

Rev 21



GETTLER-RYAN INC.

TRANSMITTAL

Alameda County

December 30, 2003
G-R #386456

JAN 23 2004

TO: Mr. Bruce H. Eppler
Cambria Environmental Technology, Inc.
4111 Citrus Avenue, Unit #9
Rocklin, California 95677

CC: Ms. Karen Streich
Chevron Products Company
P.O. Box 6004
San Ramon, California 94583

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

RE: **Chevron Service Station**
#9-0338
5500 Telegraph Avenue
Oakland, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	December 23, 2003	Groundwater Monitoring and Sampling Report Fourth Quarter - Event of November 26, 2003

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 *January 20, 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 23, 2003
G-R Job #386456

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

RE: Fourth Quarter Event of November 26, 2003
Groundwater Monitoring & Sampling Report
Chevron Service Station #9-0338
5500 Telegraph Avenue
Oakland, California

Dear Ms. Streich:

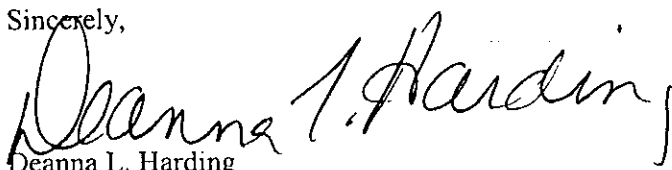
This report documents the most recent groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R) at the referenced site. All field work was conducted in accordance with G-R Standard Operating Procedure - Groundwater Sampling (attached).

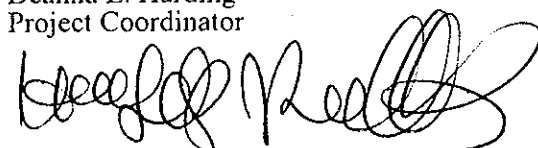
Static groundwater levels were measured and the wells were checked for the presence of separate-phase hydrocarbons. Static water level data, groundwater elevations, and separate-phase hydrocarbon thickness (if any) are presented in the attached Table 1. A Potentiometric Map is included as Figure 1.

