

Environmental Management
Company
6001 Bollinger Canyon Rd, K2256
P.O. Box 6012
San Ramon, CA 94583-2324
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Karen Streich
Project Manager

Ro 221 J

ChevronTexaco

December 23, 2004

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

Alameda County
REC 2 6 2004
Environmental Health Services

Re: Chevron Service Station #9-0338

Address: 5500 telegraph Avenue, Oakland, CA

I have reviewed the attached routine groundwater monitoring report dated December 2, 2004.

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

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

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

Sincerely,



Karen Streich
Project Manager

Enclosure: Report



GETTLER-RYAN INC.

TRANSMITTAL

December 2, 2004

G-R #386456

RECEIVED
DEC 2 3 2004
PROJECT COORDINATOR

TO: Mr. Bruce H. Eppler
Cambria Environmental Technology, Inc.
4111 Citrus Avenue, Suite 12
Rocklin, California 95677

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

RE: **Chevron Service Station**
#9-0338
5500 Telegraph Avenue
Oakland, California
MTI: 61D-1957
RO 0000221

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
2	December 1, 2004	Groundwater Monitoring and Sampling Report Fourth Quarter - Event of November 5, 2004

COMMENTS:

Pursuant to your request, we are providing you with copies of the above referenced report for **your use and distribution to the following:**

Ms. Karen Streich, ChevronTexaco Company, P.O. Box 6012, Room K2256, San Ramon, CA 94583

Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to **December 22, 2004**, at which time the final report will be distributed to the following:

cc: Mr. Barney Chan, Alameda County Health Care Services, Dept. of Environmental Health, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577

Enclosures

trans/9-0338-KS



GETTLER - RYAN INC.

December 1, 2004
G-R Job #386456

Ms. Karen Streich
ChevronTexaco Company
P.O. Box 6012, Room K2256
San Ramon, CA 94583

RE: Fourth Quarter Event of November 5, 2004
Groundwater Monitoring & Sampling Report
Chevron Service Station #9-0338
5500 Telegraph 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.

