 2**  
**Groundwater Analytical Results - Oxygenate Compounds**  
 Former Chevron Service Station #9-2506  
 2630 Broadway  
 Oakland, California

<b>WELL ID</b>	<b>DATE</b>	<b>TBA (ppb)</b>	<b>MTBE (ppb)</b>	<b>DIPE (ppb)</b>	<b>ETBE (ppb)</b>	<b>TAME (ppb)</b>	<b>1,2-DCA (ppb)</b>	<b>EDB (ppb)</b>
B-11	09/21/01	<100	<2	<2	<2	<2	<2	<2
	08/21/02	<100	<2	<2	<2	<2	<2	<2
B-12	09/21/01	<100	<2	<2	<2	<2	<2	<2
	08/21/02	<100	<2	<2	<2	<2	<2	<2

**Table 2**  
**Groundwater Analytical Results - Oxygenate Compounds**  
Former Chevron Service Station #9-2506  
2630 Broadway  
Oakland, California

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**EXPLANATIONS:**

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

**ANALYTICAL METHOD:**

EPA Method 8260 for Oxygenate Compounds

## 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 Job Number: 385203  
 Site Address: 2630 Broadway Event Date: 8.21.02  
 City: Oakland, CA Sampler: FT

Well ID: B-1 Well Condition: OK (BENT CASING @ 3 FT.)  
 Well Diameter: 2 in. Hydrocarbon Amount Bailed  
 Total Depth: 29.18 ft. Thickness: 0 ft. (product/water): 0 gal.  
 Depth to Water: 11.90 ft.

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

17.28 xVF .17 = 2.93 x3 (case volume) = Estimated Purge Volume: 8.81 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): 3:10 Weather Conditions: SUNNY  
 Sample Time/Date: 3:45 / 8.21.02 Water Color: CLEAR Odor: YES  
 Purging Flow Rate: 1.0 gpm. Sediment Description: \_\_\_\_\_  
 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)
<u>3:14</u>	<u>3.0</u>	<u>7.05</u>	<u>169</u>	<u>20.4</u>		
<u>3:18</u>	<u>6.0</u>	<u>7.07</u>	<u>173</u>	<u>20.2</u>		
<u>3:22</u>	<u>9.0</u>	<u>7.11</u>	<u>181</u>	<u>19.9</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>B-1</u>	<u>6 x vov vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8021)</u>
					<u>7 0443</u>

COMMENTS: SLOW RECOVERY  
ORC IN WELL

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco Job Number: 385203  
 Site Address: 2630 Broadway Event Date: 8.21.02  
 City: Oakland, CA Sampler: FT

Well ID: B-3 Well Condition: LITL - PAVED OVER  
 Well Diameter: 2 in. Hydrocarbon Amount Bailed  
 Total Depth: 15.22 ft. Thickness: \_\_\_\_\_ ft. (product/water): \_\_\_\_\_ gal.  
 Depth to Water: N/A ft.

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

N/A xVF \_\_\_\_\_ = \_\_\_\_\_ x3 (case volume) = Estimated Purge Volume: \_\_\_\_\_ 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): \_\_\_\_\_ Weather Conditions: \_\_\_\_\_  
 Sample Time/Date: \_\_\_\_\_ / \_\_\_\_\_ Water Color: \_\_\_\_\_ Odor: \_\_\_\_\_  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? \_\_\_\_\_ If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

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

COMMENTS: WELL PAVED OVER (SEE PHOTO)

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco Job Number: 385203  
 Site Address: 2630 Broadway Event Date: 8.21.02  
 City: Oakland, CA Sampler: FT

Well ID: B-5 Well Condition: Oil BENT CASING (c 4')  
 Well Diameter: 2 in. Hydrocarbon Amount Bailed  
 Total Depth: 19.39 ft. Thickness: 0 ft. (product/water): 0 gal.  
 Depth to Water: 9.31 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

10.08 xVF .17 = 1.71 x3 (case volume) = Estimated Purge Volume: 5.14 gal.

Purge Equipment: Disposable Bailer  Sampling Equipment: Disposable Bailer   
 Stainless Steel Bailer \_\_\_\_\_ Pressure Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_ Discrete Bailer \_\_\_\_\_  
 Suction Pump \_\_\_\_\_ Other: \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

Start Time (purge): 2:33 Weather Conditions: SUNNY  
 Sample Time/Date: 2:53 / 8.21.02 Water Color: CLOUDY / DK. CHOCOLATE odor: YES  
 Purging Flow Rate: N/A gpm. Sediment Description: Green  
 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)
<u>2:37</u>	<u>1.5</u>	<u>7.11</u>	<u>180</u>	<u>21.2</u>		
<u>2:42</u>	<u>3.0</u>	<u>7.09</u>	<u>169</u>	<u>20.8</u>		
<u>2:48</u>	<u>5.0</u>	<u>7.06</u>	<u>162</u>	<u>20.7</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>B-5</u>	<u>0</u> x vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8021) /</u> <u>FOXY'S</u>

COMMENTS: "OIL IN WELL"

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco  
 Site Address: 2630 Broadway  
 City: Oakland, CA

Job Number: 385203  
 Event Date: 8.21.12  
 Sampler: FT

Well ID: B-6  
 Well Diameter: 2 in.  
 Total Depth: 9.20 ft.  
 Depth to Water: DRY ft.

