

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

R 2435

____ August 20, __, 2003

ChevronTexaco

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

Alameda County
August 20, 2003
Environmental Health

Re: Chevron Service Station # 9-3600

Address: 2200 Telegraph Avenue, Oakland, CA

I have reviewed the attached routine groundwater monitoring report dated August 5, 2003.

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

Alameda County
AUG 23 2003
Environmental Health



GETTLER-RYAN INC.

TRANSMITTAL

August 5, 2003
G-R #386895

TO: Mr. Robert Foss
Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, CA 94608

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
#9-3600
2200 Telegraph Avenue
Oakland, California

Alameda County

AUG 20 2003

Environmental Health

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	July 30, 2003	Groundwater Monitoring and Sampling Report Third Quarter - Event of July 1, 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 **August 19, 2003**, at which time the final report will be distributed to the following:

cc: Mr. Don Hwang, Alameda County Health Care Services, Dept. of Environmental Health, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577
Mr. Yichin Hwang (Property Owner) 2200 Telegraph Avenue, Oakland, CA 94612

Enclosures

LETTER



GETTLER-RYAN INC.

July 30, 2003
G-R Job #386895

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

RE: Third Quarter Event of July 1, 2003
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.

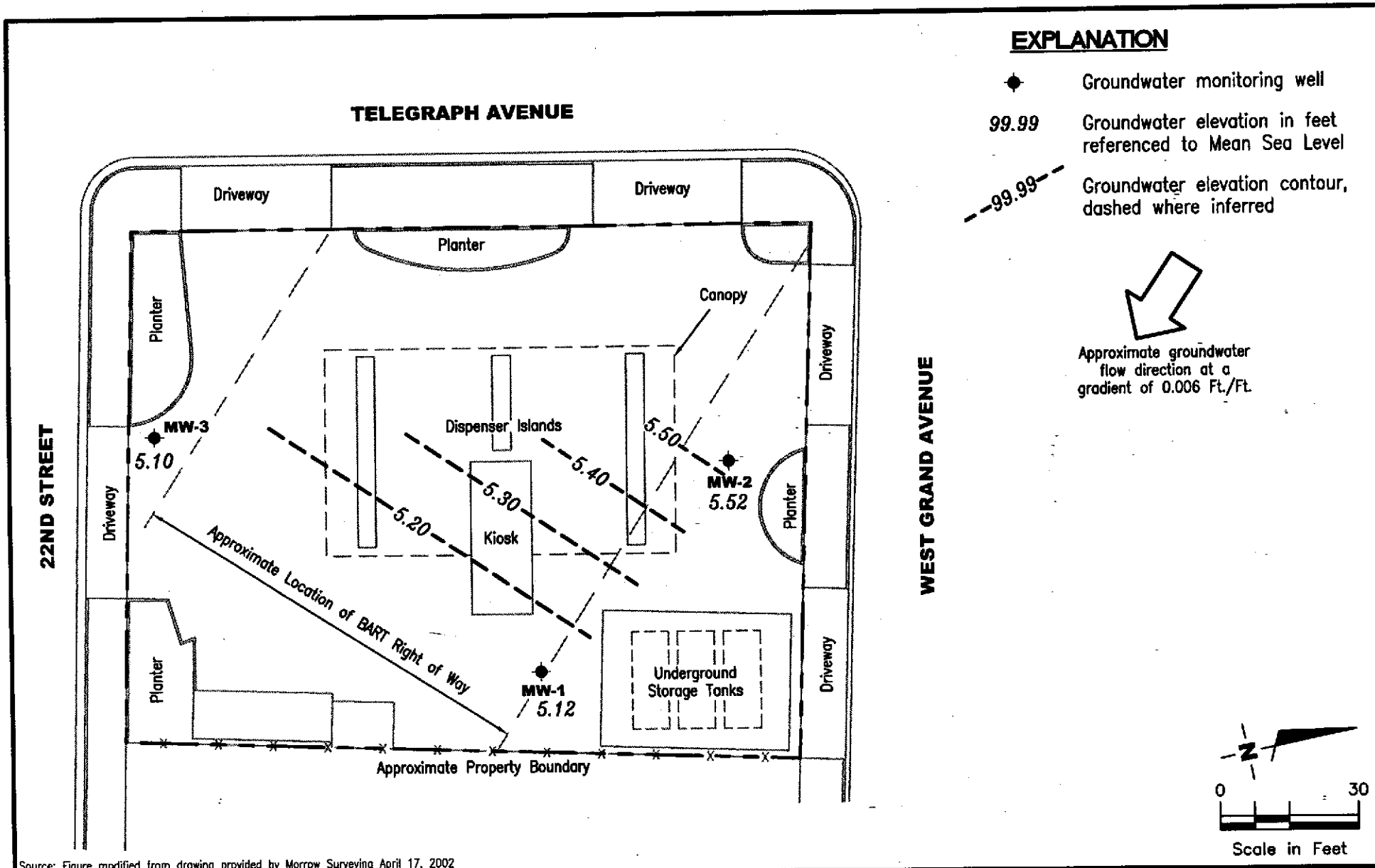
Sincerely,

Deanna L. Harding
Project Coordinator

Robert C. Mallory
Registered Geologist, No. 7285



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



Source: Figure modified from drawing provided by 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, 2003

REVISED DATE

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

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	GWE (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-1									
17.07	04/05/02 ¹	11.68	5.39	2,000	5.0	<1.0	14	8.4	310/370 ²
	07/01/02	12.01	5.06	2,000	8.9	<1.0	97	31	370/420 ²
	10/08/02	12.20	4.87	1,400	9.2	<10	75	20	440/360 ²
	01/11/03	11.13	5.94	1,600	7.1	0.51	53	13	280/270 ²
	04/01/03	11.53	5.54	1,800	5.2	0.6	25	9.1	210/210 ²
	07/01/03 ³	11.95	5.12	2,000	4	<0.5	31	12	170
MW-2									