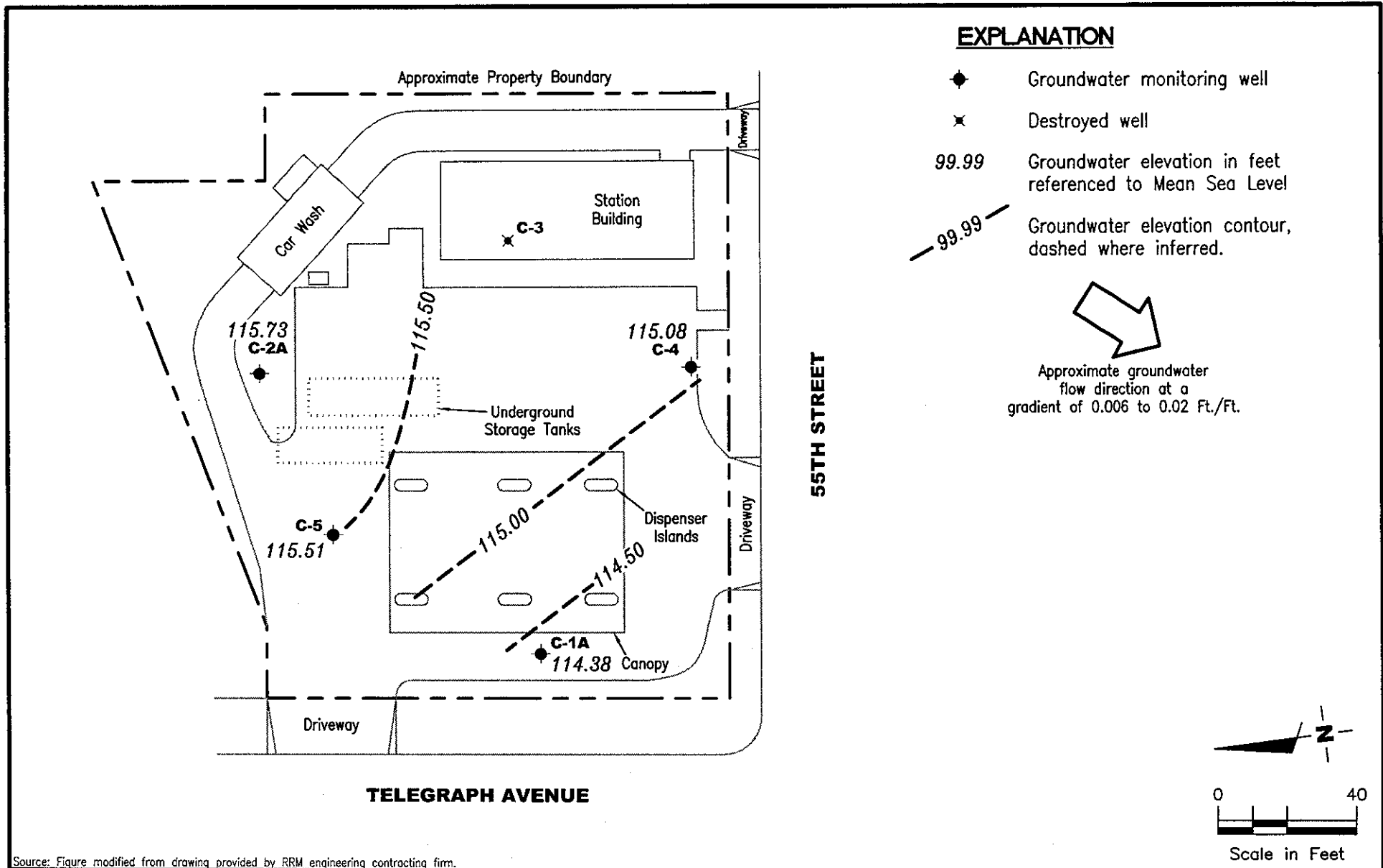
Sincerely,

Deanna L. Harding
Project Coordinator

Hagop Kevork
P.E. No. C55734



Figure 1: Potentiometric Map
Table 1: Groundwater Monitoring Data and Analytical Results
Table 2: Groundwater Analytical Results – Oxygenate Compounds
Table 3: Groundwater Analytical Results
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
 Chevron Service Station #9-0338
 5500 Telegraph Avenue
 Oakland, California

FIGURE
1

PROJECT NUMBER
386456

REVIEWED BY

DATE
 November 5, 2004

REVISED DATE

FILE NAME: P:\Enviro\Chevron\9-0338\004-9-0338.DWG | Layout Tab: Pot4

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-0338
5500 Telegraph Avenue
Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msf)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-1A									
05/27/99	123.27	115.93	7.34	9,100	40	25	560	1,900	35
09/02/99	123.27	115.72	7.55	9,700	24	18.4	626	754	66
10/27/99	123.27	115.84	7.43	4,740	<10	<10	276	270	<100/66.6 ²
02/11/00	123.27	115.27	8.00	5,100	17.5	<10	182	333	<50
05/10/00	123.27	116.65	6.62	11,000 ¹	110	170	480	980	<500
07/27/00	123.27	115.14	8.13	6,200 ¹	<50	<50	540	150	<250
11/21/00	123.27	115.60	7.67	6,500 ¹	19	<10	450	360	<50
02/05/01	123.27	115.91	7.36	5,270	1.43	1.04	326	269	15.0
05/07/01	123.27	115.90	7.37	3,000 ¹	37	27	520	490	63
08/06/01	123.27	115.15	8.12	3,300 ¹	3.1	3.8	160	100	47
11/12/01	123.27	116.42	6.85	5,100	1.9	<2.0	230	230	3.1
02/11/02	123.27	114.99	8.28	820	1.3	<0.50	21	7.7	5.7/4 ³
05/13/02	123.27	114.30	8.97	1,800	<1.0	<0.50	26	8.6	7.5
08/09/02	123.27	114.33	8.94	2,100	1.7	<5.0	29	<20	<2.5
11/07/02	123.27	114.37	8.90	2,600	<2.0	1.0	13	54	7.9
02/04/03	123.27	115.47	7.80	640	<2.0	<2.0	4.4	6.3	7.8
05/05/03	123.27	115.84	7.43	980	<2.0	0.5	19	10	7.3
08/28/03 ⁵	123.27	114.16	9.11	2,100	<0.5	<0.5	7	4	7
11/26/03 ⁵	123.27	113.74	9.53	490	<0.5	<0.5	<0.5	<0.5	11
02/25/04 ⁵	123.27	116.41	6.86	<50	<0.5	<0.5	<0.5	3	3
05/22/04 ⁵	123.27	114.15	9.12	110	<0.5	<0.5	<0.5	<0.5	6
08/20/04 ⁵	123.27	114.06	9.21	700	<0.5	<0.5	17	<0.5	4
11/05/04 ⁵	123.27	114.38	8.89	330	<0.5	<0.5	<0.5	<0.5	9
C-2A									
05/27/99	125.89	119.53	6.36	<50	<0.5	<0.5	<0.5	<0.5	44
09/02/99	125.89	117.04	8.85	<50	<0.5	<0.5	<0.5	<0.5	<2.5
10/27/99	125.89	116.65	9.24	<50	<0.5	<0.5	<0.5	<0.5	8.75/7.77 ²
02/11/00	125.89	117.64	8.25	<50	<0.5	<0.5	<0.5	<0.5	17.8
05/10/00	125.89	117.46	8.43	<50	<0.50	<0.50	<0.50	<0.50	3.2
07/27/00	125.89	116.34	9.55	<50	<0.50	<0.50	<0.50	<0.50	20
11/21/00	125.89	116.39	9.50	<50	<0.50	<0.50	<0.50	<0.50	<50