Well Condition: 0' (BENT CASING)  
 Hydrocarbon Thickness: 0 ft. Amount Bailed (product/water): 0 gal.

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

NA xVF \_\_\_\_\_ = \_\_\_\_\_ x3 (case volume) = Estimated Purge Volume: \_\_\_\_\_ 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): \_\_\_\_\_ Weather Conditions: \_\_\_\_\_  
 Sample Time/Date: 1 Water Color: \_\_\_\_\_ Odor: \_\_\_\_\_  
 Purging Flow Rate: gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? \_\_\_\_\_ If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)

### LABORATORY INFORMATION

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

COMMENTS: WELL WAS "DRY"  
ORE IN WELL

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_





# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco Job Number: 385203  
 Site Address: 2630 Broadway Event Date: 8.21.02  
 City: Oakland, CA Sampler: ET

Well ID: B-7 Well Condition: OK  
 Well Diameter: 2 in. Hydrocarbon Amount Bailed  
 Total Depth: 19.28 ft. Thickness: 0 ft. (product/water): 0 gal.  
 Depth to Water: 7.28 ft.

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

12.00 xVF .17 = 2.04 x3 (case volume) = Estimated Purge Volume: 6.12 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): 2:02 Weather Conditions: SUNNY  
 Sample Time/Date: 2:19 / 8.21.02 Water Color: CLOUDY / BRN. Odor: NO  
 Purging Flow Rate: NA gpm. Sediment Description: SILTY  
 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)
<u>2:06</u>	<u>2.0</u>	<u>7.10</u>	<u>266</u>	<u>23.0</u>	_____	_____
<u>2:10</u>	<u>4.0</u>	<u>7.12</u>	<u>287</u>	<u>22.4</u>	_____	_____
<u>2:14</u>	<u>6.0</u>	<u>7.11</u>	<u>298</u>	<u>21.6</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>B-7</u>	<u>6 x vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8021) /</u> <u>7 OXY'S</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: "ORC IN WELL"

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco Job Number: 385203  
 Site Address: 2630 Broadway Event Date: 8.21.02  
 City: Oakland, CA Sampler: FT

Well ID: B-8 Well Condition: GOOD (NEW WELL BOY)  
 Well Diameter: 2 in. Hydrocarbon Amount Bailed  
 Total Depth: 19.49 ft. Thickness: 0 ft. (product/water): 0 gal.  
 Depth to Water: 7.00 ft.

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

12.49 xVF .17 = 2.12 x3 (case volume) = Estimated Purge Volume: 6.36 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): 1:38 Weather Conditions: SUNNY  
 Sample Time/Date: 1:53 / 8.21.02 Water Color: CLOUDY / BRN. Odor: NO  
 Purging Flow Rate: N/A gpm. Sediment Description: \_\_\_\_\_  
 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)
<u>1:41</u>	<u>2.0</u>	<u>7.06</u>	<u>180</u>	<u>22.7</u>		
<u>1:44</u>	<u>4.0</u>	<u>7.10</u>	<u>273</u>	<u>22.0</u>		
<u>1:48</u>	<u>6.0</u>	<u>7.12</u>	<u>272</u>	<u>22.1</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>B-8</u>	<u>6</u> x vovial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8021)</u> <u>7/02/02</u>

COMMENTS: \_\_\_\_\_

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco Job Number: 385203  
 Site Address: 2630 Broadway Event Date: 8-21-02  
 City: Oakland, CA Sampler: FT

Well ID: B-9 Well Condition: GOOD (NEW WELL BOT)  
 Well Diameter: 2 in. Hydrocarbon Amount Bailed  
 Total Depth: 17.10 ft. Thickness: 0 ft. (product/water): 0 gal.  
 Depth to Water: 9.35 ft.

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

7.72 xVF .17 = 1.31 x3 (case volume) = Estimated Purge Volume: 3.93 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): 4:34 Weather Conditions: SUNNY  
 Sample Time/Date: 4:50 / 8-21-02 Water Color: CLOUDY / LT. GRAY Odor: YES  
 Purging Flow Rate: N/A gpm. Sediment Description: SILTY  
 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)
<u>4:37</u>	<u>1.5</u>	<u>6.97</u>	<u>458</u>	<u>22.3</u>		
<u>4:40</u>	<u>3.0</u>	<u>7.03</u>	<u>318</u>	<u>21.6</u>		
<u>4:44</u>	<u>4.0</u>	<u>7.06</u>	<u>294</u>	<u>21.2</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>B-9</u>	<u>6 x vva vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8021)</u>
					<u>7045</u>

COMMENTS: ORC IN WELL

Add/Replaced Lock:  Add/Replaced Plug:  Size: 2"



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco Job Number: 385203  
 Site Address: 2630 Broadway Event Date: 8-21-02  
 City: Oakland, CA Sampler: FT

Well ID: B-10 Well Condition: OK  
 Well Diameter: 2 in. Hydrocarbon Amount Bailed  
 Total Depth: 19.08 ft. Thickness: 0 ft. (product/water): 0 gal.  
 Depth to Water: 10.56 ft.

