



GETTLER-RYAN INC.

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TRANSMITTAL

March 14, 2003

G-R #386456

TO: Mr. Robert Foss
Cambria Environmental Technology, Inc.
2680 Bishop Drive, Suite 290
San Ramon, CA 94583

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	March 10, 2003	Groundwater Monitoring and Sampling Report First Quarter - Event of February 4, 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 **March 28, 2003**, at which time the final report will be distributed to the following:

cc: Mr. Larry Seto, Alameda County Health Care Services, Dept. of Environmental Health, 1153 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577

Enclosures

trans/9-0338-ks



GETTLER-RYAN INC.

March 10, 2003
G-R Job #386456

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

RE: First Quarter Event of February 4, 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
- For -

Deanna L. Harding
Project Coordinator

Robert C. Mallory
Robert C. Mallory
Registered Geologist, No. 7285

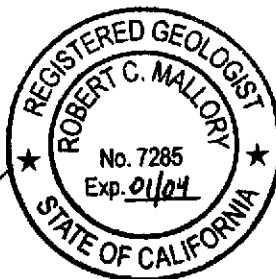
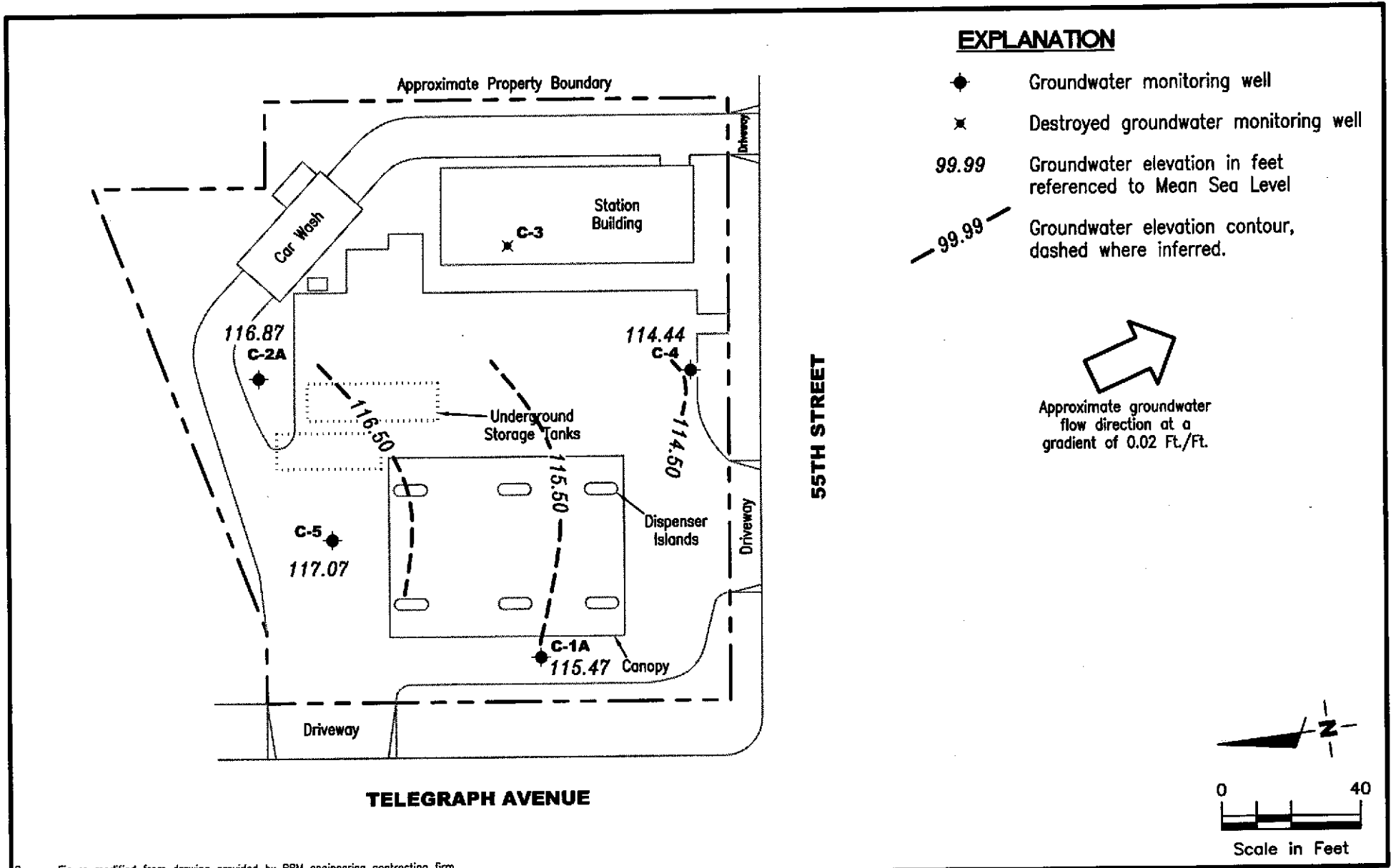


