

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

Karen Streich
Project Manager

R0138 ✓

October 12, 2004

ChevronTexaco

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

RECEIVED
OCT 14 2004
ENVIRONMENTAL SERVICES

Re: Chevron Service Station # 9-0517

Address: 3900 Piedmont Ave., Oakland, California

I have reviewed the attached routine groundwater monitoring report dated September 21, 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

September 21, 2004

G-R #386420

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: **Former Chevron Service Station
#9-0517
3900 Piedmont Avenue
Oakland, California
MTI: 61D-1995**

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
2	September 20, 2004	Groundwater Monitoring and Sampling Report Second Semi-Annual - Event of August 23, 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 **October 11, 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, 1153 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577
Neil B. Goodhue and Mrs. Diane C. Goodhue, 300 Hillside Avenue, Piedmont, CA 94611

Enclosures

trans/9-0517-ks

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



GETTLER-RYAN INC.

September 20, 2004
G-R Job #386420

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

RE: Second Semi-Annual Event of August 23, 2004
Groundwater Monitoring & Sampling Report
Former Chevron Service Station #9-0517
3900 Piedmont 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

- FCR -

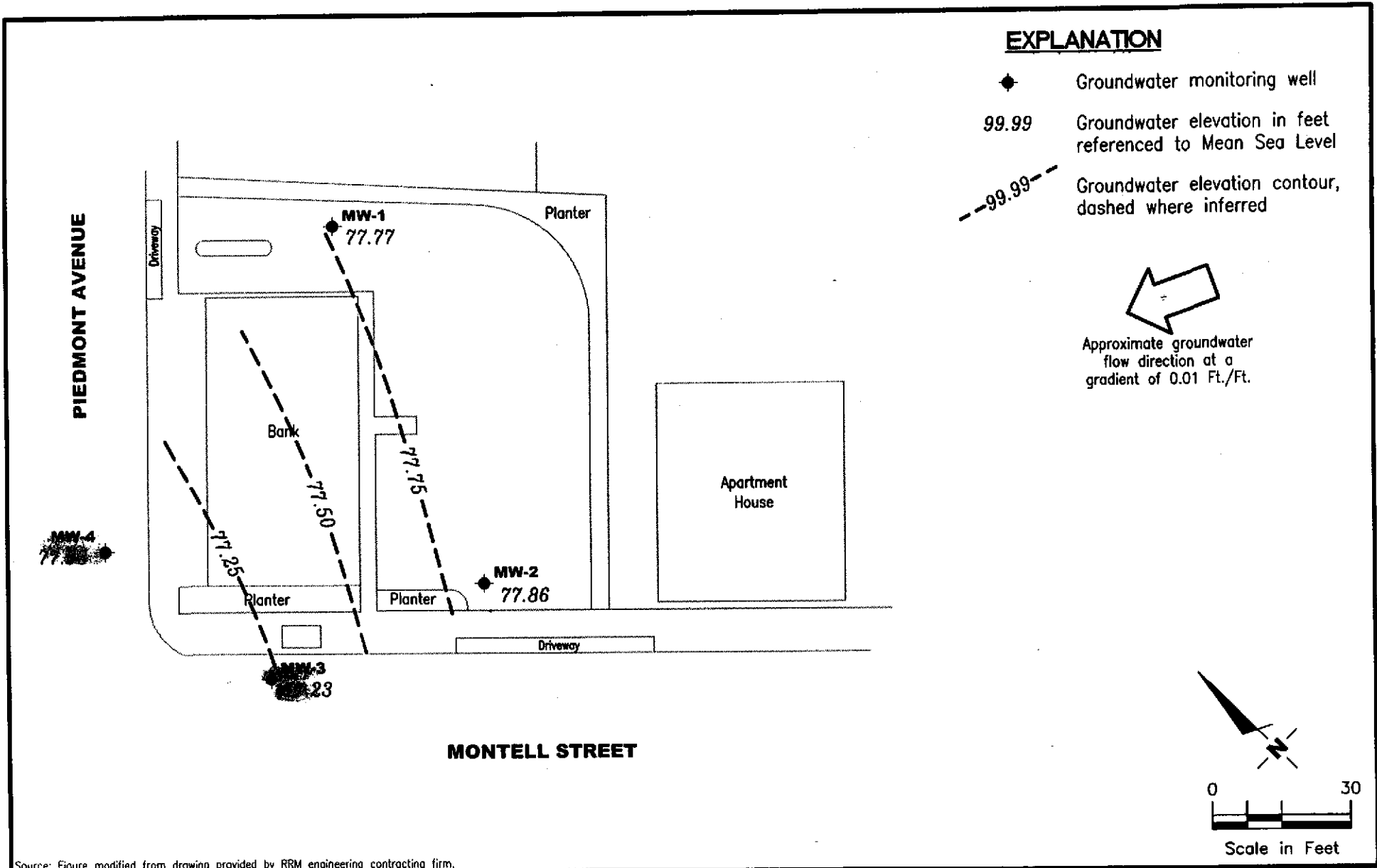
Deanna L. Harding
Project Coordinator

Deanna L. Harding

Hagop Kevork
P.E. No. C55734



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



GETTLER - RYAN INC.

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

POTENTIOMETRIC MAP
Former Chevron Service Station #9-0517
3900 Piedmont Avenue
Oakland, California

FIGURE

1

PROJECT NUMBER
386420

REVIEWED BY

DATE
August 23, 2004

REVISED DATE

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station #9-0517
3900 Piedmont 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)
MW-1									
08/03/98	87.89	75.46	12.43	<50	<0.5	<0.5	<0.5	<0.5	<2.5
11/23/98	87.89	78.84	9.05	<50	<0.5	<0.5	<0.5	<0.5	<2.0
02/08/99	87.89	81.39	6.50	<50	<0.5	<0.5	<0.5	<0.5	<2.5
05/07/99	87.89	80.76	7.13	<50	<0.5	<0.5	<0.5	<0.5	<5.0
08/23/99	87.89	78.74	9.15	<50	<0.5	<0.5	<0.5	<0.5	<2.5
11/03/99	87.89	78.35	9.54	<50	<0.5	<0.5	<0.5	<0.5	<2.5
02/15/00	87.89	81.99	5.90	<50	<0.5	<0.5	<0.5	<0.5	<5.0
05/12/00 ³	87.89	80.84	7.05	<50	<0.50	<0.50	<0.50	<0.50	<2.5
07/31/00	87.89	79.49	8.40	<50	<0.50	<0.50	<0.50	<0.50	<2.5
10/30/00	87.89	79.24	8.65	<50.0	<0.500	<0.500	<0.500	<1.50	<2.50
02/27/01	87.89	82.06	5.83	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