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

8.52 xVF .17 = 1.44 x3 (case volume) = Estimated Purge Volume: 4.34 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): 12:10 Weather Conditions: SUNNY  
 Sample Time/Date: 12:22 / 8-21-02 Water Color: CLOUDY / BRN Odor: NO  
 Purging Flow Rate: NA gpm. Sediment Description: SILTY  
 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)
<u>12:13</u>	<u>1.5</u>	<u>7.02</u>	<u>146</u>	<u>21.7</u>	_____	_____
<u>12:16</u>	<u>3.0</u>	<u>7.04</u>	<u>148</u>	<u>21.0</u>	_____	_____
<u>12:19</u>	<u>4.0</u>	<u>7.11</u>	<u>143</u>	<u>21.1</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>B-10</u>	<u>6 x vov vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8021)</u>
_____	_____	_____	_____	_____	<u>704-13</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco Job Number: 385203  
 Site Address: 2630 Broadway Event Date: 8.21.02  
 City: Oakland, CA Sampler: FT

Well ID: B-11 Well Condition: OK  
 Well Diameter: 2 in. Hydrocarbon Thickness: 0 ft. Amount Bailed (product/water): 0 gal.  
 Total Depth: 18.95 ft. Volume Factor (VF):  
 Depth to Water: 9.47 ft.

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

9.48 xVF .17 = 1.61 x3 (case volume) = Estimated Purge Volume: 4.83 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): 11:29 Weather Conditions: SUNNY  
 Sample Time/Date: 11:43 / 8.21.02 Water Color: CLOUDY / BRN. Odor: NO  
 Purging Flow Rate: NA gpm. Sediment Description: SILTY  
 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)
<u>11:32</u>	<u>1.5</u>	<u>7.10</u>	<u>142</u>	<u>22.5</u>		
<u>11:35</u>	<u>3.0</u>	<u>7.04</u>	<u>146</u>	<u>22.4</u>		
<u>11:38</u>	<u>5.0</u>	<u>7.07</u>	<u>147</u>	<u>22.6</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>B-11</u>	<u>6 x vva vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8021)</u> <u>7.0445</u>

COMMENTS: \_\_\_\_\_

Add/Replaced Lock:  Add/Replaced Plug:  Size: 2"



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco Job Number: 385203  
 Site Address: 2630 Broadway Event Date: 8.21.02  
 City: Oakland, CA Sampler: FT

Well ID: B-12 Well Condition: OK  
 Well Diameter: 2 in. Hydrocarbon Amount Bailed  
 Total Depth: 18.23 ft. Thickness: 0 ft. (product/water): 0 gal.  
 Depth to Water: 6.42 ft.

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

11.81 xVF .17 = 2.00 x3 (case volume) = Estimated Purge Volume: 6.0 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): 10:54 Weather Conditions: SUNNY  
 Sample Time/Date: 11:10 / 8.21.02 Water Color: CLEAR Odor: SLIGHT  
 Purging Flow Rate: NA gpm. Sediment Description: \_\_\_\_\_  
 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)
<u>10:57</u>	<u>2.0</u>	<u>7.04</u>	<u>152</u>	<u>22.2</u>	_____	_____
<u>11:01</u>	<u>4.0</u>	<u>7.06</u>	<u>140</u>	<u>21.5</u>	_____	_____
<u>11:05</u>	<u>6.0</u>	<u>7.10</u>	<u>133</u>	<u>21.1</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>B-12</u>	<u>6 x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8021) /</u> <u>7 OMS</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: \_\_\_\_\_

Add/Replaced Lock:  Add/Replaced Plug:  Size: 2"

# Chevron California Region Analysis Request/Chain of Custody



Acct. #: 10905 For Lancaster Laboratories use only  
 Sample #: 3885472-80

SCR#: \_\_\_\_\_  
 Group # 820244

082302-004

Facility #: 9-2506 Job #385203 Global ID #T0600101812  
 Site Address: 2630 BROADWAY, OAKLAND, CA  
 Chevron PM: Tom Bauhs 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: FRANK TERRINONI  
 Service Order #: \_\_\_\_\_  Non SAR: \_\_\_\_\_

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix			Total Number of Containers	Analyses Requested								
					Soil	Water	Air		BTEX + MTBE 8260	TPH 8015 MOD GRO	TPH 8015 MOD DRO	8260 full scan	Oxygenates 8260	Lead 7420	7421	7422	
QA	8-21-02						W	2	X	X							
B-1		1545	X					6	X	X				X			
B-5		1453	X					6	X	X				X			
B-7		1419	X					6	X	X				X			
B-8		1353	X					6	X	X				X			
B-9		1650	X					6	X	X				X			
B-10		1222	X					6	X	X				X			
B-11		1143	X					6	X	X				X			
B-12		1110	X					6	X	X				X			