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,

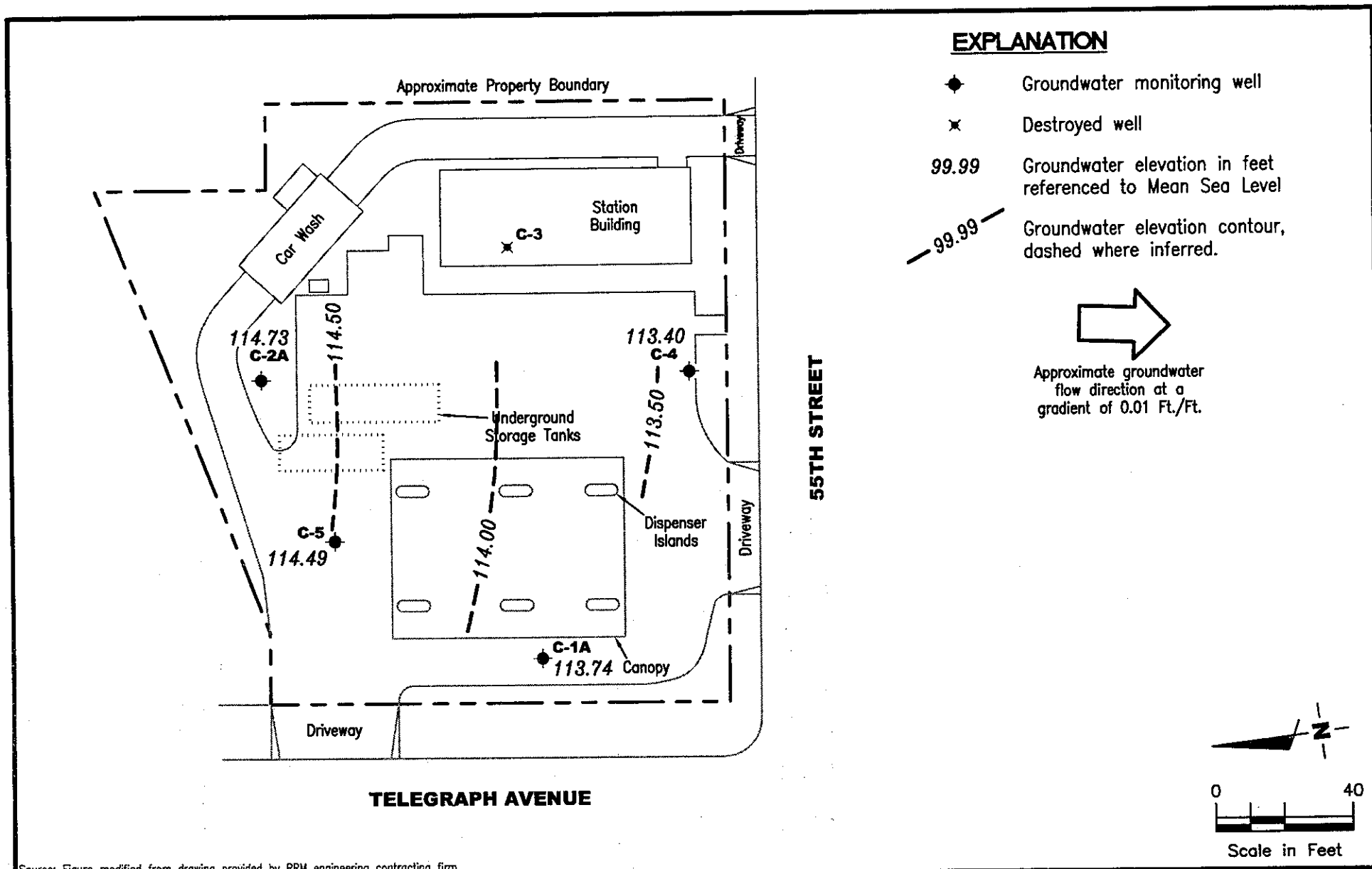

Deanna L. Harding
Project Coordinator



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 26, 2003

REVISED DATE

FILE NAME: P:\ENVIRO\CHEVRON\9-0338\Q03-9-0338.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 (msl)	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
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
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

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)									
02/11/02	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
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
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

Table 1
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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-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
11/26/03⁵	124.15	114.49	9.66	190	14	0.5	15	20	640
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	<2.500
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

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)
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 ⁵	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/26/03 ⁵	--	--	--	<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	EHTANOL (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	--	--	--
C-2A	02/11/02	--	<100	<2	<2	<2	<2
	08/28/03	<50	--	1	--	--	--
	11/26/03	<50	--	3	--	--	--
C-4	02/11/02	--	<100	62	<2	<2	<2
	08/28/03	<50	--	<0.5	--	--	--
	11/26/03	<50	--	<0.5	--	--	--
C-5	02/11/02	--	<100	140	<2	<2	<2
	08/28/03	<50	--	470	--	--	--
	11/26/03	<50	--	640	--	--	--

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



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

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

Job Number: 386456
 Event Date: 11/26/03 (inclusive)
 Sampler: K. Kelly

Well ID: C-1A
 Well Diameter: 2 in.
 Total Depth: 19.42 ft.
 Depth to Water: 9.53 ft.
9.89

Date Monitored: 11/26/03

Well Condition: OK

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

xVF 0.17 = 1.68 x3 (case volume) = Estimated Purge Volume: 5.04 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 Bailed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	<u>0</u> ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ gal
Amt Removed from Well:	_____ gal
Product Transferred to:	_____

Start Time (purge): 1309 Weather Conditions: clear
 Sample Time/Date: 1325 11/26/03 Water Color: clear/grey Odor: yes
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? no If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1311</u>	<u>1.5</u>	<u>8.03</u>	<u>571</u>	<u>19.6</u>	_____	_____
<u>1314</u>	<u>3.0</u>	<u>7.81</u>	<u>631</u>	<u>18.8</u>	_____	_____
<u>1317</u>	<u>5.0</u>	<u>7.52</u>	<u>651</u>	<u>18.2</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>C-1A</u>	<u>6</u> x voc vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8260)/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: 11/26/03 (inclusive)
 City: Oakland, CA Sampler: V. Kelly

Well ID: C-2A Date Monitored: 11/26/03 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 20.20 ft.
 Depth to Water: 11.16 ft.
9.04 xVF 0.17 = 1.53 x3 (case volume) = Estimated Purge Volume: 4.61 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 Bailed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 0 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbent Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Product Transferred to: _____

Start Time (purge): 1240 Weather Conditions: Clear
 Sample Time/Date: 1255 11/26/03 Water Color: light cloudy 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>1242</u>	<u>1.5</u>	<u>8.25</u>	<u>1249</u>	<u>20.9</u>	_____	_____
<u>1244</u>	<u>3.0</u>	<u>7.75</u>	<u>1302</u>	<u>20.2</u>	_____	_____
<u>1246</u>	<u>4.5</u>	<u>7.59</u>	<u>1221</u>	<u>20.1</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>C-2A</u>	<u>6</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8260)/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: 11/26/03 (inclusive)
 City: Oakland, CA Sampler: K. Kelly