Figure 1: Potentiometric Map
Table 1: Groundwater Monitoring Data and Analytical Results
Table 2: Groundwater Analytical Results - Oxygenate Compounds
Table 3: Groundwater Analytical Results
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and 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
 February 4, 2003

REVISED DATE

FILE NAME: P:\ENVIRO\CHEVRON\9-0338\003-9-0338.DWG | Layout Tab: Pot1

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
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
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

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)									
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
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
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

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-5 (cont)									
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
TRIP BLANK									
05/27/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/02/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
10/27/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
02/11/00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
05/10/00	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
07/27/00	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
11/21/00	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
02/05/01	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
05/07/01	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
08/06/01	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
QA									
11/12/01	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
02/11/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
05/13/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
08/09/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
11/07/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
02/04/03	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5

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.

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

WELL ID	DATE	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)
C-1A	02/11/02	<100	4	<2	<2	<2
C-2A	02/11/02	<100	<2	<2	<2	<2
C-4	02/11/02	<100	62	<2	<2	<2
C-5	02/11/02	<100	140	<2	<2	<2

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

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 Job Number: 386456
 Site Address: 5500 Telegraph Avenue Event Date: 2.4.03 (inclusive)
 City: Oakland, CA Sampler: FT

Well ID: C-1A Date Monitored: 2-4-03 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 19.45 ft.
 Depth to Water: 7.80 ft.
11.65 xVF .17 = 1.98 x3 (case volume) = Estimated Purge Volume: 5.94 gal.

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

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: _____ 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): 2:48 Weather Conditions: SUNNY
 Sample Time/Date: 3:06 / 2.4.03 Water Color: CLEAR Odor: Yes
 Purging Flow Rate: 1 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>2:52</u>	<u>2.0</u>	<u>7.86</u>	<u>497</u>	<u>16.8</u>		
<u>2:56</u>	<u>4.0</u>	<u>7.82</u>	<u>492</u>	<u>17.2</u>		
<u>3:00</u>	<u>6.0</u>	<u>7.69</u>	<u>502</u>	<u>17.5</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>C-1A</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8021)</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: 2.4.03 (inclusive)
 City: Oakland, CA Sampler: FT

Well ID: C-2A Date Monitored: 2.4.03 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 20.25 ft.
 Depth to Water: 9.02 ft.
 Volume Factor (VF) table:

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 .17 = 1.90 x3 (case volume) = Estimated Purge Volume: 5.72 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: _____ 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): 1:11 Weather Conditions: SUNNY
 Sample Time/Date: 1:26 / 2.4.03 Water Color: CLEAR Odor: NO
 Purging Flow Rate: / gpm. Sediment Description: _____
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1:14</u>	<u>2.0</u>	<u>7.80</u>	<u>570</u>	<u>16.2</u>	_____	_____
<u>1:18</u>	<u>4.0</u>	<u>7.73</u>	<u>584</u>	<u>16.5</u>	_____	_____
<u>1:21</u>	<u>6.0</u>	<u>7.62</u>	<u>593</u>	<u>16.7</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>C-2A</u>	<u>3</u> x vov vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8021)</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: 2.4.03 (inclusive)
 City: Oakland, CA Sampler: FT

Well ID: C-4 Date Monitored: 2.4.03 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 19.49 ft.
 Depth to Water: 10.96 ft.
8.53 xVF .17 = 1.45 x3 (case volume) = Estimated Purge Volume: 4.35 gal.

