

Environmental Management
Company
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P.O. Box 6012
San Ramon, CA 94583-2324
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Karen Streich
Project Manager

Ru2435 ✓

August 25, 2004

ChevronTexaco

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

Re: Chevron Service Station # 9-3600

Address: 2200 Telegraph Ave., Oakland, California

I have reviewed the attached routine groundwater monitoring report dated July 23, 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

July 23, 2004

G-R #386895

TO: Ms. Kristene Tidwell
Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608

CC: Ms. Karen Streich
ChevronTexaco Company
P.O. Box 6012, Room K2256
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
#9-3600
2200 Telegraph Avenue
Oakland, California**

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	July 20, 2004	Groundwater Monitoring and Sampling Report Third Quarter - Event of July 1, 2004

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 **August 24, 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
Mr. Yichin Hwang (Property Owner) 2200 Telegraph Avenue, Oakland, CA 94612

Enclosures

trans/9-3600-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.

July 20, 2004
G-R Job #386895

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

RE: Third Quarter Event of July 1, 2004
Groundwater Monitoring & Sampling Report
Chevron Service Station #9-3600
2200 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
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports

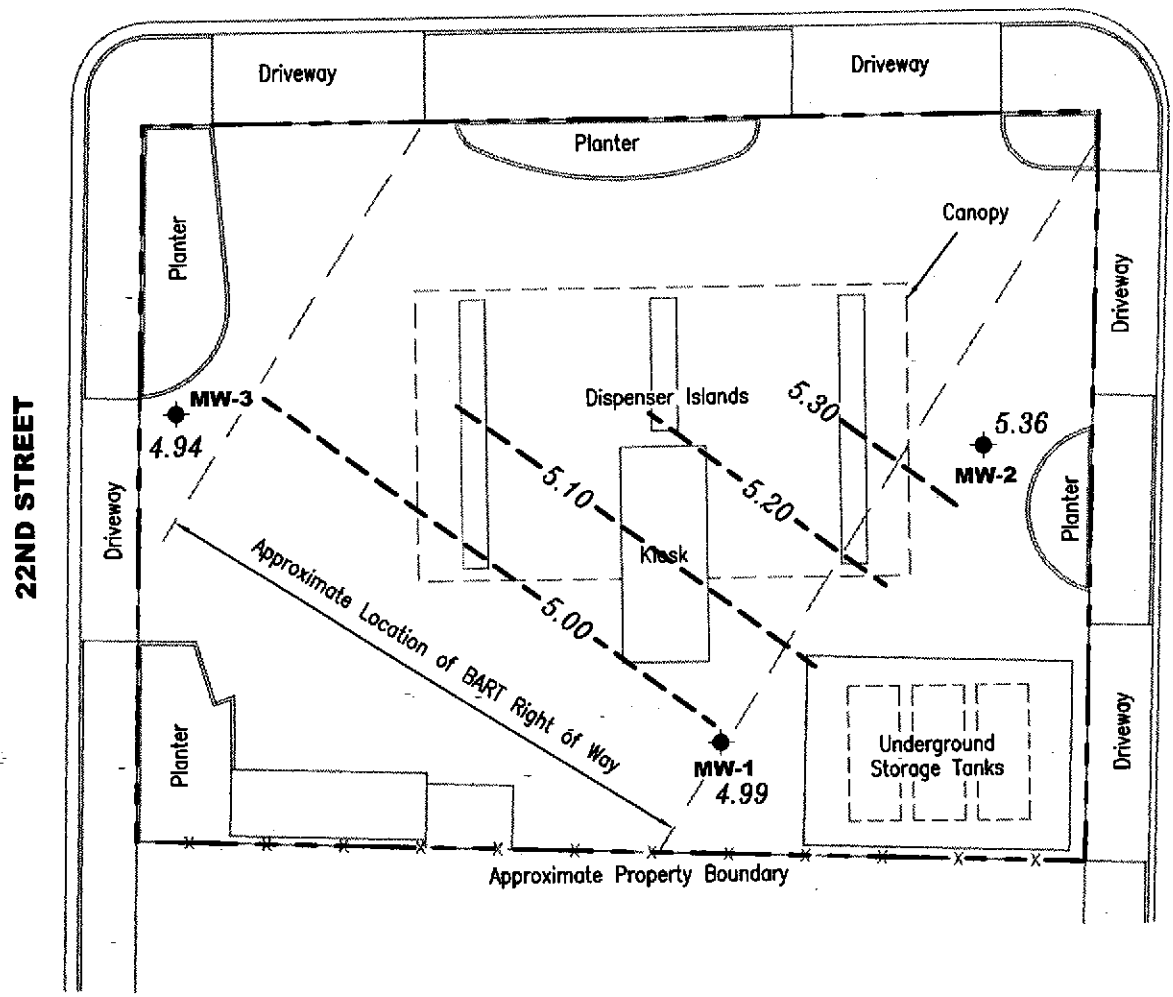
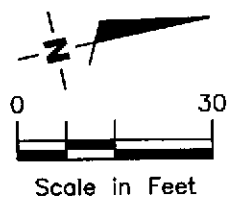
TELEGRAPH AVENUE