05/15/01	87.89	80.18	7.71	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
08/23/01	87.89	DRY	--	--	--	--	--	--	--
02/25/02	87.89	81.18	6.71	<50	<0.50	<0.50	<0.50	<1.5	<2.5
08/05/02	87.89	79.00	8.89	<50	<0.50	<0.50	<0.50	<1.5	<2.5
02/11/03	87.89	80.53	7.36	<50	<0.50	<0.50	<0.50	<1.5	<2.5
08/09/03 ⁵	87.89	78.42	9.47	<50	<0.5	<0.5	<0.5	<0.5	<0.5
02/25/04 ⁵	87.89	81.59	6.30	<50	<0.5	<0.5	<0.5	<0.5	<0.5
08/23/04 ⁵	87.89	77.77	10.12	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-2									
08/03/98	86.09	74.75	11.34	<50	<0.5	<0.5	<0.5	<0.5	3.4
11/23/98	86.09	79.19	6.90	<50	<0.5	<0.5	<0.5	<0.5	<2.0
02/08/99	86.09	80.86	5.23	<50	<0.5	<0.5	<0.5	<0.5	<2.5
05/07/99	86.09	79.97	6.12	<50	<0.5	<0.5	<0.5	<0.5	<5.0
08/23/99	86.09	79.68	6.41	<50	<0.5	<0.5	<0.5	<0.5	<2.5
11/03/99	86.09	78.80	7.29	<50	<0.5	<0.5	<0.5	<0.5	<2.5
02/15/00	86.09	81.60	4.49	<50	<0.5	<0.5	<0.5	<0.5	<5.0
05/12/00	86.09	80.19	5.90	4,000 ³	240	26	100	76	<100
07/31/00	86.09	79.51	6.58	<50	<0.50	<0.50	<0.50	<0.50	<2.5
10/30/00	86.09	79.86	6.23	<50.0	<0.500	2.92	<0.500	1.88	4.89
02/27/01	86.09	81.49	4.60	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station #9-0517
3900 Piedmont 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)
MW-2 (cont)									
05/15/01	86.09	79.79	6.30	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
08/23/01	86.09	78.81	7.28	<50	<0.50	<0.50	<0.50	<0.50	<2.5
02/25/02	86.09	80.48	5.61	<50	<0.50	<0.50	<0.50	<1.5	<2.5
08/05/02	86.09	78.99	7.10	<50	<0.50	<0.50	<0.50	<1.5	<2.5
02/11/03	86.09	78.64	7.45	<50	<0.50	<0.50	<0.50	<1.5	<2.5
08/09/03 ⁵	86.09	78.44	7.65	<50	<0.5	<0.5	<0.5	<0.5	<0.5
02/25/04 ⁵	86.09	81.24	4.85	<50	<0.5	<0.5	<0.5	<0.5	<0.5
08/23/04 ⁵	86.09	77.86	8.23	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-3									
08/03/98	86.28	74.20	12.08	4000	160	<5.0	<5.0	73	180
11/23/98	86.28	78.59	7.69	4000	67.7	7.56	17.1	24.5	41.2
02/08/99	86.28	80.01	6.27	<50	<0.5	<0.5	<0.5	<0.5	<2.5
05/07/99	86.28	79.32	6.96	1800	53.6	8.96	33	18.6	21.4
08/23/99	86.28	78.36	7.92	3970	155	24	88.8	39.8	185
11/03/99	86.28	78.36	7.92	3320	108	19.9	98.4	44.8	<25
02/15/00	86.28	80.54	5.74	779	26.7	3.82	15.4	4.24	<12.5
05/12/00	86.28	79.52	6.76	12,000 ³	3,100	120	980	1,400	820
07/31/00	86.28	78.98	7.30	1,200 ³	32	<5.0	11	7.3	39
10/30/00	86.28	79.26	7.02	3,300 ⁴	119	<5.00	40.0	<15.0	<25.0
02/27/01	86.28	80.39	5.89	432 ³	15.5	1.53	14.9	1.06	15.7
05/15/01	86.28	79.21	7.07	3,220 ³	96.4	12.6	11.5	11.6	128
08/23/01	86.28	78.23	8.05	2,300	48	<10	<10	<10	100
02/25/02	86.28	79.55	6.73	3,100	27	2.1	4.8	6.6	<2.5
08/05/02	86.28	78.33	7.95	4,100	87	21	90	47	21
02/11/03	86.28	79.23	7.05	3,700	21	2.3	4.4	9.0	<20
08/09/03 ⁵	86.28	78.05	8.23	1,600	12	1	2	4	0.7
02/25/04 ⁵	86.28	80.43	5.85	<50	<0.5	<0.5	<0.5	<0.5	<0.5
08/23/04 ⁵	86.28	77.23	9.05	3,000	21	3	3	9	<0.5