**Preservative Codes**  
 H = HCl      T = Thiosulfate  
 N = HNO<sub>3</sub>      B = NaOH  
 S = H<sub>2</sub>SO<sub>4</sub>      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

**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

Relinquished by: <u>Frank Terrinoni</u>	Date: <u>8-21-02</u>	Time: _____	Received by: <u>[Signature]</u>	Date: <u>8/23/02</u>	Time: <u>1300</u>
Relinquished by: <u>[Signature]</u>	Date: <u>8/22/02</u>	Time: <u>1300</u>	Received by: <u>Anches Amays</u>	Date: <u>8-23-02</u>	Time: <u>1300</u>
Relinquished by: <u>Anches Amays</u>	Date: <u>8-23-02</u>	Time: <u>1530</u>	Received by: <u>Airborne</u>	Date: <u>8-23-02</u>	Time: _____
Relinquished by: Commercial Carrier UPS      FedEx      Other _____	Temperature Upon Receipt: <u>Changes 5° - 3.50</u>		Received by: <u>[Signature]</u>	Date: <u>8/24/02</u>	Time: <u>0905</u>
			Custody Seals Intact? <u>Yes</u> No		



RECEIVED  
LABORATORY  
AUG 27 9 2002

## 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 820244. Samples arrived at the laboratory on Saturday, August 24, 2002. The PO# for this group is 99011184 and the release number is BAUHS.

<u>Client Description</u>		<u>Lancaster Labs Number</u>
QA-T-020821	NA Water	3885472
B-1-W-020821	Grab Water	3885473
B-5-W-020821	Grab Water	3885474
B-7-W-020821	Grab Water	3885475
B-8-W-020821	Grab Water	3885476
B-9-W-020821	Grab Water	3885477
B-10-W-020821	Grab Water	3885478
B-11-W-020821	Grab Water	3885479
B-12-W-020821	Grab Water	3885480

1 COPY TO Delta C/O Gettler-Ryan

Attn: Deanna L. Harding

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

Respectfully Submitted,

*Steven A. Skiles*  
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





Lancaster Laboratories Sample No. WW 3885472

Collected: 08/21/2002 00:00

Account Number: 10905

Submitted: 08/24/2002 09:25  
 Reported: 09/06/2002 at 19:04  
 Discard: 10/07/2002

ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

QA-T-020821 NA Water  
 Facility# 92506 Job# 385203 GRD  
 2630 Broadway-Oakland T0600101812 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.						

State of California Lab Certification No. 2116

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	08/28/2002 00:54	Melissa D Mann	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	08/28/2002 00:54	Melissa D Mann	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/28/2002 00:54	Melissa D Mann	n.a.

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





Lancaster Laboratories Sample No. WW 3885473

Collected: 08/21/2002 15:45 by FT

Account Number: 10905

Submitted: 08/24/2002 09:25  
 Reported: 09/06/2002 at 19:04  
 Discard: 10/07/2002

ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

B-1-W-020821 Grab Water  
 Facility# 92506 Job# 385203 GRD  
 2630 Broadway-Oakland T0600101812 B-1

BO-B1

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.	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	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	6,500.	3.0	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 t-butyl ether	1634-04-4	6,500.	25.	ug/l	50
02011	di-Isopropyl ether	108-20-3	N.D. #	3.0	ug/l	5
02013	Ethyl t-butyl ether	637-92-3	16.	3.0	ug/l	5
02014	t-Amyl methyl ether	994-05-8	85.	3.0	ug/l	5
02015	t-Butyl alcohol	75-65-0	1,400.	100.	ug/l	5
05402	1,2-Dichloroethane	107-06-2	N.D. #	3.0	ug/l	5
05412	1,2-Dibromoethane	106-93-4	N.D. #	3.0	ug/l	5
The reporting limits for the GC/MS volatile compounds were raised because sample dilution was necessary to bring target compounds into the calibration range of the system.						

State of California Lab Certification No. 2116

### Laboratory Chronicle

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



Lancaster Laboratories, Inc.  
 Lancaster, PA 17605-2425  
 717-656-2300 Fax: 717-656-2681



Lancaster Laboratories Sample No. WW 3885473

Collected: 08/21/2002 15:45 by FT

Account Number: 10905

Submitted: 08/24/2002 09:25

Reported: 09/06/2002 at 19:04

Discard: 10/07/2002

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

B-1-W-020821 Grab Water

Facility# 92506 Job# 385203 GRD

2630 Broadway-Oakland T0600101812 B-1

BO-B1  
CAT

No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	08/28/2002 15:26		Melissa D Mann	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	08/28/2002 01:30		Melissa D Mann	10
08214	BTEX, MTBE (8021)	SW-846 8021B	1	08/28/2002 15:26		Melissa D Mann	1
01595	Oxygenates by 8260B	SW-846 8260B	1	08/29/2002 07:58		Nicole S Lamoreaux	50
01595	Oxygenates by 8260B	SW-846 8260B	1	08/29/2002 13:17		John B Kiser	5
01146	GC VOA Water Prep	SW-846 5030B	1	08/28/2002 15:26		Melissa D Mann	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/29/2002 13:17		John B Kiser	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	2	08/29/2002 07:58		Nicole S Lamoreaux	n.a.