Well ID: C-4 Date Monitored: 11/26/03 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 19.46 ft.
 Depth to Water: 12.00 ft.
7.46 xVF 0.17 = 1.26 x3 (case volume) = Estimated Purge Volume: 3.80 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 Bailed: _____ (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
 Product Transferred to: _____

Start Time (purge): 1203 Weather Conditions: Clear
 Sample Time/Date: 1215 11/26/03 Water Color: light tan 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 (OF)	D.O. (mg/L)	ORP (mV)
<u>1204</u>	<u>1.25</u>	<u>8.88</u>	<u>1048</u>	<u>17.6</u>	_____	_____
<u>1206</u>	<u>2.5</u>	<u>8.41</u>	<u>1044</u>	<u>15.1</u>	_____	_____
<u>1208</u>	<u>3.75</u>	<u>8.32</u>	<u>1110</u>	<u>16.7</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>C-4</u>	<u>6</u> x vva vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8260)/ 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: 11/26/03 (inclusive)
 City: Oakland, CA Sampler: K. Kelly

Well ID: C-5 Date Monitored: 11/26/03 Well Condition: _____
 Well Diameter: 2 in.
 Total Depth: 19.95 ft.
 Depth to Water: 9.66 ft.
10.29 xVF 0.17 = 1.74 x3 (case volume) = Estimated Purge Volume: 5.24 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 Bailed: _____ (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
 Product Transferred to: _____

Start Time (purge): 1329 Weather Conditions: clear
 Sample Time/Date: 1340 11/26/03 Water Color: light tan 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>1331</u>	<u>1.75</u>	<u>7.68</u>	<u>1293</u>	<u>18.8</u>	_____	_____
<u>1334</u>	<u>3.5</u>	<u>7.58</u>	<u>1610</u>	<u>15.3</u>	_____	_____
<u>1336</u>	<u>5.25</u>	<u>7.22</u>	<u>1521</u>	<u>18.9</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

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

COMMENTS: _____

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

Chevron California Region Analysis Request/Chain of Custody



120103-006

Acc. #: 10904 For Lancaster Laboratories use only Sample #: 4174924-28 SCR#: _____

Cambria MTI Project #: 61D-1957

Gr. # 876834

Facility #: SS#9-0338 G-R#386456 Global ID#T0600100347
 Site Address: 5500 TELEGRAPH AVENUE, OAKLAND, CA
 Chevron PM: Mgmt. Transfer Initiative 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: Kristina Kelly
 Service Order #: _____ Non SAR: _____

Matrix		Analyses Requested									
		Preservation Codes									
Soil	Water	Oil	Air	Total Number of Containers	BTEX+MTBE: 8260	TPH 8015 MOD GRO.	TPH 8015 MOD DRO	8260 full scan	Oxygenates	Lead 7420	7421
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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	Air	Total Number of Containers	BTEX+MTBE: 8260	TPH 8015 MOD GRO.	TPH 8015 MOD DRO	8260 full scan	Oxygenates	Lead 7420	7421
<u>BA</u>	<u>9-26-03</u>								3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>C-1A</u>		<u>1325</u>	<input checked="" type="checkbox"/>						6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>C-2A</u>		<u>1255</u>	<input checked="" type="checkbox"/>						6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>C-4</u>		<u>1215</u>	<input checked="" type="checkbox"/>						6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>C-5</u>		<u>1340</u>	<input checked="" type="checkbox"/>						6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Comments / Remarks

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) Coeff Deliverable not needed
 WIP (RWQCB)
 Disk

Relinquished by: <u>Kristina Kelly</u>	Date: <u>11/11/03</u>	Time: <u>1550</u>	Received by: <u>[Signature]</u>	Date: <u>12/16/03</u>	Time: <u>1159</u>
Relinquished by: <u>[Signature]</u>	Date: <u>12/1/03</u>	Time:	Received by: <u>[Signature]</u>	Date: <u>12/1/03</u>	Time: <u>1315</u>
Relinquished by: <u>[Signature]</u>	Date: <u>12/1/03</u>	Time: <u>1510</u>	Received by: <u>Airborne</u>	Date: <u>12/1/03</u>	Time:
Relinquished by Commercial Carrier: <u>UPS</u>	UPS	FedEx	Other: <u>Airborne</u>	Received by: <u>[Signature]</u>	Date: <u>12/2/03</u>
Temperature Upon Receipt: <u>2.0°C</u>	Custody Seals Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				

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 17605-2425SAMPLE GROUP

The sample group for this submittal is 876834. Samples arrived at the laboratory on Tuesday, December 02, 2003. The PO# for this group is 99011184 and the release number is STREICH.