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station #9-0517
3900 Piedmont 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)
MW-4									
08/03/98	87.22	74.30	12.92	1900	110	12	<0.5	55	130
11/23/98	87.22	77.82	9.40	4080	136	17.8	37.2	30.1	51.8
02/08/99 ¹	87.22	79.40	7.82	2900	150	16	<5.0	15	230/30.7 ²
05/07/99	87.22	79.80	7.42	6050	161	<25	39.8	36.9	<250/30.2 ²
08/23/99	87.22	77.83	9.39	3930	203	37.6	58.6	42.2	255
11/03/99	87.22	77.41	9.81	5350	324	44.7	91.5	56.1	<50
02/15/00	87.22	79.50	7.72	4080	161	27.7	31.1	39.1	73.9
05/12/00	87.22	79.31	7.91	3,600 ³	170	27	49	64	170
07/31/00	87.22	78.57	8.65	2,900 ³	160	20	15	56	170
10/30/00	87.22	78.14	9.08	5,630 ⁴	301	17.8	11.8	51.5	<25.0
02/27/01	87.22	79.92	7.30	2,140 ³	95.1	12.8	53.4	43.0	235
05/15/01	87.22	79.07	8.15	4,580 ³	200	44.1	46.3	51.7	172
08/23/01	87.22	77.89	9.33	2,700	250	44	21	72	130
02/25/02	87.22	79.42	7.80	4,100	100	18	27	39	<10
08/05/02	87.22	80.12	7.10	4,100	130	18	50	20	<10
02/11/03	87.22	79.10	8.12	4,100	100	23	20	51	<50
08/09/03 ⁵	87.22	77.67	9.55	3,700	110	24	10	45	8
02/25/04 ⁵	87.22	79.16	8.06	5,400	94	28	34	49	5
08/23/04 ⁵	87.22	77.03	10.19	5,100	100	26	7	43	5
TRIP BLANK									
08/03/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
11/23/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0
02/08/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
05/07/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
08/23/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
11/03/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
02/15/00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
05/12/00	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
07/31/00	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
10/30/00	--	--	--	<50.0	<0.500	<0.500	<0.500	<1.50	<2.50