EXPLANATION

- ◆ Groundwater monitoring well
- 99.99 Groundwater elevation in feet referenced to Mean Sea Level
- 99.99--- Groundwater elevation contour, dashed where inferred



Approximate groundwater flow direction at a gradient of 0.006 Ft./Ft.



Source: Figure modified from drawing provided by Morrow Surveying April 17, 2002

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

POTENTIOMETRIC MAP
 Chevron Service Station #9-3600
 2200 Telegraph Avenue
 Oakland, California

FIGURE
1

PROJECT NUMBER 386895	REVIEWED BY	DATE July 1, 2004	REVISED DATE
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Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-3600
2200 Telegraph Avenue
Oakland, California

WELL ID/ DATE	TOC* (fl.)	DTW (fl.)	GWE (fl.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-1									
04/05/02 ¹	17.07	11.68	5.39	2,000	5.0	<1.0	14	8.4	310/370 ²
07/01/02	17.07	12.01	5.06	2,000	8.9	<1.0	97	31	370/420 ²
10/08/02	17.07	12.20	4.87	1,400	9.2	<10	75	20	440/360 ²
01/11/03	17.07	11.13	5.94	1,600	7.1	0.51	53	13	280/270 ²
04/01/03	17.07	11.53	5.54	1,800	5.2	0.6	25	9.1	210/210 ²
07/01/03 ³	17.07	11.95	5.12	2,000	4	<0.5	31	12	170
10/02/03 ³	17.07	12.25	4.82	480	<5	<5	<5	<5	9,800
01/05/04 ³	17.07	11.05	6.02	1,700	3	<0.5	27	4	140
04/05/04 ³	17.07	11.63	5.44	1,500	2	<0.5	21	0.6	120
07/01/04 ³	17.07	12.08	4.99	1,500	1	<0.5	3	<0.5	130
MW-2									
04/05/02 ¹	16.82	11.17	5.65	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 ²
07/01/02	16.82	11.36	5.46	<50	<0.50	0.57	0.52	<1.5	<2.5/<2 ²
10/08/02	16.82	11.57	5.25	<100	<2.0	<2.0	<2.0	<5.0	<10/<2 ²
01/11/03	16.82	10.94	5.88	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 ²
04/01/03	16.82	11.03	5.79	<50	<0.5	<0.5	<0.5	<1.5	<2.5/<0.5 ²
07/01/03 ³	16.82	11.30	5.52	<50	<0.5	<0.5	<0.5	<0.5	<0.5
10/02/03 ³	16.82	11.63	5.19	<50	<0.5	<0.5	<0.5	<0.5	<0.5
01/05/04 ³	16.82	10.82	6.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
04/05/04 ³	16.82	11.21	5.61	<50	<0.5	<0.5	<0.5	<0.5	<0.5
07/01/04 ³	16.82	11.46	5.36	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-3									
04/05/02 ¹	16.52	11.29	5.23	<50	<0.50	0.59	<0.50	<1.5	<2.5/<2 ²
07/01/02	16.52	11.55	4.97	<50	<0.50	0.60	<0.50	<1.5	<2.5/<2 ²
10/08/02	16.52	11.62	4.90	<100	<2.0	<2.0	<2.0	<5.0	<10/<2 ²
01/11/03	16.52	11.09	5.43	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 ²
04/01/03	16.52	11.25	5.27	<50	<0.5	<0.5	<0.5	<1.5	<2.5/<0.5 ²

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-3600
2200 Telegraph Avenue
Oakland, California

