



GETTLER-RYAN INC.

TRANSMITTAL

APR 09 2002

Baum

March 21, 2002
G-R #386456

TO: Mr. James Brownell
Delta Environmental Consultants, Inc.
3164 Gold Camp Drive, Suite 200
Rancho Cordova, California 95670

CC: Mr. Thomas Bauhs
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 19, 2002	Groundwater Monitoring and Sampling Report First Quarter - Event of February 11, 2002

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 *April 4, 2002*, 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
- Mr. Greg Gurss, Gettler-Ryan Inc., 3140 Gold Camp Drive, Suite 170, Rancho Cordova, CA 95670

Enclosures

trans/9-0338-tb



GETTLER - RYAN INC.

March 19, 2002
G-R Job #386456

Mr. Thomas Bauhs
Chevron Products Company
P.O. Box 6004
San Ramon, CA 94583

RE: First Quarter Event of February 11, 2002
Groundwater Monitoring & Sampling Report
Chevron Service Station #9-0338
5500 Telegraph Avenue
Oakland, California

APR 09 2002

Dear Mr. Bauhs:

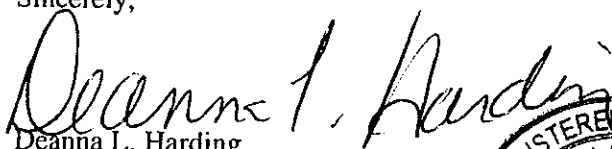
This report documents the most recent groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R) at the referenced site. All field work was conducted in accordance with G-R Standard Operating Procedure - Groundwater Sampling (attached).

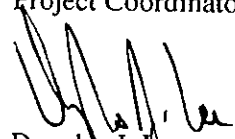
Static groundwater levels were measured and the wells were checked for the presence of separate-phase hydrocarbons. Static water level data, groundwater elevations, and separate-phase hydrocarbon thickness (if any) are presented in the attached Table 1. A Potentiometric Map is included as Figure 1.

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


Douglas J. Lee
Senior Geologist, R.G. No. 6882

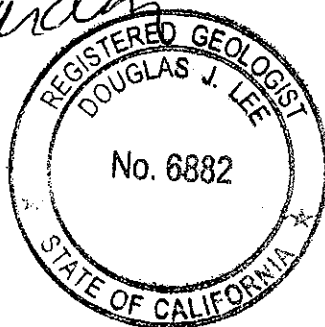
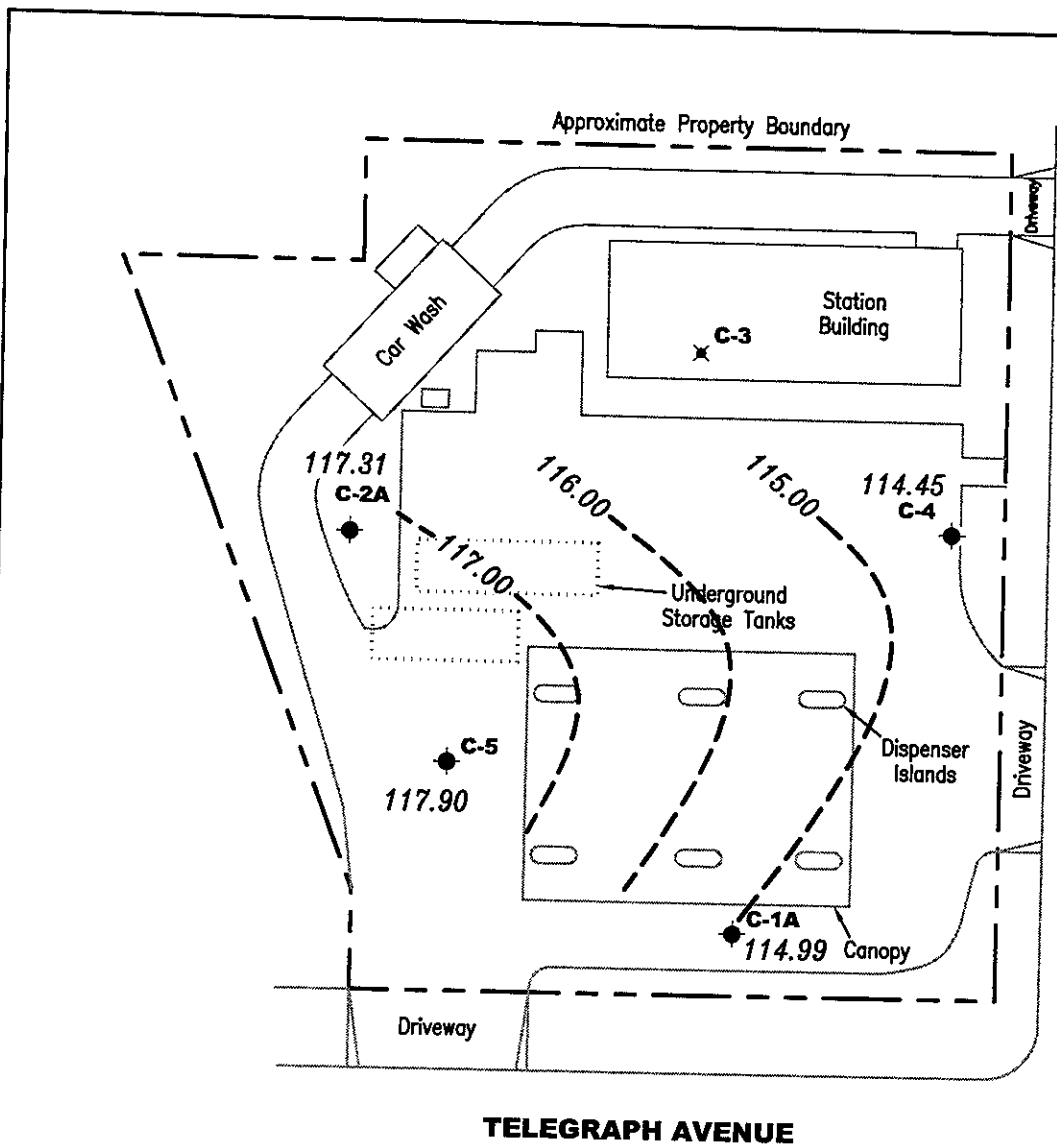