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-0338
5500 Telegraph Avenue
Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-2A (cont)									
02/05/01	125.89	116.50	9.39	<50.0	<0.500	<0.500	<0.500	<0.500	3.36
05/07/01	125.89	116.29	9.60	<50	<0.50	<0.50	<0.50	<0.50	<2.5
08/06/01	125.89	115.72	10.17	<50	<0.50	0.59	<0.50	1.4	12
11/12/01	125.89	115.28	10.61	<50	<0.50	<0.50	<0.50	<1.5	3.4
02/11/02	125.89	117.31	8.58	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 ³
05/13/02	125.89	115.76	10.13	1,100	17	83	21	99	29
08/09/02	125.89	116.76	9.13	<50	<0.50	<0.50	<0.50	<1.5	<2.5
11/07/02	125.89	114.37	11.52	<50	<0.50	<0.50	<0.50	<1.5	7.5
02/04/03	125.89	116.87	9.02	<50	<0.50	<0.50	<0.50	<1.5	<2.5
05/05/03	125.89	116.61	9.28	<50	<0.5	<0.5	<0.5	<1.5	<2.5
08/28/03 ⁵	125.89	114.98	10.91	<50	<0.5	<0.5	<0.5	<0.5	1
11/26/03 ⁵	125.89	114.73	11.16	<50	<0.5	<0.5	<0.5	<0.5	3
02/25/04 ⁵	125.89	117.47	8.42	<50	<0.5	<0.5	<0.5	<0.5	0.5
05/22/04 ⁵	125.89	115.68	10.21	<50	<0.5	<0.5	<0.5	<0.5	2
08/20/04 ⁵	125.89	114.91	10.98	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/05/04 ⁵	125.89	115.73	10.16	<50	<0.5	<0.5	<0.5	<0.5	5
C-4									
05/27/99	125.40	115.34	10.06	<50	<0.5	<0.5	<0.5	<0.5	44
09/02/99	125.40	114.89	10.51	<50	<0.5	<0.5	<0.5	<0.5	3.1
10/27/99	125.40	115.03	10.37	<50	<0.5	<0.5	<0.5	<0.5	<5.0/<2.0 ²
02/11/00	125.40	114.48	10.92	<50	<0.5	<0.5	<0.5	<0.5	2.79
05/10/00	125.40	116.28	9.12	<50	<0.50	<0.50	<0.50	<0.50	<2.5
07/27/00	125.40	113.50	11.90	<50	<0.50	<0.50	<0.50	<0.50	<2.5
11/21/00	125.40	113.76	11.64	<50	<0.50	<0.50	<0.50	<0.50	<2.5
02/05/01	125.40	115.21	10.19	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
05/07/01	125.40	114.45	10.95	<50	<0.50	<0.50	<0.50	<0.50	<2.5
08/06/01	125.40	113.75	11.65	<50	<0.50	0.52	<0.50	1.1	3.2
11/12/01	125.40	113.69	11.71	<50	<0.50	<0.50	<0.50	<1.5	<2.5
02/11/02 ⁴	125.40	114.45	10.95	<50	<0.50	<0.50	<0.50	<1.5	72/62 ³
05/13/02	125.40	113.64	11.76	<50	<0.50	<0.50	<0.50	<1.5	21
08/09/02	125.40	114.50	10.90	<50	<0.50	<0.50	<0.50	<1.5	4.9

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-0338
5500 Telegraph Avenue
Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msf)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-4 (cont)									
11/07/02	125.40	113.72	11.68	<50	<0.50	<0.50	<0.50	<1.5	<2.5
02/04/03	125.40	114.44	10.96	<50	<0.50	<0.50	<0.50	<1.5	81
05/05/03	125.40	114.25	11.15	<50	<0.5	<0.5	<0.5	<1.5	120
08/28/03 ⁵	125.40	114.19	11.21	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/26/03 ⁵	125.40	113.40	12.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
02/25/04 ⁵	125.40	114.51	10.89	<50	<0.5	<0.5	<0.5	<0.5	16
05/22/04 ⁵	125.40	114.29	11.11	<50	<0.5	<0.5	<0.5	<0.5	1
08/20/04 ⁵	125.40	113.36	12.04	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/05/04 ⁵	125.40	115.08	10.32	<50	<0.5	<0.5	<0.5	<0.5	0.7
C-5									
05/27/99	124.15	117.54	6.61	2,800	350	73	32	280	2,200/2,500 ²
09/02/99	124.15	116.27	7.88	570	9.0	<2.5	<2.5	<2.5	890
10/27/99	124.15	116.90	7.25	543	4.22	<0.5	3.28	<0.5	845/1,080 ²
02/11/00	124.15	117.41	6.74	488	0.56	<0.5	1.45	<0.5	565
05/10/00	124.15	118.36	5.79	140 ¹	3.6	1.2	0.53	2.0	380
07/27/00	124.15	116.92	7.23	260 ¹	1.4	1.2	0.93	2.8	460
11/21/00	124.15	117.47	6.68	130 ¹	0.74	0.73	<0.50	<0.50	350
02/05/01	124.15	117.74	6.41	111	<1.00	<1.00	<1.00	<1.00	197
05/07/01	124.15	117.91	6.24	100 ¹	2.1	1.0	<0.50	0.80	210
08/06/01	124.15	116.74	7.41	94 ¹	0.84	1.2	0.54	1.5	360
11/12/01	124.15	116.82	7.33	58	<0.50	<0.50	<0.50	<1.5	280
02/11/02	124.15	117.90	6.25	<50	<0.50	<0.50	<0.50	<1.5	150/140 ³
05/13/02	124.15	116.13	8.02	79	7.7	1.2	2.6	5.5	180
08/09/02	124.15	113.13	11.02	<50	<0.50	<0.50	<0.50	<1.5	220
11/07/02	124.15	114.51	9.64	<50	<0.50	<0.50	<0.50	<1.5	300
02/04/03	124.15	117.07	7.08	2,300	210	4.4	250	53	490
05/05/03	124.15	116.63	7.52	350	18	1.7	22	10	620
08/28/03 ⁵	124.15	115.25	8.90	59	3	<0.5	4	7	470
11/26/03 ⁵	124.15	114.49	9.66	190	14	0.5	15	20	640
02/25/04 ⁵	124.15	116.54	7.61	<50	0.9	<0.5	4	<0.5	140