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station #9-0517
3900 Piedmont Avenue
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	BTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
TRIP BLANK (cont)									
02/27/01	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
05/15/01	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
08/23/01	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
QA									
02/25/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
08/05/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
02/11/03	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
08/09/03 ^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
08/23/04 ^s	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station #9-0517
3900 Piedmont Avenue
Oakland, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to May 12, 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

* TOC elevations are referenced to msl.

¹ Chromatogram pattern indicates gas and an unidentified hydrocarbon.

² Confirmation run.

³ Laboratory report indicates gasoline C6-C12.

⁴ Laboratory report indicates hydrocarbon pattern present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.

⁵ BTEX and MTBE by EPA Method 8260.

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 #9-0517
 Site Address: 3900 Piedmont Avenue
 City: Oakland, CA

Job Number: 386420
 Event Date: 8/23/04 (inclusive)
 Sampler: A. Smith

Well ID: MW-1 Date Monitored: 8/23/04 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 16.17 ft.
 Depth to Water: 10.62 ft.
6.05 xVF 0.17 = 1.03 x3 case volume = Estimated Purge Volume: 3.09 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: _____ 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): 1150 Weather Conditions: Sunny
 Sample Time/Date: 1215 18/23/04 Water Color: Cloudy Odor: yes
 Purging Flow Rate: 1A gpm. Sediment Description: silt
 Did well de-water? no If yes, Time: 0 Volume: 0 gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1154</u>	<u>1</u>	<u>7.76</u>	<u>330</u>	<u>22.2</u>		
<u>1159</u>	<u>2</u>	<u>7.94</u>	<u>292</u>	<u>22.1</u>		
<u>1203</u>	<u>3</u>	<u>7.81</u>	<u>311</u>	<u>22.4</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-1</u>	<u>6</u> x vva vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTX+MTBE(8260)</u>

COMMENTS: _____

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0517
 Site Address: 3900 Piedmont Avenue
 City: Oakland, CA

Job Number: 386420
 Event Date: 8/23/04 (inclusive)
 Sampler: A. Smith

Well ID: MW-2 Date Monitored: 8/23/04 Well Condition: OK

Well Diameter: 2 in.

Total Depth: 16.53 ft.

Depth to Water: 8.23 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

8.30 xVF 0.17 = 1.41 x3 case volume= Estimated Purge Volume: 4.23 gal.

Purge Equipment:

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

Sampling Equipment:

Disposable Bailer
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: _____ ft
 Visual Confirmation/Description: _____

Skimmer / Absorbent Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Water Removed: _____
 Product Transferred to: _____

Start Time (purge): 1050 Weather Conditions: Sunny/overcast
 Sample Time/Date: 1115/8/23/04 Water Color: Light Brown Odor: None
 Purging Flow Rate: NA gpm. Sediment Description: None
 Did well de-water? NO If yes, Time: 0 Volume: 0 gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1056</u>	<u>1</u>	<u>8.04</u>	<u>363</u>	<u>22.8</u>	_____	_____
<u>1059</u>	<u>2</u>	<u>8.02</u>	<u>337</u>	<u>22.6</u>	_____	_____
<u>1106</u>	<u>4</u>	<u>8.01</u>	<u>371</u>	<u>22.5</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

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

COMMENTS:

Add/Replaced Lock: _____

Add/Replaced Plug: _____ Size: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0517
 Site Address: 3900 Piedmont Avenue
 City: Oakland, CA