16.82	04/05/02 ¹	11.17	5.65	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 ²
	07/01/02	11.36	5.46	<50	<0.50	0.57	0.52	<1.5	<2.5/<2 ²
	10/08/02	11.57	5.25	<100	<2.0	<2.0	<2.0	<5.0	<10/<2 ²
	01/11/03	10.94	5.88	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 ²
	04/01/03	11.03	5.79	<50	<0.5	<0.5	<0.5	<1.5	<2.5/<0.5 ²
	07/01/03 ³	11.30	5.52	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-3									
16.52	04/05/02 ¹	11.29	5.23	<50	<0.50	0.59	<0.50	<1.5	<2.5/<2 ²
	07/01/02	11.55	4.97	<50	<0.50	0.60	<0.50	<1.5	<2.5/<2 ²
	10/08/02	11.62	4.90	<100	<2.0	<2.0	<2.0	<5.0	<10/<2 ²
	01/11/03	11.09	5.43	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 ²
	04/01/03	11.25	5.27	<50	<0.5	<0.5	<0.5	<1.5	<2.5/<0.5 ²
	07/01/03 ³	11.42	5.10	<50	<0.5	<0.5	<0.5	<0.5	2
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

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

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	GWE (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
QA	01/11/03	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
(cont)	04/01/03	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
	07/01/03 ¹	--	--	<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
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
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

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 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 #9-3600 Job Number: 386895
 Site Address: 2200 Telegraph Avenue Event Date: 7-1-03 (inclusive)
 City: Oakland, CA Sampler: K. Kelly

Well ID: MW-1 Date Monitored: 7-1-03 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 20.26 ft.
 Depth to Water: 11.95 ft.
8.31 xVF 0.17 = 1.41 x3 (case volume) = Estimated Purge Volume: 4.23 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): 1127 Weather Conditions: Clear
 Sample Time/Date: 1140 7-1-03 Water Color: Light Cloudy 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>1129</u>	<u>1.5</u>	<u>6.30</u>	<u>655</u>	<u>20.9</u>	_____	_____
<u>1133</u>	<u>3.0</u>	<u>6.96</u>	<u>578</u>	<u>22.9</u>	_____	_____
<u>1136</u>	<u>4.5</u>	<u>6.44</u>	<u>645</u>	<u>20.9</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-1</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 Job Number: 386895
 Site Address: 2200 Telegraph Avenue Event Date: 7-1-03 (inclusive)
 City: Oakland, CA Sampler: K. Kelly