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

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

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

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

Start Time (purge): 1:42 Weather Conditions: SUNNY
 Sample Time/Date: 1:56 / 2.4.03 Water Color: CLEAR Odor: NO
 Purging Flow Rate: 1 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>1:45</u>	<u>1.5</u>	<u>7.55</u>	<u>534</u>	<u>17.3</u>	_____	_____
<u>1:48</u>	<u>3.0</u>	<u>7.52</u>	<u>536</u>	<u>17.6</u>	_____	_____
<u>1:51</u>	<u>4.0</u>	<u>7.49</u>	<u>554</u>	<u>17.8</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>C-4</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8021)</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: 2.4.03 (inclusive)
 City: Oakland, CA Sampler: FT

Well ID: C-5 Date Monitored: 2.4.03 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 20.24 ft.
 Depth to Water: 7.08 ft.
13.16 xVF .17 = 2.23 x3 (case volume) = Estimated Purge Volume: 6.71 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: _____ 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): 2:11 Weather Conditions: SUNNY
 Sample Time/Date: 2:30 / 2.4.03 Water Color: CLOUDY / TUR Odor: NO
 Purging Flow Rate: 1 gpm. Sediment Description: S. SILTY
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>2:16</u>	<u>2.5</u>	<u>7.40</u>	<u>8.02</u>	<u>16.3</u>	_____	_____
<u>2:21</u>	<u>5.0</u>	<u>7.36</u>	<u>8.06</u>	<u>16.7</u>	_____	_____
<u>2:25</u>	<u>7.0</u>	<u>7.29</u>	<u>8.12</u>	<u>17.3</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>C-5</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8021)</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: _____

Add/Replaced Lock: Add/Replaced Plug: Size: 2"

Chevron California Region Analysis Request/Chain of Custody



020503-011

Acct. #: 10904 For Lancaster Laboratories use only
 Sample #: 3990395-99

SCR#: _____

514 840466

Facility #: 9-0338 Job #386456 Global ID#T0600100347 Site Address: 5500 TELEGRAPH AVE., OAKLAND, CA Chevron PM: KS Lead Consultant: CAMBRIA Consultant/Office: G-R, Inc., 6747 Sierra Court, Dublin, Ca 94568 Consultant Prj. Mgr.: Deanna L. Harding (Deanna@grinc.com) Consultant Phone #: 925-551-7555 Fax #: 925-551-7899 Sampler: FRANK TERRINONI Service Order #: _____ <input type="checkbox"/> Non SAR: _____				Matrix <input type="checkbox"/> Potable Water <input type="checkbox"/> NPDES <input type="checkbox"/> Soil <input type="checkbox"/> Air <input type="checkbox"/> Oil		Analyses Requested <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="10">Preservation Codes</th> </tr> <tr> <td>H</td><td>H</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>BTEX + MTBE 8260</td><td><input checked="" type="checkbox"/> 8021</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>TPH 8015 MOD GRO</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>TPH 8015 MOD DRO</td><td><input type="checkbox"/> Silica Gel Cleanup</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>8260 full scan</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Oxygenates</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Lead 7420</td><td><input type="checkbox"/> 7421</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>										Preservation Codes										H	H									BTEX + MTBE 8260	<input checked="" type="checkbox"/> 8021									TPH 8015 MOD GRO										TPH 8015 MOD DRO	<input type="checkbox"/> Silica Gel Cleanup									8260 full scan										Oxygenates										Lead 7420	<input type="checkbox"/> 7421									Preservative Codes H = HCl T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ O = Other <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds 8021 MTBE Confirmation <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run ___ oxy s on highest hit <input type="checkbox"/> Run ___ oxy s on all hits	
Preservation Codes																																																																																																	
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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	Comments / Remarks																																																																														
QA			2.4.03								2	X	X																																																																																				
C-1A			↓	1506	X						3	X	X																																																																																				
C-2A			↓	1326	X						3	X	X																																																																																				
C-4			↓	1356	X						3	X	X																																																																																				
C-5			↓	1430	X						3	X	X																																																																																				