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



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



Lancaster Laboratories Sample No. WW 3885474

Collected: 08/21/2002 14:53 by FT

Account Number: 10905

Submitted: 08/24/2002 09:25  
 Reported: 09/06/2002 at 19:04  
 Discard: 10/07/2002

ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

B-5-W-020821 Grab Water  
 Facility# 92506 Job# 385203 GRD  
 2630 Broadway-Oakland T0600101812 B-5

BO-B5

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.	1,800.	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	2.7	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	12.	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	330.	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	320.	3.0	ug/l	5
02011	di-Isopropyl ether	108-20-3	N.D.	2.	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	8.	2.	ug/l	1
02014	t-Amyl methyl ether	994-05-8	4.	2.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	100.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	2.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	2.	ug/l	1

State of California Lab Certification No. 2116

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	08/28/2002 02:05	Melissa D Mann	1

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





Lancaster Laboratories Sample No. WW 3885474

Collected: 08/21/2002 14:53 by FT

Account Number: 10905

Submitted: 08/24/2002 09:25

Reported: 09/06/2002 at 19:04

Discard: 10/07/2002

B-5-W-020821

Grab

Water

Facility# 92506 Job# 385203

GRD

2630 Broadway-Oakland T0600101812 B-5

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

BO-B5

08214	BTEX, MTBE (8021)	SW-846 8021B	1	08/28/2002 02:05	Melissa D Mann	1
01595	Oxygenates by 8260B	SW-846 8260B	1	08/29/2002 08:24	Nicole S Lamoreaux	5
01595	Oxygenates by 8260B	SW-846 8260B	1	08/29/2002 13:43	John B Kiser	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/28/2002 02:05	Melissa D Mann	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	2	08/29/2002 08:24	Nicole S Lamoreaux	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	3	08/29/2002 13:43	John B Kiser	n.a.

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



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



Lancaster Laboratories Sample No. WW 3885475

Collected: 08/21/2002 14:19 by FT

Account Number: 10905

Submitted: 08/24/2002 09:25  
 Reported: 09/06/2002 at 19:04  
 Discard: 10/07/2002

ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

B-7-W-020821 Grab Water  
 Facility# 92506 Job# 385203 GRD  
 2630 Broadway-Oakland T0600101812 B-7

BO-B7

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	2.6	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	2.	2.	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	2.	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	2.	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	2.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	100.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	2.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	2.	ug/l	1

State of California Lab Certification No. 2116

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	08/28/2002 02:41	Melissa D Mann	1

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



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



Lancaster Laboratories Sample No. WW 3885475

Collected: 08/21/2002 14:19 by FT

Account Number: 10905

Submitted: 08/24/2002 09:25

Reported: 09/06/2002 at 19:04

Discard: 10/07/2002

B-7-W-020821

Grab

Water

Facility# 92506 Job# 385203

GRD

2630 Broadway-Oakland

T0600101812 B-7

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

BO-B7

08214	BTEX, MTBE (8021)	SW-846 8021B	1	08/28/2002 02:41	Melissa D Mann	1
01595	Oxygenates by 8260B	SW-846 8260B	1	08/28/2002 18:57	John B Kiser	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/28/2002 02:41	Melissa D Mann	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/28/2002 18:57	John B Kiser	n.a.

#=Laboratory Method Detection Limit exceeded target detection limit  
N.D.=Not detected  
MEMBER



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



Lancaster Laboratories Sample No. **WW 3885476**

Collected: 08/21/2002 13:53 by FT

Account Number: 10905

Submitted: 08/24/2002 09:25

ChevronTexaco

Reported: 09/06/2002 at 19:05

6001 Bollinger Canyon Rd L4310

Discard: 10/07/2002

San Ramon CA 94583

B-8-W-020821 Grab Water  
 Facility# 92506 Job# 385203 GRD  
 2630 Broadway-Oakland T0600101812 B-8

BO-B8

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	12.	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	11.	2.	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	2.	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	2.	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	2.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	100.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	2.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	2.	ug/l	1

State of California Lab Certification No. 2116

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	08/28/2002 03:16	Melissa D Mann	1

#-Laboratory Method Detection Limit exceeded target detection limit  
 N.D.=Not detected  
 Lancaster Laboratories, Inc.  
 225 New Holland Pike  
 Lancaster, PA 17605-2425  
 717-656-2300 Fax: 717-656-2681







Lancaster Laboratories Sample No. WW 3885476

Collected: 08/21/2002 13:53 by FT

Account Number: 10905

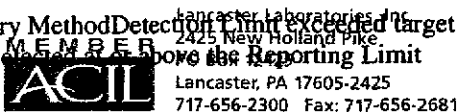
Submitted: 08/24/2002 09:25  
Reported: 09/06/2002 at 19:05  
Discard: 10/07/2002

ChevronTexaco  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

B-8-W-020821 Grab Water  
Facility# 92506 Job# 385203 GRD  
2630 Broadway-Oakland T0600101812 B-8

BO-B8							
08214	BTEX, MTBE (8021)	SW-846 8021B	1	08/28/2002 03:16	Melissa D Mann	1	
01595	Oxygenates by 8260B	SW-846 8260B	1	08/29/2002 03:35	Nicole S Lamoreaux	1	
01146	GC VOA Water Prep	SW-846 5030B	1	08/28/2002 03:16	Melissa D Mann	n.a.	
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/29/2002 03:35	Nicole S Lamoreaux	n.a.	