WELL ID/ DATE	TOC* (fL)	DTW (fL)	GWE (fL)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-3 (cont)									
07/01/03 ³	16.52	11.42	5.10	<50	<0.5	<0.5	<0.5	<0.5	2
10/02/03 ³	16.52	11.74	4.78	<50	<0.5	<0.5	<0.5	<0.5	<0.5
01/05/04 ³	16.52	11.06	5.46	<50	<0.5	<0.5	<0.5	<0.5	<0.5
04/05/04 ³	16.52	11.40	5.12	<50	<0.5	<0.5	<0.5	<0.5	0.6
07/01/04 ³	16.52	11.58	4.94	<50	<0.5	<0.5	<0.5	<0.5	0.8
TRIP BLANK									
QA									
04/05/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
07/01/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
10/08/02	--	--	--	<100	<2.0	<2.0	<2.0	<5.0	<10
01/11/03	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
04/01/03	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
07/01/03 ³	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
10/02/03 ³	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
01/05/04 ³	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
04/05/04 ³	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
07/01/04 ³	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-3600
2200 Telegraph Avenue
Oakland, California

EXPLANATIONS:

TOC = Top of Casing

(ft.) = Feet

DTW = Depth to Water

GWE = Groundwater Elevation

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 were surveyed on April 17, 2002, by Morrow Surveying. The elevations are based on a City of Oakland Benchmark No. 37JC, (Benchmark Elevation = 17.68 Feet).

¹ Well development performed.

² MTBE by EPA Method 8260.

³ BTEX and MTBE by EPA Method 8260.

Table 2
Groundwater Analytical Results - Oxygenate Compounds
Chevron Service Station #9-3600
2200 Telegraph Avenue
Oakland, California

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)
MW-1	04/05/02	--	200	370	<2	<2	10
	07/01/02	--	190	420	<2	<2	9
	10/08/02	--	110	360	<2	<2	8
	01/11/03	--	<100	270	<2	<2	7
	04/01/03	--	22	210	<0.5	<0.5	5
	07/01/03	<50	26	170	<0.5	<0.5	5
	10/02/03	<500	2,600	9,800	<5	<5	6
	01/05/04	<50	21	140	<0.5	<0.5	3
	04/05/04	<50	17	120	<0.5	<0.5	3
	07/01/04	<50	13	130	<0.5	<0.5	2
MW-2	04/05/02	--	<100	<2	<2	<2	<2
	07/01/02	--	<100	<2	<2	<2	<2
	10/08/02	--	<100	<2	<2	<2	<2
	01/11/03	--	<100	<2	<2	<2	<2
	04/01/03	--	<5	<0.5	<0.5	<0.5	<0.5
	07/01/03	<50	<5	<0.5	<0.5	<0.5	<0.5
	10/02/03	<50	<5	<0.5	<0.5	<0.5	<0.5
	01/05/04	<50	<5	<0.5	<0.5	<0.5	<0.5
	04/05/04	<50	<5	<0.5	<0.5	<0.5	<0.5
	07/01/04	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-3	04/05/02	--	<100	<2	<2	<2	<2
	07/01/02	--	<100	<2	<2	<2	<2
	10/08/02	--	<100	<2	<2	<2	<2
	01/11/03	--	<100	<2	<2	<2	<2
	04/01/03	--	<5	<0.5	<0.5	<0.5	<0.5
	07/01/03	<50	<5	2	<0.5	<0.5	<0.5
	10/02/03	<50	<5	<0.5	<0.5	<0.5	<0.5

Table 2
Groundwater Analytical Results - Oxygenate Compounds
 Chevron Service Station #9-3600
 2200 Telegraph Avenue
 Oakland, California

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)
MW-3	01/05/04	<50	<5	<0.5	<0.5	<0.5	<0.5
(cont)	04/05/04	<50	<5	0.6	<0.5	<0.5	<0.5
	07/01/04	<50	<5	0.8	<0.5	<0.5	<0.5

Table 2
Groundwater Analytical Results - Oxygenate Compounds
Chevron Service Station #9-3600
2200 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

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 #9-3600 Job Number: 386895
 Site Address: 2200 Telegraph Avenue Event Date: 7-1-04 (inclusive)
 City: Oakland, CA Sampler: Joc

Well ID: MW-1
 Well Diameter: 2 in.
 Total Depth: 20.28 ft.
 Depth to Water: 12.08 ft.
8.20 xVF 0.17 = 1.39 x3 case volume = Estimated Purge Volume: 4.5 gal.