Turnaround Time Requested (TAT) (please circle) <input checked="" type="radio"/> STD. TAT 24 hour <input type="radio"/> 72 hour <input type="radio"/> 48 hour <input type="radio"/> 4 day <input type="radio"/> 5 day		Relinquished by: <u>Frank Terrinoni</u> Date: <u>2.4.03</u> Time: _____ Relinquished by: <u>D Name</u> Date: <u>2/15/03</u> Time: <u>1335</u> Relinquished by: <u>Bernardo Amaya</u> Date: <u>2/15/03</u> Time: <u>1630</u>		Received by: <u>D Name</u> Date: <u>2/5/03</u> Time: _____ Received by: <u>Bernardo Amaya</u> Date: <u>2/5/03</u> Time: <u>1335</u> Received by: <u>Airborne</u> Date: <u>2/5/03</u> Time: _____	
Data Package Options (please circle if required) QC Summary Type I — Full Type VI (Raw Data) <input type="checkbox"/> Coelt Deliverable not needed WIP (RWQCB) Disk		Relinquished by Commercial Carrier: UPS FedEx Other <u>Airborne</u>		Received by: <u>Kathy Pinkley</u> Date: <u>2-8-03</u> Time: <u>0930</u> Custody Seals Intact? Yes <input checked="" type="radio"/> No <input checked="" type="radio"/> (N/A)	
		Temperature Upon Receipt <u>30.92°C</u>			



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

FEB 25 2003
GETTLER-RYAN INC.
GENERAL CONTRACTORS

SAMPLE GROUP

The sample group for this submittal is 840466. Samples arrived at the laboratory on Thursday, February 06, 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-030204	NA	Water	3990395
C-1A-W-030204	Grab	Water	3990396
C-2A-W-030204	Grab	Water	3990397
C-4-W-030204	Grab	Water	3990398
C-5-W-030204	Grab	Water	3990399

1 COPY TO

Cambria C/O Gettler- Ryan

Attn: Deanna L. Harding

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

Respectfully Submitted,

Victoria M. Martell
Chemist



CASE NARRATIVE

Prepared For:

Karen Streich
ChevronTexaco
6001 Bollinger Canyon Road L4310
San Ramon, CA 94583-0904

Prepared By:

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

SAMPLE GROUP

The sample group for this submittal is 840466. Samples arrived at the laboratory on Thursday, February 06, 2003.

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the laboratory chronicles.

COMMENTS

The relative percent difference for TPH-GRO between the MS/MSD associated with samples C-4 and C-5 from Facility 90338 was outside QC criteria. This compound met RPD criteria in the LCS/LCSD analyses.



Lancaster Laboratories Sample No. WW 3990395

Collected: 02/04/2003 00:00

Account Number: 10904

Submitted: 02/06/2003 09:15

ChevronTexaco

Reported: 02/24/2003 at 10:01

6001 Bollinger Canyon Rd L4310

Discard: 03/27/2003

QA-T-030204 NA Water
Facility# 90338 Job# 386456 GRD
5500 Telegraph Ave T0600100347 QA

San Ramon CA 94583

TELQA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	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.						
02159	BTEX, MTBE					
02161	Benzene	71-43-2	N.D.	0.50	ug/l	1
02164	Toluene	108-88-3	N.D.	0.50	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	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
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	02/07/2003 10:07	Linda C Pape	1
02159	BTEX, MTBE	SW-846 8021B	1	02/07/2003 10:07	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	02/07/2003 10:07	Linda C Pape	n.a.





Lancaster Laboratories Sample No. **WW 3990396**

Collected: 02/04/2003 15:06 by FT

Account Number: 10904

Submitted: 02/06/2003 09:15

ChevronTexaco

Reported: 02/24/2003 at 10:01

6001 Bollinger Canyon Rd L4310

Discard: 03/27/2003

C-1A-W-030204

Grab Water

San Ramon CA 94583

Facility# 90338

Job# 386456

GRD

5500 Telegraph Ave

T0600100347 C-1A

TELLA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	640.	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.						
02159	BTEX, MTBE					
02161	Benzene	71-43-2	N.D.	2.0	ug/l	1
02164	Toluene	108-88-3	N.D.	2.0	ug/l	1
02166	Ethylbenzene	100-41-4	4.4	0.50	ug/l	1
02171	Total Xylenes	1330-20-7	6.3	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	7.8	2.5	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.

Due to the presence of interferences near their retention time, normal reporting limits were not attained for benzene and toluene. The presence or concentration of these compounds cannot be determined below the reporting limits due to the presence of these interferences.