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-0338
5500 Telegraph Avenue
Oakland, California

WELL ID/ DATE	TOC (fl.)	GWE (msl)	DTW (fl.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-5 (cont)									
05/22/04 ^s	124.15	115.93	8.22	640	90	3	56	73	860
08/20/04 ^s	124.15	114.50	9.65	<50	<0.5	<0.5	<0.5	<0.5	340
11/05/04 ^s	124.15	115.51	8.64	1,400	84	3	120	160	780
TRIP BLANK									
05/27/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/02/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
10/27/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
02/11/00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
05/10/00	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
07/27/00	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
11/21/00	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
02/05/01	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
05/07/01	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
08/06/01	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
QA									
11/12/01	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
02/11/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
05/13/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
08/09/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
11/07/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
02/04/03	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
05/05/03	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
08/28/03 ^s	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/26/03 ^s	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
02/25/04 ^s	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
05/22/04 ^s	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
08/20/04 ^s	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/05/04 ^s	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-0338
5500 Telegraph Avenue
Oakland, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to May 10, 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

TPH-G = Total Petroleum Hydrocarbons as Gasoline

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes

MTBE = Methyl tertiary butyl ether

(ppb) = Parts per billion

-- = Not Measured/Not Analyzed

QA = Quality Assurance/Trip Blank

¹ Laboratory report indicates gasoline C6-C12.

² Confirmation run.

³ MTBE by EPA Method 8260.

⁴ Total Petroleum Hydrocarbons as Diesel (TPH-D) was less than the reporting limit.

⁵ BTEX and MTBE by EPA Method 8260.

Table 2
Groundwater Analytical Results - Oxygenate Compounds
Chevron Service Station #9-0338
5500 Telegraph Avenue
Oakland, California

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)
C-1A	02/11/02	--	<100	4	<2	<2	<2
	08/28/03	<50	--	7	--	--	--
	11/26/03	<50	--	11	--	--	--
	02/25/04	<50	--	3	--	--	--
	05/22/04	<50	--	6	--	--	--
	08/20/04	<50	<5	4	<0.5	<0.5	<0.5
	11/05/04	<50	<5	9	<0.5	<0.5	<0.5
C-2A	02/11/02	--	<100	<2	<2	<2	<2
	08/28/03	<50	--	1	--	--	--
	11/26/03	<50	--	3	--	--	--
	02/25/04	<50	--	0.5	--	--	--
	05/22/04	<50	--	2	--	--	--
	08/20/04	<50	<5	<0.5	<0.5	<0.5	<0.5
	11/05/04	<50	<5	5	<0.5	<0.5	<0.5
C-4	02/11/02	--	<100	62	<2	<2	<2
	08/28/03	<50	--	<0.5	--	--	--
	11/26/03	<50	--	<0.5	--	--	--
	02/25/04	<50	--	16	--	--	--
	05/22/04	<50	--	1	--	--	--
	08/20/04	<50	<5	<0.5	<0.5	<0.5	<0.5
	11/05/04	<50	<5	0.7	<0.5	<0.5	<0.5
C-5	02/11/02	--	<100	140	<2	<2	<2
	08/28/03	<50	--	470	--	--	--
	11/26/03	<50	--	640	--	--	--
	02/25/04	<50	--	140	--	--	--

Table 2
Groundwater Analytical Results - Oxygenate Compounds
 Chevron Service Station #9-0338
 5500 Telegraph Avenue
 Oakland, California

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)
C-5	05/22/04	<50	--	860	--	--	--
(cont)	08/20/04	<50	<5	340	<0.5	<0.5	2
	11/05/04	<50	23	780	<0.5	<0.5	5