Job Number: 386420
 Event Date: 8/23/04 (inclusive)
 Sampler: A. Smith

Well ID: MW-3 Date Monitored: 8/23/04 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 17.58 ft.
 Depth to Water: 9.05 ft.
8.53 xVF 0.17 = 1.45 x3 case volume = Estimated Purge Volume: 4.35 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: _____ 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): 1020 Weather Conditions: Sunny / overcast
 Sample Time/Date: 1040 18/23/04 Water Color: Light Grayish Odor: yes
 Purging Flow Rate: NA gpm. Sediment Description: None
 Did well de-water? No If yes, Time: 0 Volume: 9 gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1023</u>	<u>1</u>	<u>7.64</u>	<u>491</u>	<u>21.9</u>	_____	_____
<u>1028</u>	<u>2</u>	<u>7.62</u>	<u>459</u>	<u>22.2</u>	_____	_____
<u>1037</u>	<u>4</u>	<u>7.58</u>	<u>481</u>	<u>22.0</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-3</u>	<u>6</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8260)</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: _____

Add/Replaced Lock: _____

Add/Replaced Plug: _____ Size: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0517 Job Number: 386420
 Site Address: 3900 Piedmont Avenue Event Date: 8/23/04 (inclusive)
 City: Oakland, CA Sampler: A. Smith

Well ID: MW-4 Date Monitored: 8/23/04 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 16.27 ft.
 Depth to Water: 10.19 ft.
6.08 xVF 0.17 = 1.03 x3 case volume = Estimated Purge Volume: 3.69 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: _____ 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): 1000 Weather Conditions: Sunny/Overcast
 Sample Time/Date: 1015 8/23/04 Water Color: Grainy Green Odor: yes
 Purging Flow Rate: NA gpm. Sediment Description: None
 Did well de-water? NO If yes, Time: 0 Volume: 0 gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1005</u>	<u>1</u>	<u>8.37</u>	<u>471</u>	<u>20.9</u>	_____	_____
<u>1009</u>	<u>2</u>	<u>8.26</u>	<u>436</u>	<u>21.1</u>	_____	_____
<u>1013</u>	<u>3</u>	<u>7.74</u>	<u>463</u>	<u>21.0</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

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

COMMENTS: _____

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

Chevron California Region Analysis Request/Chain of Custody



082604-13

Acci. #: 10904

4346463-69
For Lancaster Laboratories use only
Sample #: 43404

scr#: 909743

Cambria MTI Project #: 61D-1995

Facility #: SS#9-0517 G-R#386420 Global ID#T0600102248
 Site Address: 3900 PIEDMONT AVENUE, OAKLAND, CA
 Chevron PM: MTI Lead Consultant: CAMBRIA
 Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, Ca. 94568
 Consultant Prj. Mgr.: Deanna L. Harding (deanna@grinc.com)
 Consultant Phone #: 925-551-7555 Fax #: 925-551-7899
 Sampler: Andrew Smith
 Service Order #: _____ Non SAR: _____

Matrix		Analysis Requested									
		Preservation Codes									
Soil	Water	Oil	AP	Total Number of Containers	HT	HT	HT	HT	HT	HT	HT
<input type="checkbox"/> Potable <input type="checkbox"/> NPDES					<input type="checkbox"/> BTEX + MTBE 8260 <input checked="" type="checkbox"/> 8021	<input type="checkbox"/> TPH 8015 MOD GRO	<input type="checkbox"/> TPH 8015 MOD DRO	<input type="checkbox"/> Silica Gel Cleanup	<input type="checkbox"/> 8260 full scan	<input type="checkbox"/> Organites	<input type="checkbox"/> Lead 7420 <input type="checkbox"/> 7421