Well ID: MW-2 Date Monitored: 7-1-03 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 20.23 ft.
 Depth to Water: 11.30 ft.
8.93 xVF 0.17 = 1.51 x3 (case volume) = Estimated Purge Volume: 4.55 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): 1105 Weather Conditions: Clear
 Sample Time/Date: 1120 7-1-03 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 (u mhos/cm)	Temperature (OF)	D.O. (mg/L)	ORP (mV)
<u>1108</u>	<u>1.5</u>	<u>6.64</u>	<u>783</u>	<u>19.2</u>	_____	_____
<u>1111</u>	<u>3.0</u>	<u>6.65</u>	<u>874</u>	<u>20.2</u>	_____	_____
<u>1114</u>	<u>4.5</u>	<u>6.82</u>	<u>880</u>	<u>20.6</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

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

COMMENTS: _____

Add/Replaced Lock: _____

Add/Replaced Plug: Size: 2"



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-3600 Job Number: 386895
 Site Address: 2200 Telegraph Avenue Event Date: 7-1-03 (inclusive)
 City: Oakland, CA Sampler: K. Kelly

Well ID: MW-3 Date Monitored: 7-1-03 Well Condition: OK

Well Diameter: 2 in.

Total Depth: 20.19 ft.

Depth to Water: 11.42 ft.

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

8.77 xVF 0.17 = 1.49 x3 (case volume) = Estimated Purge Volume: 447 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: 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): 1044 Weather Conditions: Clear
 Sample Time/Date: 1055 7-1-03 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>1046</u>	<u>1.5</u>	<u>6.85</u>	<u>525</u>	<u>18.4</u>	_____	_____
<u>1048</u>	<u>3.0</u>	<u>6.81</u>	<u>516</u>	<u>18.5</u>	_____	_____
<u>1050</u>	<u>4.5</u>	<u>6.76</u>	<u>519</u>	<u>18.6</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



070203-004

61P4 858191
 For Lancaster Laboratories use only
 Acct. #: 10904 Sample #: 4076499-12 SCR#:

Facility #: SS#9-3600 G-R#386895 Global ID#15050
 Site Address: 2200 TELEGRAPH AVE., OAKLAND, CA
 Chevron PM: KS 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										
Potable	NPDES	H	H		H							
<input type="checkbox"/>	<input type="checkbox"/>	BTEX + MTBE 8260 <input checked="" type="checkbox"/>	TPH 8015 MOD GRO	TPH 8015 MOD DRO	8260 full scan	S Oxygenates + ETHANAL (S160)	Lead 7420	7421				
<input type="checkbox"/>	<input type="checkbox"/>											
Total Number of Containers		2	6	6	6							

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
<u>QA</u>	<u>7-1-03</u>					W		
<u>MW-1</u>	↓	<u>1140</u>	X			W		
<u>MW-2</u>	↓	<u>1120</u>	X			W		
<u>MW-3</u>	↓	<u>1055</u>	X			W		

Comments / Remarks

Turnaround Time Requested (TAT) (please circle)
 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: <u>7/1/03</u>	Time: <u>1530</u>	Received by: <u>[Signature]</u>	Date: <u>7/2/03</u>	Time: <u>1145</u>
Relinquished by: <u>[Signature]</u>	Date: <u>7/2/03</u>	Time: <u>1745</u>	Received by: <u>[Signature]</u>	Date: <u>7/2/03</u>	Time: <u>1145</u>
Relinquished by: <u>Bernard Arroyo</u>	Date: <u>7/3/03</u>	Time: <u>1350</u>	Received by: <u>Airborne</u>	Date: <u>7/3/03</u>	Time: <u> </u>
Relinquished by Commercial Carrier: UPS FedEx Other: <u>Airborne</u>	Temperature Upon Receipt: <u>3.5</u> °C		Received by: <u>[Signature]</u>	Date: <u>7/3/03</u>	Time: <u>0900</u>
Custody Seals Intact? <u>Yes</u>			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 17605-2425

SAMPLE GROUP

The sample group for this submittal is 858171. Samples arrived at the laboratory on Thursday, July 03, 2003. The PO# for this group is 99011184 and the release number is STREICH.