Table 2
Groundwater Analytical Results - Oxygenate Compounds
Chevron Service Station #9-0338
5500 Telegraph Avenue
Oakland, California

EXPLANATIONS:

TBA = Tertiary butyl alcohol
MTBE = Methyl tertiary butyl ether
DIPE = Di-isopropyl ether
ETBE = Ethyl tertiary butyl ether
TAME = Tertiary amyl methyl ether
(ppb) = Parts per billion
-- = Not Analyzed

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds

Table 3
Groundwater Analytical Results
 Chevron Service Station #9-0338
 5500 Telegraph Avenue
 Oakland, California

WELL ID	DATE	Cadmium (ppb)	Chromium (ppb)	Lead (ppb)	Nickel (ppb)	Zinc (ppb)	TOG (ppb)	HVOCs (ppb)
C-4	02/11/02	<10.0	80.5	16.7	126	143	<320	<0.20-<0.50

EXPLANATIONS:

TOG = Total Oil and Grease

HVOCs = Halogenated Volatile Organic Compounds

(ppb) = Parts per billion

Note: All HVOCs were not detected (ND) unless otherwise noted.

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

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

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

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

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

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

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

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



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0338
 Site Address: 5500 Telegraph Avenue
 City: Oakland, CA

Job Number: 386456
 Event Date: 11/5/04 (inclusive)
 Sampler: K. Kelly

Well ID: C-1A Date Monitored: 11/5/04 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 19.44 ft.
 Depth to Water: 8.89 ft.
10.55 xVF 0.17 = 1.79 x3 case volume = Estimated Purge Volume: 5.38 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

Purge Equipment:

Disposable Bailer
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Other: _____

Sampling Equipment:

Disposable Bailer
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

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

Start Time (purge): 1019 Weather Conditions: clear
 Sample Time/Date: 1030 11/5/04 Water Color: clear Odor: none
 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 (°F)	D.O. (mg/L)	ORP (mV)
<u>1021</u>	<u>1.5</u>	<u>7.16</u>	<u>678</u>	<u>16.8</u>		
<u>1024</u>	<u>3.0</u>	<u>6.89</u>	<u>671</u>	<u>18.7</u>		
<u>1027</u>	<u>5.0</u>	<u>7.06</u>	<u>697</u>	<u>18.0</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>C-1A</u>	<u>6</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8260)/ 5 OXYS+ETHANOL(8260)</u>

COMMENTS:

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0338 Job Number: 386456
 Site Address: 5500 Telegraph Avenue Event Date: 11/5/04 (inclusive)
 City: Oakland, CA Sampler: K. Kelly

Well ID: C-2A Date Monitored: 11/5/04 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 20.22 ft.
 Depth to Water: 10.16 ft.
10.06 xVF 0.12 = 1.71 x3 case volume = Estimated Purge Volume: 5.13 gal.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.36
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

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

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

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

Start Time (purge): 1105 Weather Conditions: clear
 Sample Time/Date: 1120 11/5/04 Water Color: clear Odor: no
 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 (°F)	D.O. (mg/L)	ORP (mV)
<u>1107</u>	<u>1.5</u>	<u>7.72</u>	<u>720</u>	<u>17.1</u>	_____	_____
<u>1110</u>	<u>3.0</u>	<u>7.58</u>	<u>741</u>	<u>19.0</u>	_____	_____
<u>1114</u>	<u>5.0</u>	<u>7.41</u>	<u>743</u>	<u>18.4</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>C-2A</u>	<u>6 x vva vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8260)/ 5 OXYS+ETHANOL(8260)</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: _____

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0338 Job Number: 386456
 Site Address: 5500 Telegraph Avenue Event Date: 11/5/04 (inclusive)
 City: Oakland, CA Sampler: K. Knepp

Well ID: C-4 Date Monitored: 11/5/04 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 19.46 ft.
 Depth to Water: 10.32 ft.
9.14 xVF 0.69 = 1.55 x3 case volume = Estimated Purge Volume: 4.66 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

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

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

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

Start Time (purge): 0958 Weather Conditions: clear
 Sample Time/Date: 1015 11/5/04 Water Color: _____ Odor: 10
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? 10 If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1001</u>	<u>1.5</u>	<u>7.29</u>	<u>300</u>	<u>10.0</u>	_____	_____
<u>1003</u>	<u>3.0</u>	<u>6.97</u>	<u>613</u>	<u>17.8</u>	_____	_____
<u>1006</u>	<u>5.0</u>	<u>6.78</u>	<u>605</u>	<u>18.5</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>C-4</u>	<u>6</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8260)/ 5 OXYS+ETHANOL(8260)</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: _____

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0338 Job Number: 386456
 Site Address: 5500 Telegraph Avenue Event Date: 11/5/04 (inclusive)
 City: Oakland, CA Sampler: K. Kelly

Well ID: C-5 Date Monitored: 11/5/04 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 20.16 ft.
 Depth to Water: 8.64 ft.
11.52 xVF 0.17 = 1.95 x3 case volume = Estimated Purge Volume: 5.87 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