Date Monitored: 7-1-04 Well Condition: o.k.

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
 Water Removed: _____
 Product Transferred to: _____

Start Time (purge): 0755 Weather Conditions: Foggy
 Sample Time/Date: 0822 7-1-04 Water Color: Clear Odor: yes
 Purging Flow Rate: 0.5 gpm. Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm) ^{x1000}	Temperature (C)	D.O. (mg/L)	ORP (mV)
<u>0804</u>	<u>1.5</u>	<u>6.50</u>	<u>0.32</u>	<u>63.3</u>	_____	_____
<u>0808</u>	<u>3</u>	<u>6.52</u>	<u>0.29</u>	<u>63.5</u>	_____	_____
<u>0812</u>	<u>4.5</u>	<u>6.53</u>	<u>0.34</u>	<u>63.6</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-1</u>	<u>6</u> x 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 #9-3600 Job Number: 386895
 Site Address: 2200 Telegraph Avenue Event Date: 7-1-04 (inclusive)
 City: Oakland, CA Sampler: Joe

Well ID: MW-2 Date Monitored: 7-1-04 Well Condition: O.K.

Well Diameter: 2 in.
 Total Depth: 20.25 ft.
 Depth to Water: 11.46 ft.
8.79 xVF = 0.17 = 1.49 x3 case volume = Estimated Purge Volume: 4.5 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:	<u>0</u> ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ gal
Amt Removed from Well:	_____ gal
Water Removed:	_____ gal
Product Transferred to:	_____

Start Time (purge): 0630 Weather Conditions: Foggy
 Sample Time/Date: 0700 7-1-04 Water Color: clear Odor: none
 Purging Flow Rate: 0.5 gpm. Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm) ^{x100}	Temperature (°C)	D.O. (mg/L)	ORP (mV)
<u>0637</u>	<u>1.5</u>	<u>7.10</u>	<u>4.43</u>	<u>64.0</u>	_____	_____
<u>0642</u>	<u>2</u>	<u>7.20</u>	<u>4.16</u>	<u>63.9</u>	_____	_____
<u>0647</u>	<u>4.5</u>	<u>7.23</u>	<u>4.22</u>	<u>63.7</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)/ 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 #9-3600
 Site Address: 2200 Telegraph Avenue
 City: Oakland, CA

Job Number: 386895
 Event Date: 7-1-04 (inclusive)
 Sampler: See

Well ID: MW-3 Date Monitored: 7-1-04 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 20.20 ft.
 Depth to Water: 11.58 ft.
8.62 x VF 0.17 = 1.47 x3 case volume = Estimated Purge Volume: 4.5 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
 Water Removed: _____
 Product Transferred to: _____

Start Time (purge): 0715 Weather Conditions: Foggy
 Sample Time/Date: 0743, 7-1-04 Water Color: clear Odor: none
 Purging Flow Rate: 0.5 gpm. Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm) x 100	Temperature (C/E)	D.O. (mg/L)	ORP (mV)
<u>0724</u>	<u>1.5</u>	<u>7.74</u>	<u>3.49</u>	<u>64.6</u>	_____	_____
<u>0728</u>	<u>3</u>	<u>7.46</u>	<u>5.52</u>	<u>64.2</u>	_____	_____
<u>0732</u>	<u>4.5</u>	<u>7.4</u>	<u>5.56</u>	<u>64.3</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)/ 5 OXYS+ETHANOL(8260)</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS:

Add/Replaced Lock: _____

Add/Replaced Plug: _____ Size: _____

Chevron California Region Analysis Request/Chain of Custody



For Lancaster Laboratories use only

Group# 902611

Acct. #: 10904 Sample #: 4305600-03

SCR#:

076604-06

Facility #: SS#9-3600 G-R#386895 Global ID#T0600161613
 Site Address: 2200 TELEGRAPH AVENUE, OAKLAND, CA
 Chevron PM: KS Lead Consultant: CAMBRIAKW
 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: JOE ASEMIAN
 Service Order #: _____ Non SAR: _____

Matrix		Analyses Requested									
		Preservation Codes									
Soil	Water	Oil	Air	Total Number of Containers	H	H	H	H	H	H	H
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	<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	BTX + MTBE 8260	TPH 8015 MOD GRO	TPH 8015 MOD DRO	8260 full scan	5 Oxygenates (8260)	Lead 7420	Ethanol (8260)
QA	-	-	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MW-1	7-1-04	0822	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
MW-2	"	0700	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
MW-3	"	0743	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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
 WIP (RWQCB)
 Disk