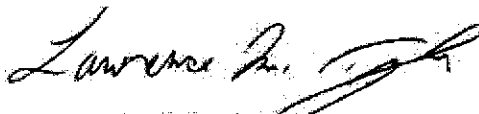
<u>Client Description</u>		<u>Lancaster Labs Number</u>
QA-T-030701	NA Water	4076469
MW-1-W-030701	Grab Water	4076470
MW-2-W-030701	Grab Water	4076471
MW-3-W-030701	Grab Water	4076472

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

Attn: Cheryl Hansen
Attn: Deanna L. Harding

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

Respectfully Submitted,



Lawrence M. Taylor
Senior Chemist

Lancaster Laboratories Sample No. **WW 4076469**

Collected: 07/01/2003 00:00

Account Number: 10904

Submitted: 07/03/2003 09:00

ChevronTexaco

Reported: 07/17/2003 at 11:54

6001 Bollinger Canyon Rd L4310

Discard: 08/17/2003

QA-T-030701

NA

Water

San Ramon CA 94583

 Facility# 93600 Job# 386895
 2200 Telegraph Ave Oakland 15050

QA

GRD

QAGRA

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.						
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	ug/l	1
05401	Benzene	71-43-2	N.D.		0.5	ug/l	1
05407	Toluene	108-88-3	N.D.		0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.		0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.		0.5	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
01728	TPH-GRO - Waters	N. CA LUFT Gasline Method	1	07/07/2003 18:00		Martha L Seidel	1
01594	BTEX + Oxygenates by 8260B	SW-846 8260B	1	07/09/2003 21:25		John B Kiser	1
01146	GC VOA Water Prep	SW-846 5030B	1	07/07/2003 18:00		Martha L Seidel	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/09/2003 21:25		John B Kiser	n.a.

Lancaster Laboratories Sample No. **WW 4076470**

Collected: 07/01/2003 11:40 by KK

Account Number: 10904

Submitted: 07/03/2003 09:00

ChevronTexaco

Reported: 07/17/2003 at 11:54

6001 Bollinger Canyon Rd L4310

Discard: 08/17/2003

MW-1-W-030701 Grab Water

San Ramon CA 94583

Facility# 93600 Job# 386895

GRD

2200 Telegrap Ave Oakland 15050 MW-1

1GRAP

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
01728	TPH-GRO - Waters	n.a.	2,000.		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.						
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	170.		1.	ug/l	2.5
02011	di-Isopropyl ether	108-20-3	N.D.		0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.		0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	5.		0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	26.		5.	ug/l	1
05401	Benzene	71-43-2	4.		0.5	ug/l	1
05407	Toluene	108-88-3	N.D.		0.5	ug/l	1
05415	Ethylbenzene	100-41-4	31.		0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	12.		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	07/08/2003 00:36	Martha L Seidel	1
01594	BTEX + Oxygenates by 8260B	SW-846 8260B	1	07/09/2003 21:57	John B Kiser	1
01594	BTEX + Oxygenates by 8260B	SW-846 8260B	1	07/10/2003 18:50	John B Kiser	2.5
01146	GC VOA Water Prep	SW-846 5030B	1	07/08/2003 00:36	Martha L Seidel	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/09/2003 21:57	John B Kiser	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	2	07/10/2003 18:50	John B Kiser	n.a.