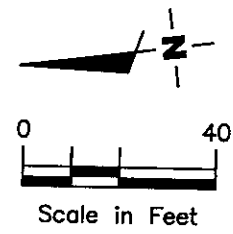
Figure 1: Potentiometric Map
Table 1: Groundwater Monitoring Data and Analytical Results
Table 2: Groundwater Analytical Results - Oxygenate Compounds
Table 3: Groundwater Analytical Results
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and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



EXPLANATION

- ◆ Groundwater monitoring well
- ✕ Destroyed 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 0.03 Ft./Ft.



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 11, 2002

REVISED DATE

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
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
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

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-0338
5500 Telegraph Avenue
Oakland, California

WELL ID/ DATE	TOC (<i>ft.</i>)	GWE (<i>mst</i>)	DTW (<i>ft.</i>)	TPH-G (<i>ppb</i>)	B (<i>ppb</i>)	T (<i>ppb</i>)	E (<i>ppb</i>)	X (<i>ppb</i>)	MTBE (<i>ppb</i>)
C-4 (cont)									
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
02/11/02⁴	125.40	114.45	10.95	<50	<0.50	<0.50	<0.50	<1.5	72/62³
C-5									
05/27/99	124.15	117.54	6.61	2,800	350	73	32	280	2,200/2,500 ²
09/02/99	124.15	116.27	7.88	570	9.0	<2.5	<2.5	<2.5	890
10/27/99	124.15	116.90	7.25	543	4.22	<0.5	3.28	<0.5	845/1,080 ²
02/11/00	124.15	117.41	6.74	488	0.56	<0.5	1.45	<0.5	565
05/10/00	124.15	118.36	5.79	140 ¹	3.6	1.2	0.53	2.0	380
07/27/00	124.15	116.92	7.23	260 ¹	1.4	1.2	0.93	2.8	460
11/21/00	124.15	117.47	6.68	130 ¹	0.74	0.73	<0.50	<0.50	350
02/05/01	124.15	117.74	6.41	111	<1.00	<1.00	<1.00	<1.00	197
05/07/01	124.15	117.91	6.24	100 ¹	2.1	1.0	<0.50	0.80	210
08/06/01	124.15	116.74	7.41	94 ¹	0.84	1.2	0.54	1.5	360
11/12/01	124.15	116.82	7.33	58	<0.50	<0.50	<0.50	<1.5	280
02/11/02	124.15	117.90	6.25	<50	<0.50	<0.50	<0.50	<1.5	150/140³
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

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)
TRIP BLANK (cont)									
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				<50	<0.50	<0.50	<0.50	<0.50	<2.5
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

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

- 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, static water level measurements are collected with the interface probe and are also recorded in the field notes.