Relinquished by: <u>[Signature]</u>	Date: 7-1-04	Time: 1250	Received by: <u>[Signature]</u>	Date: 7/6/04	Time: 1137
Relinquished by: <u>[Signature]</u>	Date: 7/6/04	Time: 1325	Received by: <u>[Signature]</u>	Date: 7/6/04	Time: 1325
Relinquished by: <u>[Signature]</u>	Date: 7/4/04	Time: 1530	Received by: <u>[Signature]</u>	Date: 7/6/04	Time: []
Relinquished by Commercial Carrier: UPS FedEx Other	Temperature Upon Receipt: 2-2 → C°		Received by: <u>[Signature]</u>	Date: 7/7/04	Time: 0905
Custody Seal Intact?			Yes	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
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 902611. Samples arrived at the laboratory on Wednesday, July 07, 2004. The PO# for this group is 99011184 and the release number is STREICH.

<u>Client Description</u>			<u>Lancaster Labs Number</u>
QA-T-040701	NA	Water	4305600
MW-1-W-040701	Grab	Water	4305601
MW-2-W-040701	Grab	Water	4305602
MW-3-W-040701	Grab	Water	4305603

1 COPY TO
ELECTRONIC
COPY TO

Cambria C/O Gettler- Ryan
Gettler-Ryan

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 "Robin C. Runkle".

Robin C. Runkle
Senior Chemist

Lancaster Laboratories Sample No. WW 4305600

QA-T-040701 NA Water
 Facility# 93600 Job# 386895 GRD
 2200 Telegraph Av-Oakland T0600161613 QA
 Collected: 07/01/2004

Account Number: 10904

Submitted: 07/07/2004 09:05
 Reported: 07/13/2004 at 22:56
 Discard: 08/13/2004

ChevronTexaco
 6001 Bollinger Canyon Rd L431'0
 San Ramon CA 94583

TELQA

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	Time		
01728	TPH-GRO - Waters	N. CA LUFT Gasoline	1	07/08/2004	19:37	Brian C Veety	1
06054	BTEX+MTBE by 8260B	Method SW-846 8260B	1	07/08/2004	18:25	Anita M Dale	1
01146	GC VOA Water Prep	SW-846 5030B	1	07/08/2004	19:37	Brian C Veety	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/08/2004	18:25	Anita M Dale	n.a.



Analysis Report

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Lancaster Laboratories Sample No. WW 4305601

MW-1-W-040701 Grab Water
Facility# 93600 Job# 386895 GRD
2200 Telegraph Av-Oakland T0600161613 MW-1
Collected: 07/01/2004 08:22 by JA

Account Number: 10904

Submitted: 07/07/2004 09:05
Reported: 07/13/2004 at 22:56
Discard: 08/13/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4210
San Ramon CA 94583

TELM1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	1,500.	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. Due to the nature of the sample matrix, the surrogate standard recovery is above the range of specifications.						
06059	BTEX+5 Oxygenates+ETOH					
01587	Ethanol	64-17-5	N.D.	50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	130.	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	2.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	13.	5.	ug/l	1
05401	Benzene	71-43-2	1.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	3.	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	07/08/2004 20:10	Brian C Veety	1
06059	BTEX+5 Oxygenates+ETOH	SW-846 8260B	1	07/09/2004 06:42	Marc S Neal	1
01146	GC VOA Water Prep	SW-846 5030B	1	07/08/2004 20:10	Brian C Veety	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/09/2004 06:42	Marc S Neal	n.a.

Lancaster Laboratories Sample No. WW 4305602

 MW-2-W-040701 Grab Water
 Facility# 93600 Job# 386895 GRD
 2200 Telegraph Av-Oakland T0600161613 MW-2
 Collected: 07/01/2004 07:00 by JA

Account Number: 10904

 Submitted: 07/07/2004 09:05
 Reported: 07/13/2004 at 22:56
 Discard: 08/13/2004

 ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

TELM2

CAT No.	Analysis Name	CAS Number	As Received	As Received	Units	Dilution Factor
			Result	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	N.D.	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	1	07/08/2004 20:43	Brian C Veety	1
06059	BTEX+5 Oxygenates+ETOH	Method SW-846 8260B	1	07/09/2004 07:09	Marc S Neal	1
01146	GC VOA Water Prep	SW-846 5030B	1	07/08/2004 20:43	Brian C Veety	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/09/2004 07:09	Marc S Neal	n.a.