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
01729	TPH-GRO - Waters	N. CA LUFT Gasoline	1	02/07/2003 17:11	Linda C Pape	1
02159	BTEX, MTBE	SW-846 8021B	1	02/07/2003 17:11	Linda C Pape	1



Lancaster Laboratories, Inc.
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425



Lancaster Laboratories Sample No. WW 3990396

Collected: 02/04/2003 15:06 by FT

Account Number: 10904

Submitted: 02/06/2003 09:15

ChevronTexaco

Reported: 02/24/2003 at 10:01

6001 Bollinger Canyon Rd L4310

Discard: 03/27/2003

C-1A-W-030204 Grab Water

San Ramon CA 94583

Facility# 90338 Job# 386456 GRD

5500 Telegraph Ave T0600100347 C-1A

TEL1A

01146 GC VOA Water Prep

SW-846 5030B

1 02/07/2003 17:11 Linda C Pape

n.a.



Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681



Lancaster Laboratories Sample No. WW 3990397

Collected: 02/04/2003 13:26 by FT

Account Number: 10904

Submitted: 02/06/2003 09:15
 Reported: 02/24/2003 at 10:01
 Discard: 03/27/2003

ChevronTexaco
 6001 Bollinger Canyon Rd L4310

C-2A-W-030204 Grab Water San Ramon CA 94583
 Facility# 90338 Job# 386456 GRD
 5500 Telegraph Ave T0600100347 C-2A

TEL2A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	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.						
02159	BTEX, MTBE					
02161	Benzene	71-43-2	N.D.	0.50	ug/l	1
02164	Toluene	108-88-3	N.D.	0.50	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	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
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	02/07/2003 17:44	Linda C Pape	1
02159	BTEX, MTBE	SW-846 8021B	1	02/07/2003 17:44	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	02/07/2003 17:44	Linda C Pape	n.a.



Lancaster Laboratories Sample No. WW 3990398

Collected: 02/04/2003 13:56 by FT

Account Number: 10904

Submitted: 02/06/2003 09:15

ChevronTexaco

Reported: 02/24/2003 at 10:01

6001 Bollinger Canyon Rd L4310

Discard: 03/27/2003

C-4-W-030204 Grab Water
Facility# 90338 Job# 386456 GRD
5500 Telegraph Ave T0600100347 C-4

San Ramon CA 94583

TELC4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	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.						
The relative percent difference for TPH-GRO between the MS/MSD associated with this sample was outside QC criteria. This compound met RPD criteria in the LCS/LCSD analyses.						
02159	BTEX, MTBE					
02161	Benzene	71-43-2	N.D.	0.50	ug/l	1
02164	Toluene	108-88-3	N.D.	0.50	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	81.	2.5	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			
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	02/07/2003 18:42		K. Robert Caulfeild-James	1
02159	BTEX, MTBE	SW-846 8021B	1	02/07/2003 18:42		K. Robert Caulfeild-James	1
01146	GC VOA Water Prep	SW-846 5030B	1	02/07/2003 18:42		K. Robert Caulfeild-James	n.a.





Lancaster Laboratories Sample No. WW 3990399

Collected: 02/04/2003 14:30 by FT

Account Number: 10904

Submitted: 02/06/2003 09:15

ChevronTexaco

Reported: 02/24/2003 at 10:01

6001 Bollinger Canyon Rd L4310

Discard: 03/27/2003

C-5-W-030204 Grab Water

San Ramon CA 94583

Facility# 90338 Job# 386456 GRD

5500 Telegraph Ave T0600100347 C-5

TELC5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	2,300.	50.	ug/l	1
	The relative percent difference for TPH-GRO between the MS/MSD associated with this sample was outside QC criteria. This compound met RPD criteria in the LCS/LCSD analyses.					
02159	BTEX, MTBE					
02161	Benzene	71-43-2	210.	0.50	ug/l	1
02164	Toluene	108-88-3	4.4	0.50	ug/l	1
02166	Ethylbenzene	100-41-4	250.	0.50	ug/l	1
02171	Total Xylenes	1330-20-7	53.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	490.	2.5	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
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	02/07/2003 19:15	K. Robert Caulfeild-James	1
02159	BTEX, MTBE	SW-846 8021B	1	02/07/2003 19:15	K. Robert Caulfeild-James	1
01146	GC VOA Water Prep	SW-846 5030B	1	02/07/2003 19:15	K. Robert Caulfeild-James	n.a.