After water levels are collected and prior to sampling, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, suction, Grundfos), or polyvinyl chloride 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 Chevron-designated 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.

**WELL MONITORING/SAMPLING
FIELD DATA SHEET.**

Client/ CHEVRON

Facility # 9-0338

Job#: 386456

Address: 5500 Telegraph Ave.

Date: 2/11/02

City: Oakland, CA

Sampler: T.C

Well ID C-1A

Well Condition: o.k.

Well Diameter 2 in.

Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)

Total Depth 19.20 ft.

Depth to Water 8.28 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

10.92 X VF .17 = 1.8 X 3 (case volume) = Estimated Purge Volume: 5 1/2 (gal.)

Purge Equipment: Disposable Bailer
Bailer
Stack
Suction
Grundfos
Other: _____

Sampling Equipment: Disposable Bailer
Bailer
Pressure Bailer
Grab Sample
Other: _____

Starting Time: 1334

Weather Conditions: Sunny

Sampling Time: 1345

Water Color: cloudy Odor: yes

Purging Flow Rate: _____ gpm.

Sediment Description: _____

Did well de-water? NO

If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1336</u>	<u>2.0</u>	<u>7.38</u>	<u>792</u>	<u>66.1</u>			
<u>1339</u>	<u>4.0</u>	<u>7.29</u>	<u>810</u>	<u>65.2</u>			
<u>1342</u>	<u>5.5</u>	<u>7.26</u>	<u>813</u>	<u>64.9</u>			
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>C-1A</u>	<u>6X1000WAL</u>	<u>Y</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH(G)/btex/mtbe</u>
					<u>(5)oxy 8260</u>

COMMENTS: _____

**WELL MONITORING/SAMPLING
FIELD DATA SHEET.**

Client/ CHEVRON

Facility # 9-0338

Job#: 386456

Address: 5500 Telegraph Ave.

Date: 2/11/02

City: Oakland, CA

Sampler: T.C.

Well ID C-2A

Well Condition: o.k.

Well Diameter 2 in.

Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)

Total Depth 20.15 ft.

Depth to Water 8.58 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

11.57 X VF .17 = 1.9 X 3 (case volume) = Estimated Purge Volume: 6.0 (gal.)

Purge Equipment: Disposable Bailer
 Bailer
 Stack
 Suction
 Grundfos
 Other: _____

Sampling Equipment: Disposable Bailer
 Bailer
 Pressure Bailer
 Grab Sample
 Other: _____

Starting Time: 1245

Weather Conditions: Sunny

Sampling Time: 1300

Water Color: cloudy Odor: NO

Purging Flow Rate: _____ gpm.

Sediment Description: _____

Did well de-water? NO

If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1245</u>	<u>2.0</u>	<u>7.16</u>	<u>942</u>	<u>65.6</u>			
<u>1252</u>	<u>4.0</u>	<u>7.04</u>	<u>936</u>	<u>65.1</u>			
<u>1255</u>	<u>6.0</u>	<u>6.98</u>	<u>921</u>	<u>64.6</u>			
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>C-2A</u>	<u>6 LITERS</u>	<u>Y</u>	<u>HC</u>	<u>LANCASTER</u>	<u>TPH(G)/btex/mtbe</u>
					<u>(5) Oxy's (260)</u>

COMMENTS: _____

**WELL MONITORING/SAMPLING
FIELD DATA SHEET.**

Client/ CHEVRON

Facility # 9-0338

Job#: 386456

Address: 5500 Telegraph Ave

Date: 2/11/02

City: Oakland, CA

Sampler: T.C

Well ID C-4

Well Condition: o.k

Well Diameter 2 in.

Hydrocarbon Thickness: 0 (feet) Amount Bailed (Gallons)

Total Depth 19.32 ft.

Depth to Water 10.95 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

8.37 X VF 0.17 = 1.4 X 3 (case volume) = Estimated Purge Volume: 4.0 (gal.)

Purge Equipment: Disposable Bailer
Bailer
Stack
Suction
Grundfos
Other: _____

Sampling Equipment: Disposable Bailer
Bailer
Pressure Bailer
Grab Sample
Other: _____

Starting Time: 1200

Weather Conditions: Sunny

Sampling Time: 1212

Water Color: Brown Odor: NO

Purging Flow Rate: — gpm.