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

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

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

Start Time (purge): 1043 Weather Conditions: Clear
 Sample Time/Date: 1100 11/5/04 Water Color: Clear Odor: NO
 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 (°F)	D.O. (mg/L)	ORP (mV)
<u>1046</u>	<u>2.0</u>	<u>7.17</u>	<u>1261</u>	<u>16.3</u>	_____	_____
<u>1049</u>	<u>4.0</u>	<u>6.90</u>	<u>1316</u>	<u>18.9</u>	_____	_____
<u>1053</u>	<u>6.0</u>	<u>6.82</u>	<u>1287</u>	<u>18.8</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>C-5</u>	<u>6 x vva vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8260)/ 5 OXYS+ETHANOL(8260)</u>

COMMENTS: _____

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

Chevron California Region Analysis Request/Chain of Custody



111004-02

Acc. #: 10904 For Lancaster Laboratories use only
 Sample #: 4402310-14 / 920349 SCR#:

MTI# 610-1957

Analyses Requested

Facility #: ~~SS# 9-0338~~ G-R# 386456 Global ID T0600100347
 Site Address: 5500 TELEGRAPH AVENUE, Oakland, CA
 Chevron PM: MTL Lead Consultant: CAMBRIA
 Consultant/Office: G-R, Inc., 6747 Sierra Court Suite J Dublin, CA 94568
 Consultant Prj. Mgr.: Deanna L. Harding (deanna@grinc.com)
 Consultant Phone #: 925 551 7558 Fax #: 925 551-7899
 Sampler: Kristina Kelly
 Service Order #: Non SAR:

Matrix		Preservation Codes									
		H	H			H					
Soil	Water	BTEX + MTBE 8260/8201									
		TPH 8015 MOD GRO									
Oil	Air	TPH 8015 MOD DRO									
		8280 full scan									
Composite		5 Oxygenates + 5THAAK (2-6)									
Total Number of Containers		Lead 7420									

Preservative Codes
 H = HCl T = Thiosulfate
 N = HNO₃ B = NaOH
 S = H₂SO₄ O = Other

J value reporting needed
 Must meet lowest detection limits possible for 8280 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	Soil	Water	Oil	Air	Total Number of Containers
QA	11-5-04								2
C-1A		1030	X						6
C-2A		1120	X						6
C-4		1015	X						6
C-5		1100	X						6

Comments / Remarks

Turnaround Time Requested (TAT) (please circle)

STD. TAT 72 hour 48 hour
 24 hour 4 day 5 day

Relinquished by: Kristina Kelly Date: 11/5/04 Time: 1530
 Received by: _____ Date: _____ Time: _____

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: _____ Date: 11/10/04 Time: _____
 Received by: Les Metzger Date: 11/10/04 Time: 1100

Relinquished by: Les Metzger Date: 11/10/04 Time: 1600
 Received by: DHL Date: _____ Time: _____

Relinquished by Commercial Carrier: _____
 UPS _____ FedEx _____ Other _____
 Received by: Shawn Shred Date: 11-10-04 Time: 0900

Temperature Upon Receipt: 25-26°
 Custody Seals Intact? Yes No

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco c/o Cambria Env.
Suite 9
4111 Citrus Avenue
Rocklin CA 95677
916-630-1855

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 920349. Samples arrived at the laboratory on Thursday, November 11, 2004. The PO# for this group is 99011184 and the release number is MT1.

<u>Client Description</u>		<u>Lancaster Labs Number</u>
QA-T-041105	NA	Water 4402310
C-1A-W-041105	Grab	Water 4402311
C-2A-W-041105	Grab	Water 4402312
C-4-W-041105	Grab	Water 4402313
C-5-W-041105	Grab	Water 4402314

1 COPY TO
ELECTRONIC
COPY TO

Cambria C/O Gettler- Ryan
Gettler-Ryan

Attn: Deanna L. Harding
Attn: Cheryl Hansen



Analysis Report

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

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

Respectfully Submitted,

A handwritten signature in cursive script that reads "Dana M. Kauffman".

Dana M. Kauffman
Group Leader



Analysis Report

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Page 1 of 1

Lancaster Laboratories Sample No. WW 4402310

QA-T-041105 NA Water
 Facility# 90338 Job# 386456 MTI# 61D-1957 GRD
 5500 Telegraph - Oakland T0600100347 QA
 Collected: 11/05/2004

Account Number: 10904

Submitted: 11/11/2004 09:00
 Reported: 11/20/2004 at 01:41
 Discard: 12/21/2004

ChevronTexaco c/o Cambria Env.
 Suite 9
 4111 Citrus Avenue
 Rocklin CA 95677

5500Q

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
01728	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.						
06054	BTEX+MTBE by 8260B						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	ug/l	1
05401	Benzene	71-43-2	N.D.		0.5	ug/l	1
05407	Toluene	108-88-3	N.D.		0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.		0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.		0.5	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	11/11/2004 19:08		Michael F Barrow	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	11/16/2004 14:59		Ginelle L Haines	1
01146	GC VOA Water Prep	SW-846 5030B	1	11/11/2004 19:08		Michael F Barrow	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/16/2004 14:59		Ginelle L Haines	n.a.