Lancaster Laboratories, Inc.
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425
 717-656-2300 Fax: 717-656-2681



Quality Control Summary

Client Name: ChevronTexaco

Group Number: 840466

Reported: 02/24/03 at 10:01 AM

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: 03037A51A Sample number(s): 3990395								
TPH-GRO - Waters	N.D.	50.	ug/l	100	109	70-130	9	30
Benzene	N.D.	.5	ug/l	95	97	80-118	2	30
Toluene	N.D.	.5	ug/l	94	95	82-119	1	30
Ethylbenzene	N.D.	.5	ug/l	92	93	81-119	1	30
Total Xylenes	N.D.	1.5	ug/l	95	95	82-120	0	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	91	90	79-127	1	30
Batch number: 03037A51B Sample number(s): 3990396-3990397								
TPH-GRO - Waters	N.D.	50.	ug/l	100	109	70-130	9	30
Benzene	N.D.	.5	ug/l	95	97	80-118	2	30
Toluene	N.D.	.5	ug/l	94	95	82-119	1	30
Ethylbenzene	N.D.	.5	ug/l	92	93	81-119	1	30
Total Xylenes	N.D.	1.5	ug/l	95	95	82-120	0	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	91	90	79-127	1	30
Batch number: 03038A53A Sample number(s): 3990398-3990399								
TPH-GRO - Waters	N.D.	50.	ug/l	92	95	70-130	2	30
Benzene	N.D.	.5	ug/l	104	94	80-118	10	30
Toluene	N.D.	.5	ug/l	111	101	82-119	9	30
Ethylbenzene	N.D.	.5	ug/l	103	95	81-119	9	30
Total Xylenes	N.D.	1.5	ug/l	104	96	82-120	9	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	94	91	79-127	3	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>MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 03037A51A Sample number(s): 3990395									
TPH-GRO - Waters	88		70-130						
Benzene	92		67-136						
Toluene	89		78-129						
Ethylbenzene	86		75-133						
Total Xylenes	87		86-132						
Methyl tert-Butyl Ether	84		66-136						
Batch number: 03037A51B Sample number(s): 3990396-3990397									
TPH-GRO - Waters	88		70-130						
Benzene	92		67-136						
Toluene	89		78-129						

*- 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: 02/24/03 at 10:01 AM

Group Number: 840466

Sample Matrix Quality Control

Analysis Name	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
	%REC	%REC	Limits	RPD	MAX	Conc	Conc	RPD
								Max
Ethylbenzene	86		75-133					
Total Xylenes	87		86-132					
Methyl tert-Butyl Ether	84		66-136					
Batch number: 03038A53A		Sample number(s): 3990398-3990399						
TPH-GRO - Waters	76	112	70-130	39*	30			
Benzene	107	110	67-136	3	20			
Toluene	113	112	78-129	1	30			
Ethylbenzene	105	103	75-133	2	30			
Total Xylenes	105	102	86-132	2	30			
Methyl tert-Butyl Ether	100	105	66-136	4	30			

Surrogate Quality Control

Analysis Name: BTEX, MTBE
 Batch number: 03037A51A

	Trifluorotoluene-F	Trifluorotoluene-P
3990395	96	90
Blank	97	90
LCS	97	91
LCS D	99	92
MS	97	92
Limits:	57-146	66-136

Analysis Name: BTEX, MTBE
 Batch number: 03037A51B

	Trifluorotoluene-F	Trifluorotoluene-P
3990396	109	92
3990397	95	92
Blank	95	92
LCS	97	91
LCS D	99	92
MS	97	92
Limits:	57-146	66-136

Analysis Name: BTEX, MTBE
 Batch number: 03038A53A

*- 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.





Alameda County

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Quality Control Summary

Environmental Health

Client Name: ChevronTexaco
Reported: 02/24/03 at 10:01 AM

Group Number: 840468

Surrogate Quality Control

	Trifluorotoluene-F	Trifluorotoluene-P
3990398	95	98
3990399	111	105
Blank	100	95
LCS	98	101
LCSD	95	96
MS	97	104
MSD	96	107
Limits:	57-146	66-136

*- 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.



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