Lancaster Laboratories Sample No. WW 4076471

Collected: 07/01/2003 11:20 by KK

Account Number: 10904

Submitted: 07/03/2003 09:00

ChevronTexaco

Reported: 07/17/2003 at 11:54

6001 Bollinger Canyon Rd L4310

Discard: 08/17/2003

MW-2-W-030701 Grab Water

San Ramon CA 94583

Facility# 93600 Job# 386895

GRD

2200 Telegraph Ave Oakland 15050 MW-2

2GRAP

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.						
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
02011	di-Isopropyl ether	108-20-3	N.D.	0.5		ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5		ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5		ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	5.		ug/l	1
05401	Benzene	71-43-2	N.D.	0.5		ug/l	1
05407	Toluene	108-88-3	N.D.	0.5		ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5		ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5		ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	07/08/2003 01:07	Martha L Seidel	1
01594	BTEX + Oxygenates by 8260B	SW-846 8260B	1	07/10/2003 21:56	John B Kiser	1
01146	GC VOA Water Prep	SW-846 5030B	1	07/08/2003 01:07	Martha L Seidel	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/10/2003 21:56	John B Kiser	n.a.

Lancaster Laboratories Sample No. **WW 4076472**

 Collected: 07/01/2003 10:55 by **KK**

Account Number: 10904

 Submitted: 07/03/2003 09:00
 Reported: 07/17/2003 at 11:54
 Discard: 08/17/2003

 ChevronTexaco
 6001 Bollinger Canyon Rd L4310

 MW-3-W-030701 Grab Water
 Facility# 93600 Job# 386895
 2200 Telegraph Ave Oakland 15050

San Ramon CA 94583

GRD

3GRAP

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.						
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	2.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	07/08/2003 01:37	Martha L Seidel	1
01594	BTEX + Oxygenates by 8260B	SW-846 8260B	1	07/11/2003 16:48	John B Kiser	1
01146	GC VOA Water Prep	SW-846 5030B	1	07/08/2003 01:37	Martha L Seidel	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/11/2003 16:48	John B Kiser	n.a.

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 07/17/03 at 11:54 AM

Group Number: 858171

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 03188A16A TPH-GRO - Waters	N.D.	50.	ug/l	108	108	70-130	0	30
Batch number: P031902AA	Sample number(s): 4076469-4076470							
Ethanol	N.D.	50.	ug/l	112		43-159		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	104		77-127		
di-Isopropyl ether	N.D.	0.5	ug/l	118		74-125		
Ethyl t-butyl ether	N.D.	0.5	ug/l	120		74-120		
t-Amyl methyl ether	N.D.	0.5	ug/l	107		79-113		
t-Butyl alcohol	N.D.	5.	ug/l	121		53-147		
Benzene	N.D.	0.5	ug/l	99		85-117		
Toluene	N.D.	0.5	ug/l	99		85-115		
Ethylbenzene	N.D.	0.5	ug/l	98		82-119		
Xylene (Total)	N.D.	0.5	ug/l	102		84-120		
Batch number: P031911AA	Sample number(s): 4076470-4076471							
Ethanol	N.D.	50.	ug/l	94		43-159		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	89		77-127		
di-Isopropyl ether	N.D.	0.5	ug/l	90		74-125		
Ethyl t-butyl ether	N.D.	0.5	ug/l	90		74-120		
t-Amyl methyl ether	N.D.	0.5	ug/l	90		79-113		
t-Butyl alcohol	N.D.	5.	ug/l	88		53-147		
Benzene	N.D.	0.5	ug/l	90		85-117		
Toluene	N.D.	0.5	ug/l	95		85-115		
Ethylbenzene	N.D.	0.5	ug/l	95		82-119		
Xylene (Total)	N.D.	0.5	ug/l	95		84-120		
Batch number: P031921AA	Sample number(s): 4076472							
Ethanol	N.D.	50.	ug/l	98		43-159		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	91		77-127		
di-Isopropyl ether	N.D.	0.5	ug/l	92		74-125		
Ethyl t-butyl ether	N.D.	0.5	ug/l	92		74-120		
t-Amyl methyl ether	N.D.	0.5	ug/l	91		79-113		
t-Butyl alcohol	N.D.	5.	ug/l	92		53-147		
Benzene	N.D.	0.5	ug/l	91		85-117		
Toluene	N.D.	0.5	ug/l	98		85-115		
Ethylbenzene	N.D.	0.5	ug/l	95		82-119		
Xylene (Total)	N.D.	0.5	ug/l	97		84-120		