<u>Client Description</u>		<u>Lancaster Labs Number</u>
QA-T-031126	NA Water	4174924
C-1A-W-031126	Grab Water	4174925
C-2A-W-031126	Grab Water	4174926
C-4-W-031126	Grab Water	4174927
C-5-W-031126	Grab Water	4174928

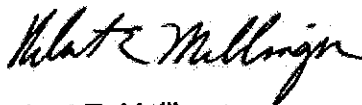
1 COPY TO
ELECTRONIC
COPY TO

Cambria C/O Gettler- Ryan
Gettler-Ryan

Attn: Deanna L. Harding
Attn: Cheryl Hansen

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

Respectfully Submitted,



Robert E. Mellinger
Senior Chemist, Coordinator

Lancaster Laboratories Sample No. WW 4174924

 QA-T-031126 NA Water
 Facility# 90338 Job# 386456 GRD
 5500 Telegraph, Oakland T0600100347 QA
 Collected: 11/26/2003 00:00

Account Number: 10904

 Submitted: 12/02/2003 10:30
 Reported: 12/09/2003 at 16:33
 Discard: 01/09/2004

 ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

TELEQ

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
A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/03/2003 09:12	Todd T Smythe	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	12/04/2003 19:55	Lauren C Marzario	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/03/2003 09:12	Todd T Smythe	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/04/2003 19:55	Lauren C Marzario	n.a.

Lancaster Laboratories Sample No. WW 4174925

 C-1A-W-031126 Grab Water GRD
 Facility# 90338 Job# 386456
 5500 Telegraph, Oakland T0600100347 C-1A
 Collected: 11/26/2003 13:25 by KK

Account Number: 10904

 Submitted: 12/02/2003 10:30
 Reported: 12/09/2003 at 16:33
 Discard: 01/09/2004

 ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

TEL1A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	490.		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.							
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH						
01587	Ethanol	64-17-5	N.D.		50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	11.		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
A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.							

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/03/2003 08:57	Linda C Pape	1
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH	SW-846 8260B	1	12/08/2003 19:33	Stephanie R Sherant	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/03/2003 08:57	Linda C Pape	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/08/2003 19:33	Stephanie R Sherant	n.a.

Lancaster Laboratories Sample No. WW 4174926

 C-2A-W-031126 Grab Water
 Facility# 90338 Job# 386456 GRD
 5500 Telegraph, Oakland T0600100347 C-2A
 Collected: 11/26/2003 12:55 by KK

Account Number: 10904

 Submitted: 12/02/2003 10:30
 Reported: 12/09/2003 at 16:33
 Discard: 01/09/2004

 ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

TEL2A

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. 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.						
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH					
01587	Ethanol	64-17-5	N.D.	50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	3.	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
A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/03/2003 09:33	Linda C Pape	1
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH	SW-846 8260B	1	12/08/2003 19:56	Stephanie R Sherant	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/03/2003 09:33	Linda C Pape	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/08/2003 19:56	Stephanie R Sherant	n.a.

Lancaster Laboratories Sample No. **WW 4174927**

 C-4-W-031126 **Grab Water**
 Facility# 90338 Job# 386456 **GRD**
 5500 Telegraph, Oakland T0600100347 C-4
 Collected: 11/26/2003 12:15 by KK

Account Number: 10904

 Submitted: 12/02/2003 10:30
 Reported: 12/09/2003 at 16:33
 Discard: 01/09/2004

 ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

TELE4

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. 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.						
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH					
01587	Ethanol	64-17-5	N.D.	50.	ug/l	1
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
A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	N. CA LUFT Gasoline	1	12/03/2003 10:09	Linda C Pape	1
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH	Method SW-846 8260B	1	12/08/2003 20:20	Stephanie R Sherant	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/03/2003 10:09	Linda C Pape	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/08/2003 20:20	Stephanie R Sherant	n.a.