Analysis Report

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Page 1 of 1

Lancaster Laboratories Sample No. WW 4402311

C-1A-W-041105 Grab Water
 Facility# 90338 Job# 386456 MTI# 61D-1957 GRD
 5500 Telegraph - Oakland T0600100347 C-1A
 Collected: 11/05/2004 10:30 by KK

Account Number: 10904

Submitted: 11/11/2004 09:00
 Reported: 11/20/2004 at 01:41
 Discard: 12/21/2004

ChevronTexaco c/o Cambria Env.
 Suite 9
 4111 Citrus Avenue
 Rocklin CA 95677

55001

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	330.	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.					
06059	BTEX+5 Oxygenates+ETOH					
01587	Ethanol	64-17-5	N.D.	50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	9.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	11/12/2004 09:33	Michael F Barrow	1
06059	BTEX+5 Oxygenates+ETOH	SW-846 8260B	1	11/17/2004 14:21	Ginelle L Haines	1
01146	GC VOA Water Prep	SW-846 5030B	1	11/12/2004 09:33	Michael F Barrow	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/17/2004 14:21	Ginelle L Haines	n.a.



Analysis Report

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Page 1 of 1

Lancaster Laboratories Sample No. WW 4402312

C-2A-W-041105 Grab Water
Facility# 90338 Job# 386456 MTI# 61D-1957 GRD
5500 Telegraph - Oakland T0600100347 C-2A
Collected: 11/05/2004 11:20 by KK

Account Number: 10904

Submitted: 11/11/2004 09:00
Reported: 11/20/2004 at 01:41
Discard: 12/21/2004

ChevronTexaco c/o Cambria Env.
Suite 9
4111 Citrus Avenue
Rocklin CA 95677

55002

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
01728	TPH-GRO - Waters 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.	n.a.	N.D.	50.		ug/l	1
06059	BTEX+5 Oxygenates+ETOH						
01587	Ethanol	64-17-5	N.D.	50.		ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	5.	0.5		ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5		ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5		ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5		ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	5.		ug/l	1
05401	Benzene	71-43-2	N.D.	0.5		ug/l	1
05407	Toluene	108-88-3	N.D.	0.5		ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5		ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5		ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	11/12/2004 10:02	Michael F Barrow	1
06059	BTEX+5 Oxygenates+ETOH	SW-846 8260B	1	11/17/2004 14:42	Ginelle L Haines	1
01146	GC VOA Water Prep	SW-846 5030B	1	11/12/2004 10:02	Michael F Barrow	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/17/2004 14:42	Ginelle L Haines	n.a.



Analysis Report

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Page 1 of 1

Lancaster Laboratories Sample No. WW 4402313

C-4-W-041105 Grab Water
 Facility# 90338 Job# 386456 MTI# 61D-1957 GRD
 5500 Telegraph - Oakland T0600100347 C-4
 Collected: 11/05/2004 10:15 by KK

Account Number: 10904

Submitted: 11/11/2004 09:00
 Reported: 11/20/2004 at 01:41
 Discard: 12/21/2004

ChevronTexaco c/o Cambria Env.
 Suite 9
 4111 Citrus Avenue
 Rocklin CA 95677

55004

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	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.					
06059	BTEX+5 Oxygenates+ETOH					
01587	Ethanol	64-17-5	N.D.	50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	0.7	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	11/12/2004 10:31		Michael F Barrow	1
06059	BTEX+5 Oxygenates+ETOH	SW-846 8260B	1	11/17/2004 15:03		Ginelle L Haines	1
01146	GC VOA Water Prep	SW-846 5030B	1	11/12/2004 10:31		Michael F Barrow	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/17/2004 15:03		Ginelle L Haines	n.a.

Lancaster Laboratories Sample No. WW 4402314

 C-5-W-041105 Grab Water
 Facility# 90338 Job# 386456 MTI# 61D-1957 GRD
 5500 Telegraph - Oakland T0600100347 C-5
 Collected: 11/05/2004 11:00 by KK

Account Number: 10904

 Submitted: 11/11/2004 09:00
 Reported: 11/20/2004 at 01:41
 Discard: 12/21/2004

 ChevronTexaco c/o Cambria Env.
 Suite 9
 4111 Citrus Avenue
 Rocklin CA 95677

55005

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	1,400.	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.					
06059	BTEX+5 Oxygenates+ETOH					
01587	Ethanol	64-17-5	N.D.	50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	780.	3.	ug/l	5
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	5.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	23.	5.	ug/l	1
05401	Benzene	71-43-2	84.	0.5	ug/l	1
05407	Toluene	108-88-3	3.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	120.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	160.	0.5	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	11/12/2004 10:59	Michael F Barrow	1
06059	BTEX+5 Oxygenates+ETOH	SW-846 8260B	1	11/17/2004 15:24	Ginelle L Haines	1
06059	BTEX+5 Oxygenates+ETOH	SW-846 8260B	1	11/17/2004 15:45	Ginelle L Haines	5
01146	GC VOA Water Prep	SW-846 5030B	1	11/12/2004 10:59	Michael F Barrow	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/17/2004 15:24	Ginelle L Haines	n.a.