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>MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 03188A16A TPH-GRO - Waters	107	104	70-130	2	30				
Batch number: P031902AA	Sample number(s): 4076469-4076470								
Ethanol	124	124	34-163	0	30				
Methyl Tertiary Butyl Ether	105	104	69-134	1	30				
di-Isopropyl ether	125	123	75-130	2	30				
Ethyl t-butyl ether	123	120	73-123	2	30				
t-Amyl methyl ether	106	105	77-117	1	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: 07/17/03 at 11:54 AM

Group Number: 858171

Sample Matrix Quality Control

Analysis Name	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup RPD
	%REC	%REC	Limits	RPD	MAX	Conc	Conc	RPD
t-Butyl alcohol	124	126	39-155	2	30			
Benzene	107	104	83-128	3	30			
Toluene	105	104	83-127	1	30			
Ethylbenzene	104	102	82-134	2	30			
Xylene (Total)	107	104	82-130	3	30			

Batch number: P031911AA	Sample number(s): 4076470-4076471							
Ethanol	105	108	34-163	3	30			
Methyl Tertiary Butyl Ether	92	92	69-134	1	30			
di-Isopropyl ether	95	95	75-130	1	30			
Ethyl t-butyl ether	92	94	73-123	2	30			
t-Amyl methyl ether	88	93	77-117	5	30			
t-Butyl alcohol	93	93	39-155	0	30			
Benzene	96	97	83-128	1	30			
Toluene	103	105	83-127	2	30			
Ethylbenzene	103	104	82-134	0	30			
Xylene (Total)	103	104	82-130	1	30			

Batch number: P031921AA	Sample number(s): 4076472							
Ethanol	95	100	34-163	6	30			
Methyl Tertiary Butyl Ether	(2)	(2)	69-134	0	30			
di-Isopropyl ether	94	93	75-130	1	30			
Ethyl t-butyl ether	91	92	73-123	1	30			
t-Amyl methyl ether	90	95	77-117	3	30			
t-Butyl alcohol	85	88	39-155	3	30			
Benzene	96	94	83-128	2	30			
Toluene	100	102	83-127	2	30			
Ethylbenzene	98	99	82-134	1	30			
Xylene (Total)	100	99	82-130	1	30			

Surrogate Quality Control

 Analysis Name: TPH-GRO - Waters
 Batch number: 03188A16A
 Trifluorotoluene-F

4076469	109
4076470	135
4076471	108
4076472	109
Blank	108
LCS	111
LCSD	113
MS	117
MSD	116

Limits: 57-146

 Analysis Name: BTEX+5 Oxygenates+EDC+EDB+ETOH
 Batch number: P031902AA

Dibromofluoromethane 1,2-Dichloroethane-d4 Toluene-d8 4-Bromofluorobenzene

*- 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: 07/17/03 at 11:54 AM

Group Number: 858171

Surrogate Quality Control

4076469	98	101	91	83
4076470	94	99	89	86
Blank	95	101	93	85
LCS	93	95	91	88
MS	95	97	90	88
MSD	96	101	90	87
<hr/>				
Limits:	81-120	82-112	85-112	83-113

Analysis Name: BTEX+5 Oxygenates+EDC+EDB+ETOH

Batch number: P031911AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4076471	92	92	104	93
Blank	93	92	105	97
LCS	92	94	103	102
MS	93	94	101	102
MSD	92	96	105	103

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

Analysis Name: BTEX+5 Oxygenates+EDC+EDB+ETOH

Batch number: P031921AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4076472	94	95	104	93
Blank	93	93	103	94
LCS	94	93	102	101
MS	93	94	101	100
MSD	93	96	102	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 limit of quantitation, 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.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.