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 8260 compounds

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

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil	AP	Total Number of Containers	BTEX + MTBE 8260	8021	TPH 8015 MOD GRO	TPH 8015 MOD DRO	Silica Gel Cleanup	8260 full scan	Organites	Lead 7420	7421	
<u>QA</u>	<u>8/23/04</u>	<u>---</u>	<u>X</u>			<u>XX</u>			<u>3</u>	<u>X</u>	<u>X</u>	<u>X</u>							
<u>MW-1</u>	<u>8/23/04</u>	<u>1215</u>	<u>X</u>			<u>XX</u>			<u>6</u>	<u>X</u>	<u>X</u>	<u>X</u>							
<u>MW-2</u>	<u>8/23/04</u>	<u>1115</u>	<u>X</u>			<u>XX</u>			<u>6</u>	<u>X</u>	<u>X</u>	<u>X</u>							
<u>MW-3</u>	<u>8/23/04</u>	<u>1040</u>	<u>X</u>			<u>XX</u>			<u>6</u>	<u>X</u>	<u>X</u>	<u>X</u>							
<u>MW-4</u>	<u>8/23/04</u>	<u>1015</u>	<u>X</u>			<u>X</u>			<u>6</u>	<u>X</u>	<u>X</u>	<u>X</u>							

Comments / Remarks

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

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

Relinquished by: <u>Andrew Smith</u>	Date: <u>8/23/04</u>	Time: <u>1530</u>	Received by:	Date:	Time:
Relinquished by: <u>Deanna</u>	Date: <u>8/24/04</u>	Time: <u>1425</u>	Received by: <u>Andrew Amoye</u>	Date: <u>8/24/04</u>	Time: <u>1425</u>
Relinquished by: <u>Andrew Amoye</u>	Date: <u>8/24/04</u>	Time: <u>1530</u>	Received by: <u>DHL</u>	Date: <u>8/16/04</u>	Time:
Relinquished by Commercial Carrier: UPS FedEx <u>Other</u>	Temperature Upon Receipt: <u>3-6 °C</u>		Received by: <u>Deanna</u>	Date: <u>8/27/04</u>	Time: <u>0840</u>
Custody Seals Intact? <u>Yes</u> No					



Analysis Report

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

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco c/o Cambria
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 909743. Samples arrived at the laboratory on Friday, August 27, 2004. The PO# for this group is 99011184 and the release number is MTI.

<u>Client Description</u>			<u>Lancaster Labs Number</u>
QA-T-040823	NA	Water	4340463
MW-1-W-040823	Grab	Water	4340464
MW-2-W-040823	Grab	Water	4340465
MW-3-W-040823	Grab	Water	4340466
MW-4-W-040823	Grab	Water	4340467

1 COPY TO Cambria C/O Gettler- Ryan
ELECTRONIC Gettler-Ryan
COPY TO

Attn: Deanna L. Harding
Attn: Cheryl Hansen



Analysis Report

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

Respectfully Submitted,

A handwritten signature in cursive script that reads "Victoria M. Martell".

Victoria M. Martell
Chemist

Lancaster Laboratories Sample No. WW 4340463

 QA-T-040823 NA Water
 Facility# 90517 Job# 386420 MIT# 61D-1995 GRD
 3900 Piedmont Ave Oakland T0600102248 QA
 Collected: 08/23/2004

Account Number: 10904

 Submitted: 08/27/2004 08:40
 Reported: 09/01/2004 at 16:43
 Discard: 10/02/2004

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

48-TB

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	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	08/28/2004 03:28	Brian C Veety	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	08/31/2004 14:37	Anita M Dale	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/28/2004 03:28	Brian C Veety	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/31/2004 14:37	Anita M Dale	n.a.



Analysis Report

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Page 1 of 1

Lancaster Laboratories Sample No. WW 4340464

MW-1-W-040823 Grab Water
 Facility# 90517 Job# 386420 MIT# 61D-1995 GRD
 3900 Piedmont Ave Oakland T0600102248 MW-1
 Collected: 08/23/2004 12:15 by AS

Account Number: 10904

Submitted: 08/27/2004 08:40
 Reported: 09/01/2004 at 16:43
 Discard: 10/02/2004

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

48--1

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	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01728	TPH-GRO - Waters	N. CA LUFT Gasoline	1	08/28/2004 03:57	Brian C Veety	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	08/31/2004 15:03	Anita M Dale	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/28/2004 03:57	Brian C Veety	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/31/2004 15:03	Anita M Dale	n.a.