Analysis Report

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Lancaster Laboratories Sample No. WW 4305603

MW-3-W-040701 Grab Water
 Facility# 93600 Job# 386895 GRD
 2200 Telegraph Av-Oakland T0600161613 MW-3
 Collected: 07/01/2004 07:43 by JA

Account Number: 10904

Submitted: 07/07/2004 09:05
 Reported: 07/13/2004 at 22:56
 Discard: 08/13/2004

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

TELM3

CAT No.	Analysis Name	CAS Number	As Received	As Received	Units	Dilution Factor
			Result	Method		
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	0.8	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	1	07/08/2004 21:16	Brian C Veety	1
06059	BTEX+5 Oxygenates+ETOH	SW-846 8260B	1	07/09/2004 07:36	Marc S Neal	1
01146	GC VOA Water Prep	SW-846 5030B	1	07/08/2004 21:16	Brian C Veety	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/09/2004 07:36	Marc S Neal	n.a.

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 07/13/04 at 10:56 PM

Group Number: 902611

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: 04190A07B TPH-GRO - Waters	N.D.	50.	ug/l	104	96	70-130	8	30
Batch number: 2041901AA Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	101		77-127		
Benzene	N.D.	0.5	ug/l	97		85-117		
Toluene	N.D.	0.5	ug/l	96		85-115		
Ethylbenzene	N.D.	0.5	ug/l	92		82-119		
Xylene (Total)	N.D.	0.5	ug/l	90		84-120		
Batch number: Z041904AA Ethanol	N.D.	50.	ug/l	114		46-145		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	100		77-127		
di-Isopropyl ether	N.D.	0.5	ug/l	105		67-130		
Ethyl t-butyl ether	N.D.	0.5	ug/l	96		74-120		
t-Amyl methyl ether	N.D.	0.5	ug/l	88		79-113		
t-Butyl alcohol	N.D.	5.	ug/l	86		57-141		
Benzene	N.D.	0.5	ug/l	98		85-117		
Toluene	N.D.	0.5	ug/l	96		85-115		
Ethylbenzene	N.D.	0.5	ug/l	93		82-119		
Xylene (Total)	N.D.	0.5	ug/l	89		84-120		

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: 04190A07B TPH-GRO - Waters	116		63-154						
Batch number: 2041901AA Methyl Tertiary Butyl Ether	104	110	69-134	3	30				
Benzene	105	107	83-128	2	30				
Toluene	102	106	83-127	3	30				
Ethylbenzene	99	104	82-129	5	30				
Xylene (Total)	97	100	82-130	4	30				
Batch number: Z041904AA Ethanol	100	125	41-155	22	30				
Methyl Tertiary Butyl Ether	100	96	69-134	4	30				
di-Isopropyl ether	105	103	75-130	3	30				
Ethyl t-butyl ether	96	94	78-119	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
 Reported: 07/13/04 at 10:56 PM

Group Number: 902611

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	EKG Conc	DUP Conc	DUP RPD	Dup RPD Max
t-Amyl methyl ether	89	86	77-117	3	30				
t-Butyl alcohol	86	84	51-147	3	30				
Benzene	100	98	83-128	2	30				
Toluene	99	97	83-127	2	30				
Ethylbenzene	95	93	82-129	2	30				
Xylene (Total)	91	88	82-130	3	30				

Surrogate Quality Control

 Analysis Name: TPH-GRO - Waters
 Batch number: 04190A07B
 Trifluorotoluene-F

4305600	101
4305601	183*
4305602	103
4305603	101
Blank	100
LCS	127
LCS D	124
MS	129

Limits: 57-146

Analysis Name: BTEX+MTBE by 8260B

Batch number: Z041901AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4305600	90	90	96	86
Blank	91	91	96	85
LCS	91	90	96	88
MS	90	91	96	88
MSD	90	91	96	88

Limits: 81-120

82-112

85-112

83-113

Analysis Name: BTEX+5 Oxygenates+ETOH

Batch number: Z041904AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4305601	98	99	106	97
4305602	100	98	106	93
4305603	100	98	106	93
Blank	99	101	106	92
LCS	99	98	106	94
MS	99	100	105	95
MSD	100	100	106	96

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.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 07/13/04 at 10:56 PM

Group Number: 902611

*- 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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