Quality Control Summary

 Client Name: ChevronTexaco c/o Cambria Env.
 Reported: 11/20/04 at 01:42 AM

Group Number: 920349

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

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 04316A08B TPH-GRO - Waters	N.D.	50.	ug/l	108	107	70-130	1	30
Batch number: 04316A08C TPH-GRO - Waters	N.D.	50.	ug/l	108	107	70-130	1	30
Batch number: Z043211AA Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	102		77-127		
Benzene	N.D.	0.5	ug/l	97		85-117		
Toluene	N.D.	0.5	ug/l	99		85-115		
Ethylbenzene	N.D.	0.5	ug/l	101		82-119		
Xylene (Total)	N.D.	0.5	ug/l	99		83-113		
Batch number: Z043221AA Ethanol	N.D.	50.	ug/l	73		46-145		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	99		77-127		
di-Isopropyl ether	N.D.	0.5	ug/l	96		67-130		
Ethyl t-butyl ether	N.D.	0.5	ug/l	98		74-120		
t-Amyl methyl ether	N.D.	0.5	ug/l	98		79-113		
t-Butyl alcohol	N.D.	5.	ug/l	88		57-141		
Benzene	N.D.	0.5	ug/l	94		85-117		
Toluene	N.D.	0.5	ug/l	98		85-115		
Ethylbenzene	N.D.	0.5	ug/l	101		82-119		
Xylene (Total)	N.D.	0.5	ug/l	98		83-113		

Sample Matrix Quality Control

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 04316A08B TPH-GRO - Waters									
			Sample number(s): 4402310						
			119						
			63-154						
Batch number: 04316A08C TPH-GRO - Waters									
			Sample number(s): 4402311-4402314						
			119						
			63-154						
Batch number: Z043211AA Methyl Tertiary Butyl Ether	104	104	69-134	0	30				
Benzene	104	103	83-128	0	30				
Toluene	105	107	83-127	2	30				
Ethylbenzene	107	108	82-129	1	30				
Xylene (Total)	103	105	82-130	2	30				

*- Outside of specification

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

Quality Control Summary

 Client Name: ChevronTexaco c/o Cambria Env.
 Reported: 11/20/04 at 01:42 AM

Group Number: 920349

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: Z043221AA	Sample number(s): 4402311-4402314								
Ethanol	82	66	33-153	21	30				
Methyl Tertiary Butyl Ether	102	97	69-134	5	30				
di-Isopropyl ether	99	96	75-130	3	30				
Ethyl t-butyl ether	100	97	78-119	3	30				
t-Amyl methyl ether	102	98	77-117	4	30				
t-Butyl alcohol	89	88	51-147	2	30				
Benzene	102	98	83-128	3	30				
Toluene	104	102	83-127	2	30				
Ethylbenzene	106	104	82-129	2	30				
Xylene (Total)	103	101	82-130	2	30				

Surrogate Quality Control

 Analysis Name: TPH-GRO - Waters
 Batch number: 04316A08B
 Trifluorotoluene-F

4402310	109
Blank	104
LCS	108
LCSD	106
MS	109

Limits: 57-146

 Analysis Name: TPH-GRO - Waters
 Batch number: 04316A08C
 Trifluorotoluene-F

4402311	111
4402312	109
4402313	109
4402314	128
Blank	108
LCS	108
LCSD	106
MS	109

Limits: 57-146

 Analysis Name: BTEX+MTBE by 8260B
 Batch number: Z043211AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4402310	98	98	98	95
Blank	98	98	97	96
LCS	98	98	98	100
MS	100	97	98	99
MSD	99	97	98	99

*- 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.

Quality Control Summary

Client Name: ChevronTexaco c/o Cambria Env.
Reported: 11/20/04 at 01:42 AM

Group Number: 920349

Surrogate Quality Control

Limits:	81-120	82-112	85-112	83-113
Analysis Name:	BTEX+5 Oxygenates+ETOH			
Batch number:	Z043221AA			
	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4402311	99	96	96	98
4402312	101	96	97	95
4402313	100	97	96	94
4402314	99	96	96	98
Blank	97	97	97	94
LCS	97	99	98	99
MS	100	97	96	97
MSD	99	97	97	97
Limits:	81-120	82-112	85-112	83-113

*- Outside of specification

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

Explanation of Symbols and Abbreviations

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

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
ug	microgram(s)	mg	milligram(s)
ml	milliliter(s)	l	liter(s)
m3	cubic meter(s)	ul	microliter(s)
<	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
J	estimated value - The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

U.S. EPA CLP Data Qualifiers:

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

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

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

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

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