Lancaster Laboratories Sample No. WW 4340465

 MW-2-W-040823 Grab Water
 Facility# 90517 Job# 386420 MIT# 61D-1995 GRD
 3900 Piedmont Ave Oakland T0600102248 MW-2
 Collected: 08/23/2004 11:15 by AS

Account Number: 10904

 Submitted: 08/27/2004 08:40
 Reported: 09/01/2004 at 16:43
 Discard: 10/02/2004

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

48--2

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.					
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	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01728	TPH-GRO - Waters	N. CA LUFT Gasoline	1	08/28/2004 04:26	Brian C Veety	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	08/31/2004 15:29	Anita M Dale	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/28/2004 04:26	Brian C Veety	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/31/2004 15:29	Anita M Dale	n.a.

Lancaster Laboratories Sample No. WW 4340466

MW-3-W-040823 Grab Water
 Facility# 90517 Job# 386420 MIT# 61D-1995 GRD
 3900 Piedmont Ave Oakland T0600102248 MW-3
 Collected: 08/23/2004 10:40 by AS

Account Number: 10904

Submitted: 08/27/2004 08:40
 Reported: 09/01/2004 at 16:43
 Discard: 10/02/2004

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

48--3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	3,000.	250.	ug/l	5
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
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	21.	0.5	ug/l	1
05407	Toluene	108-88-3	3.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	3.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	9.	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	08/28/2004 04:55	Brian C Veety	5
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	08/31/2004 15:55	Anita M Dale	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/28/2004 04:55	Brian C Veety	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/31/2004 15:55	Anita M Dale	n.a.



Analysis Report

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Lancaster Laboratories Sample No. WW 4340467

MW-4-W-040823 Grab Water
Facility# 90517 Job# 386420 MIT# 61D-1995 GRD
3900 Piedmont Ave Oakland T0600102248 MW-4
Collected: 08/23/2004 10:15 by AS

Account Number: 10904

Submitted: 08/27/2004 08:40
Reported: 09/01/2004 at 16:43
Discard: 10/02/2004

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

48--4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	5,100.	500.	ug/l	10
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
06054	BTEX+MTBE by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	5.	1.	ug/l	2
05401	Benzene	71-43-2	100.	1.	ug/l	2
05407	Toluene	108-88-3	26.	1.	ug/l	2
05415	Ethylbenzene	100-41-4	7.	1.	ug/l	2
06310	Xylene (Total)	1330-20-7	43.	1.	ug/l	2

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	08/28/2004 05:24	Brian C Veety	10
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	08/31/2004 16:21	Anita M Dale	2
01146	GC VOA Water Prep	SW-846 5030B	1	08/28/2004 05:24	Brian C Veety	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/31/2004 16:21	Anita M Dale	n.a.

Quality Control Summary

 Client Name: ChevronTexaco c/o Cambria
 Reported: 09/01/04 at 04:43 PM

Group Number: 909743

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

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 04240A08C TPH-GRO - Waters	N.D.	50.	ug/l	86	85	70-130	1	30
Batch number: Z042442AA Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	92		77-127		
Benzene	N.D.	0.5	ug/l	92		85-117		
Toluene	N.D.	0.5	ug/l	93		85-115		
Ethylbenzene	N.D.	0.5	ug/l	93		82-119		
Xylene (Total)	N.D.	0.5	ug/l	92		83-113		

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: 04240A08C TPH-GRO - Waters	97		63-154						
Batch number: Z042442AA Methyl Tertiary Butyl Ether	92	91	69-134	1	30				
Benzene	93	91	83-128	3	30				
Toluene	96	90	83-127	6	30				
Ethylbenzene	97	91	82-129	6	30				
Xylene (Total)	94	90	82-130	5	30				

Surrogate Quality Control

 Analysis Name: TPH-GRO - Waters
 Batch number: 04240A08C
 Trifluorotoluene-F

4340463	99
4340464	99
4340465	97
4340466	108
4340467	106
Blank	98
LCS	99
LCSD	100

*- 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
Reported: 09/01/04 at 04:43 PM

Group Number: 909743

Surrogate Quality Control

MS 100

Limits: 57-146

Analysis Name: BTEX+MTBE by 8260B

Batch number: 2042442AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4340463	102	106	98	94
4340464	104	109	97	93
4340465	103	106	98	95
4340466	101	106	99	100
4340467	102	106	102	100
Blank	103	105	98	96
LCS	102	105	98	97
MS	101	104	98	99
MSD	101	104	98	100
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

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

Inorganic Qualifiers

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

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

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

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

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