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





Lancaster Laboratories Sample No. **WW 3885477**

Collected: 08/21/2002 16:50 by FT

Account Number: 10905

Submitted: 08/24/2002 09:25

Reported: 09/06/2002 at 19:05

Discard: 10/07/2002

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

B-9-W-020821 Grab Water

Facility# 92506 Job# 385203 GRD

2630 Broadway-Oakland T0600101812 B-9

BO-B9

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.	280.	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	4.6	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	0.75	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	1.6	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	31.	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	37.	2.	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	2.	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	2.	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	2.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	100.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	2.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	2.	ug/l	1

State of California Lab Certification No. 2116

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	08/28/2002 03:52	Melissa D Mann	1

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



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



Lancaster Laboratories Sample No. WW 3885477

Collected: 08/21/2002 16:50 by FT

Account Number: 10905

Submitted: 08/24/2002 09:25

Reported: 09/06/2002 at 19:05

Discard: 10/07/2002

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

B-9-W-020821 Grab Water  
Facility# 92506 Job# 385203 GRD  
2630 Broadway-Oakland T0600101812 B-9

BO-B9

08214	BTEX, MTBE (8021)	SW-846 8021B	1	08/28/2002 03:52	Melissa D Mann	1
01595	Oxygenates by 8260B	SW-846 8260B	1	08/29/2002 04:01	Nicole S Lamoreaux	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/28/2002 03:52	Melissa D Mann	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/29/2002 04:01	Nicole S Lamoreaux	n.a.

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



2425 New Holland Pike  
Lancaster, PA 17605-2425  
717-656-2300 Fax: 717-656-2681



Lancaster Laboratories Sample No. **WW 3885478**

Collected: 08/21/2002 12:22 by FT

Account Number: 10905

Submitted: 08/24/2002 09:25

Reported: 09/06/2002 at 19:05

Discard: 10/07/2002

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

B-10-W-020821

Grab

Water

Facility# 92506

Job# 385203

GRD

2630 Broadway-Oakland

T0600101812 B-10

BO-10

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.						
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
05402	1,2-Dichloroethane	107-06-2	N.D.	2.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	2.	ug/l	1

State of California Lab Certification No. 2116

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	08/28/2002 04:27	Melissa D Mann	1

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



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



Lancaster Laboratories Sample No. WW 3885478

Collected: 08/21/2002 12:22 by FT

Account Number: 10905

Submitted: 08/24/2002 09:25

Reported: 09/06/2002 at 19:05

Discard: 10/07/2002

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

B-10-W-020821 Grab Water

Facility# 92506 Job# 385203 GRD

2630 Broadway-Oakland T0600101812 B-10

BO-10

08214	BTEX, MTBE (8021)	SW-846 8021B	1	08/28/2002 04:27	Melissa D Mann	1
01595	Oxygenates by 8260B	SW-846 8260B	1	08/29/2002 04:28	Nicole S Lamoreaux	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/28/2002 04:27	Melissa D Mann	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/29/2002 04:28	Nicole S Lamoreaux	n.a.

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



2425 New Holland Pike  
Lancaster, PA 17605-2425  
717-656-2300 Fax: 717-656-2681



Lancaster Laboratories Sample No. WW 3885479

Collected: 08/21/2002 11:43 by FT

Account Number: 10905

Submitted: 08/24/2002 09:25  
 Reported: 09/06/2002 at 19:05  
 Discard: 10/07/2002

ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

B-11-W-020821 Grab Water  
 Facility# 92506 Job# 385203 GRD  
 2630 Broadway-Oakland T0600101812 B-11

BO-11

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.						
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
05402	1,2-Dichloroethane	107-06-2	N.D.	2.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	2.	ug/l	1

State of California Lab Certification No. 2116

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	08/28/2002 05:03	Melissa D Mann	1

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



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



Lancaster Laboratories Sample No. WW 3885479

Collected: 08/21/2002 11:43 by FT

Account Number: 10905

Submitted: 08/24/2002 09:25

Reported: 09/06/2002 at 19:05

Discard: 10/07/2002

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

B-11-W-020821 Grab Water  
Facility# 92506 Job# 385203 GRD  
2630 Broadway-Oakland T0600101812 B-11

BO-11							
08214	BTEX, MTBE (8021)	SW-846 8021B	1	08/28/2002 05:03	Melissa D Mann	1	
01595	Oxygenates by 8260B	SW-846 8260B	1	08/29/2002 04:54	Nicole S Lamoreaux	1	
01146	GC VOA Water Prep	SW-846 5030B	1	08/28/2002 05:03	Melissa D Mann	n.a.	
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/29/2002 04:54	Nicole S Lamoreaux	n.a.	