Lancaster Laboratories Sample No. WW 4174928

 C-5-W-031126 Grab Water
 Facility# 90338 Job# 386456 GRD
 5500 Telegraph, Oakland T0600100347 C-5
 Collected: 11/26/2003 13:40 by KK

Account Number: 10904

 Submitted: 12/02/2003 10:30
 Reported: 12/09/2003 at 16:33
 Discard: 01/09/2004

 ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

TELE5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	190.	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.						
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH					
01587	Ethanol	64-17-5	N.D.	50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	640.	5.	ug/l	10
05401	Benzene	71-43-2	14.	0.5	ug/l	1
05407	Toluene	108-88-3	0.5	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	15.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	20.	0.5	ug/l	1
A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/03/2003 10:47	Linda C Pape	1
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH	SW-846 8260B	1	12/08/2003 20:43	Stephanie R Sherant	1
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH	SW-846 8260B	1	12/08/2003 21:06	Stephanie R Sherant	10
01146	GC VOA Water Prep	SW-846 5030B	1	12/03/2003 10:47	Linda C Pape	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/08/2003 20:43	Stephanie R Sherant	n.a.

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 12/09/03 at 04:33 PM

Group Number: 876834

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>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 03336B53A TPH-GRO - Waters	Sample number(s): 4174925-4174928							
	N.D.	50.	ug/l	94	95	70-130	1	30
Batch number: 03337A07A TPH-GRO - Waters	Sample number(s): 4174924							
	N.D.	50.	ug/l	100		70-130		
Batch number: P033381AA Methyl Tertiary Butyl Ether	Sample number(s): 4174924							
Benzene	N.D.	0.5	ug/l	93	93	77-127	0	30
Toluene	N.D.	0.5	ug/l	93	93	85-117	0	30
Ethylbenzene	N.D.	0.5	ug/l	90	91	85-115	1	30
Xylene (Total)	N.D.	0.5	ug/l	92	91	82-119	1	30
	N.D.	0.5	ug/l	91	91	84-120	0	30
Batch number: W033421AA Ethanol	Sample number(s): 4174925-4174928							
Methyl Tertiary Butyl Ether	N.D.	50.	ug/l	87	95	46-145	9	30
Benzene	N.D.	0.5	ug/l	105	103	77-127	2	30
Toluene	N.D.	0.5	ug/l	107	104	85-117	3	30
Ethylbenzene	N.D.	0.5	ug/l	99	97	85-115	2	30
Xylene (Total)	N.D.	0.5	ug/l	104	102	82-119	2	30
	N.D.	0.5	ug/l	100	99	84-120	1	30

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>BKG MAX</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 03336B53A TPH-GRO - Waters	Sample number(s): 4174925-4174928							
	105		63-154					
Batch number: 03337A07A TPH-GRO - Waters	Sample number(s): 4174924							
	100	100	63-154	0	30			
Batch number: P033381AA Methyl Tertiary Butyl Ether	Sample number(s): 4174924							
Benzene	97		69-134					
Toluene	102		83-128					
Ethylbenzene	98		83-127					
Xylene (Total)	100		82-129					
	97		82-130					
Batch number: W033421AA Ethanol	Sample number(s): 4174925-4174928							
Methyl Tertiary Butyl Ether	93		38-149					
Benzene	98		69-134					
Toluene	112		83-128					
Ethylbenzene	101		83-127					
Xylene (Total)	103		82-129					
	104		82-130					

Surrogate Quality Control

*- 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
Reported: 12/09/03 at 04:33 PM

Group Number: 876834

Surrogate Quality Control

Analysis Name: TPH-GRO - Waters
Batch number: 03336B53A
Trifluorotoluene-F

4174925	87
4174926	82
4174927	84
4174928	81
Blank	88
LCS	93
LCSD	89
MS	85

Limits: 57-146

Analysis Name: TPH-GRO - Waters
Batch number: 03337A07A
Trifluorotoluene-F

4174924	80
Blank	82
LCS	102
MS	120
MSD	118

Limits: 57-146

Analysis Name: BTEX+MTBE by 8260B
Batch number: P033381AA
Dibromofluoromethane

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4174924	102	103	103	97
Blank	102	103	103	97
LCS	103	104	103	99
LCSD	102	102	103	99
MS	102	101	104	99

Limits: 81-120 82-112 85-112 83-113

Analysis Name: BTEX+5 Oxygenates+EDC+EDB+ETOH
Batch number: W033421AA
Dibromofluoromethane

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4174925	91	87	89	97
4174926	91	90	89	97
4174927	90	88	88	95
4174928	91	87	88	96
Blank	93	90	88	98
LCS	94	91	88	99
LCSD	94	92	88	100
MS	91	88	90	95

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 falls within the Method Detection Limit (MDL) and 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 ≥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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