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



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



Lancaster Laboratories Sample No. WW 3885480

Collected: 08/21/2002 11:10 by FT

Account Number: 10905

Submitted: 08/24/2002 09:25

ChevronTexaco

Reported: 09/06/2002 at 19:05

6001 Bollinger Canyon Rd L4310

Discard: 10/07/2002

San Ramon CA 94583

B-12-W-020821 Grab Water  
 Facility# 92506 Job# 385203 GRD  
 2630 Broadway-Oakland T0600101812 B-12

BO-12

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.	58.	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.						
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
05402	1,2-Dichloroethane	107-06-2	N.D.	2.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	2.	ug/l	1

State of California Lab Certification No. 2116

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	08/29/2002 20:35	Matthew E Barton	1

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







Lancaster Laboratories Sample No. **WW 3885480**

Collected: 08/21/2002 11:10 by FT

Account Number: 10905

Submitted: 08/24/2002 09:25

Reported: 09/06/2002 at 19:05

Discard: 10/07/2002

B-12-W-020821

Grab

Water

Facility# 92506 Job# 385203

GRD

2630 Broadway-Oakland

T0600101812 B-12

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

BO-12

08214	BTEX, MTBE (8021)	SW-846 8021B	1	08/29/2002 20:35	Matthew E Barton	1
01595	Oxygenates by 8260B	SW-846 8260B	1	08/29/2002 05:20	Nicole S Lamoreaux	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/29/2002 20:35	Matthew E Barton	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/29/2002 05:20	Nicole S Lamoreaux	n.a.

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



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



## Lancaster Laboratories

*Where quality is a science.*

### Quality Control Summary

Client Name: ChevronTexaco  
Reported: 09/06/02 at 07:05 PM

Group Number: 820244

#### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCS/LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 02239A56A      Sample number(s): 3885472-3885479								
Benzene	N.D.	.2	ug/l	97	99	80-118	2	30
Toluene	N.D.	.2	ug/l	96	99	82-119	3	30
Ethylbenzene	N.D.	.2	ug/l	96	101	81-119	4	30
Total Xylenes	N.D.	.6	ug/l	98	101	82-120	4	30
Methyl tert-Butyl Ether	N.D.	.3	ug/l	106	101	79-127	5	30
TPH-GRO - Waters	N.D.	50.	ug/l	99	95	74-116	4	30
Batch number: 02239A56B      Sample number(s): 3885473								
Benzene	N.D.	.2	ug/l	97	99	80-118	2	30
Toluene	N.D.	.2	ug/l	96	99	82-119	3	30
Ethylbenzene	N.D.	.2	ug/l	96	101	81-119	4	30
Total Xylenes	N.D.	.6	ug/l	98	101	82-120	4	30
TPH-GRO - Waters	N.D.	50.	ug/l	99	95	74-116	4	30
Batch number: 02241A16A      Sample number(s): 3885480								
Benzene	N.D.	.2	ug/l	98	98	80-118	0	30
Toluene	N.D.	.2	ug/l	94	94	82-119	0	30
Ethylbenzene	N.D.	.2	ug/l	89	89	81-119	0	30
Total Xylenes	N.D.	.6	ug/l	93	93	82-120	0	30
Methyl tert-Butyl Ether	N.D.	.3	ug/l	89	91	79-127	2	30
TPH-GRO - Waters	N.D.	50.	ug/l	105	104	74-116	1	30
Batch number: N022401AA      Sample number(s): 3885475								
Methyl t-butyl ether	N.D.	.5	ug/l	99		77-127		
di-Isopropyl ether	N.D.	.5	ug/l	109		74-125		
Ethyl t-butyl ether	N.D.	.5	ug/l	100		74-120		
t-Amyl methyl ether	N.D.	.5	ug/l	98		71-114		
t-Butyl alcohol	N.D.	.5	ug/l	103		59-139		
1,2-Dichloroethane	N.D.	.5	ug/l	99		77-132		
1,2-Dibromoethane	N.D.	.5	ug/l	99		81-114		
Batch number: N022411AA      Sample number(s): 3885473-3885474,3885476-3885480								
Methyl t-butyl ether	N.D.	.5	ug/l	99		77-127		
di-Isopropyl ether	N.D.	.5	ug/l	106		74-125		
Ethyl t-butyl ether	N.D.	.5	ug/l	91		74-120		
t-Amyl methyl ether	N.D.	.5	ug/l	92		71-114		
t-Butyl alcohol	N.D.	.5	ug/l	101		59-139		
1,2-Dichloroethane	N.D.	.5	ug/l	101		77-132		
1,2-Dibromoethane	N.D.	.5	ug/l	93		81-114		
Batch number: N022411AB      Sample number(s): 3885473-3885474								
di-Isopropyl ether	N.D.	.5	ug/l	106		74-125		
Ethyl t-butyl ether	N.D.	.5	ug/l	91		74-120		
t-Amyl methyl ether	N.D.	.5	ug/l	92		71-114		
t-Butyl alcohol	N.D.	.5	ug/l	101		59-139		
1,2-Dichloroethane	N.D.	.5	ug/l	101		77-132		
1,2-Dibromoethane	N.D.	.5	ug/l	93		81-114		

#### Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	BKG MAX	DUP CONC	DUP RPD	Dup RPD Max
Batch number: 02239A56A      Sample number(s): 3885472-3885479								
Benzene	104		83-130					

\*- 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  
 Reported: 09/06/02 at 07:05 PM

Group Number: 820244

### Sample Matrix Quality Control

Analysis Name	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup RPD
	%REC	%REC	Limits	RPD	MAX	Conc	Conc	Max
Toluene	104		87-129					
Ethylbenzene	106		86-133					
Total Xylenes	106		86-132					
Methyl tert-Butyl Ether	104		66-140					
TPH-GRO - Waters	103		74-132					

Batch number: 02239A56B	Sample number(s): 3885473
Benzene	104 83-130
Toluene	104 87-129
Ethylbenzene	106 86-133
Total Xylenes	106 86-132
TPH-GRO - Waters	103 74-132

Batch number: 02241A16A	Sample number(s): 3885480
Benzene	111 83-130
Toluene	107 87-129
Ethylbenzene	100 86-133
Total Xylenes	103 86-132
Methyl tert-Butyl Ether	99 66-140
TPH-GRO - Waters	113 74-132

Batch number: N022401AA	Sample number(s): 3885475
Methyl t-butyl ether	100 101 69-134 1 30
di-Isopropyl ether	111 112 68-133 1 30
Ethyl t-butyl ether	102 103 73-123 2 30
t-Amyl methyl ether	100 100 69-118 0 30
t-Butyl alcohol	87 88 51-148 1 30
1,2-Dichloroethane	102 101 73-136 1 30
1,2-Dibromoethane	97 99 78-120 1 30

Batch number: N022411AA	Sample number(s): 3885473-3885474, 3885476-3885480
Methyl t-butyl ether	99 101 69-134 2 30
di-Isopropyl ether	111 110 68-133 1 30
Ethyl t-butyl ether	95 94 73-123 0 30
t-Amyl methyl ether	95 96 69-118 1 30
t-Butyl alcohol	97 102 51-148 4 30
1,2-Dichloroethane	105 103 73-136 1 30
1,2-Dibromoethane	96 97 78-120 1 30

Batch number: N022411AB	Sample number(s): 3885473-3885474
di-Isopropyl ether	111 110 68-133 1 30
Ethyl t-butyl ether	95 94 73-123 0 30
t-Amyl methyl ether	95 96 69-118 1 30
t-Butyl alcohol	97 102 51-148 4 30
1,2-Dichloroethane	105 103 73-136 1 30
1,2-Dibromoethane	96 97 78-120 1 30

### Surrogate Quality Control

Analysis Name: TPH-GRO - Waters  
 Batch number: 02239A56A  
 Trifluorotoluene-F                      Trifluorotoluene-P

3885472	89	94
3885474	98	99
3885475	90	94

\*- Outside of specification

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## Lancaster Laboratories

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### Quality Control Summary

Client Name: ChevronTexaco  
Reported: 09/06/02 at 07:05 PM

Group Number: 820244

#### Surrogate Quality Control

3885476	89	94
3885477	95	76
3885478	85	94
3885479	89	94
Blank	91	95
LCS	101	95
LCSD	107	94
MS	100	94

Limits: 57-146 71-130

Analysis Name: TPH-GRO - Waters

Batch number: 02239A56B

Trifluorotoluene-F

Trifluorotoluene-P

3885473	87	92
Blank	90	94
LCS	101	95
LCSD	107	94
MS	100	94

Limits: 57-146 71-130

Analysis Name: TPH-GRO - Waters

Batch number: 02241A16A

Trifluorotoluene-F

Trifluorotoluene-P

3885480	98	96
Blank	99	95
LCS	114	95
LCSD	114	95
MS	111	97

Limits: 57-146 71-130

Analysis Name: Oxygenates by 8260B

Batch number: N022401AA

Dibromofluoromethane

1,2-Dichloroethane-d4

Toluene-d8

4-Bromofluorobenzene

3885475	98	96	95	92
Blank	93	93	98	92
LCS	94	94	99	98
MS	94	94	98	97
MSD	93	93	99	98

Limits: 86-118 80-120 88-110 86-115

Analysis Name: Oxygenates by 8260B

Batch number: N022411AA

Dibromofluoromethane

1,2-Dichloroethane-d4

Toluene-d8

4-Bromofluorobenzene

3885476	99	93	95	92
3885477	96	92	94	95
3885478	98	94	95	93
3885479	99	97	95	93
3885480	100	96	94	94
Blank	98	96	96	93
LCS	96	96	97	98
MS	97	96	97	98
MSD	97	95	98	98

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.
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### Quality Control Summary

Page 4 of 4

Client Name: ChevronTexaco  
Reported: 09/06/02 at 07:05 PM

Group Number: 820244

### Surrogate Quality Control

Analysis Name: Oxygenates by 8260B  
Batch number: N022411AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
3885473	97	94	98	92
3885474	96	94	98	98
Blank	98	94	98	94
LCS	96	96	97	98
MS	97	96	97	98
MSD	97	95	98	98
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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