Sediment Description: Silty

Did well de-water? NO

If yes: Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1202</u>	<u>1.5</u>	<u>7.15</u>	<u>910</u>	<u>65.6</u>			
<u>1204</u>	<u>3.0</u>	<u>7.12</u>	<u>892</u>	<u>65.2</u>			
<u>1206</u>	<u>4.0</u>	<u>7.02</u>	<u>846</u>	<u>63.4</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>C-4</u>	<u>9 X 0000:AL</u>	<u>Y</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH(G)/btex/mtbe</u>
<u>C-4</u>	<u>4 X AMBER</u>	<u>Y</u>	<u>NP/HCL</u>	<u> " "</u>	<u>(S) OXYG, CHLORINATED HYDROCARBON 8021</u>
<u>C-4</u>	<u>1 X 500ML /SLR</u>	<u>Y</u>	<u>HNO3</u>	<u> " "</u>	<u>TPH-D / TPH 418.1</u> <u>TOTAL METALS 6010B</u>

COMMENTS: _____

**WELL MONITORING/SAMPLING
FIELD DATA SHEET**

Client/ CHEVRON

Facility # 9-0338

Job#: 386456

Address: 5500 Telegraph Ave

Date: 2/11/02

City: Oakland, CA

Sampler: T-U

Well ID C-5

Well Condition: O.K.

Well Diameter 2 in.

Hydrocarbon Thickness: Ø (feet) Amount Bailed (product/water): Ø (Gallons)

Total Depth 20.00 ft.

Depth to Water 6.25 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

13.75 X VF .17 = 2.3 X 3 (case volume) = Estimated Purge Volume: 7.0 (gal.)

Purge Equipment: Disposable Bailer
Bailer
Stack
Suction
Grundfos
Other: _____

Sampling Equipment: Disposable Bailer
Bailer
Pressure Bailer
Grab Sample
Other: _____

Starting Time: 1307

Weather Conditions: Sunny

Sampling Time: 1322

Water Color: Cloudy Odor: NO

Purging Flow Rate: _____ gpm.

Sediment Description: _____

Did well de-water? NO

If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1310</u>	<u>2.5</u>	<u>7.21</u>	<u>898</u>	<u>66.0</u>			
<u>1314</u>	<u>5.0</u>	<u>7.16</u>	<u>864</u>	<u>65.1</u>			
<u>1318</u>	<u>7.0</u>	<u>7.12</u>	<u>862</u>	<u>64.8</u>			
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>C-5</u>	<u>6XUOAV:AD</u>	<u>Y</u>	<u>ITL</u>	<u>LANCASTER</u>	<u>TPH(G)/btex/mtbe</u> <u>(5) OXYS BELOW</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: 1-Bolt Hole on lid is Broken, but lid is secure w/ one bolt, flanges and bolt holes are O.K. - Lid type - MORRISON 7-418KA



ANALYTICAL RESULTS

Prepared for:

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904
925-842-8582

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 796776. Samples arrived at the laboratory on Wednesday, February 13, 2002. The PO# for this group is 99011184 and the release number is BAUHS.

<u>Client Description</u>		<u>Lancaster Labs Number</u>
QA-T-020211	NA Water	3773184
C-1A-W-020211	Grab Water	3773185
C-2A-W-020211	Grab Water	3773186
C-4-W-020211	Grab Water	3773187
C-5-W-020211	Grab Water	3773188

METHODOLOGY

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

1 COPY TO

Delta C/O Gettler-Ryan

Attn: Deanna L. Harding



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



Lancaster Laboratories

Where quality is a science.

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

Respectfully Submitted,

Christine M. Dufaney
Sr. Chemist



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 3773184

Collected: 02/11/2002 00:00

Account Number: 10905

Submitted: 02/13/2002 09:20
 Reported: 02/26/2002 at 16:29
 Discard: 03/29/2002
 QA-T-020211

Chevron Products Company
 6001 Bollinger Canyon Road
 Building L PO Box 6004
 San Ramon CA 94583-0904

NA Water

Facility# 90338 Job# 386456 GRD
 5500 Telegraph-Oakland T0600100347 QA

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.						
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	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		
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	02/18/2002 17:34	Melissa D Mann	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	02/18/2002 17:34	Melissa D Mann	1
01146	GC VOA Water Prep	SW-846 5030B	1	02/18/2002 17:34	Melissa D Mann	n.a.

#=Laboratory Method Detection Limit exceeded target detection limit
 N.D.=Not detected Above the Reporting Limit



2476 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425
 717-656-2300 Fax: 717-656-2681



Lancaster Laboratories Sample No. **WW 3773185**

Collected: 02/11/2002 13:45 by TC

Account Number: 10905

Submitted: 02/13/2002 09:20

Chevron Products Company

Reported: 02/26/2002 at 16:29

6001 Bollinger Canyon Road

Discard: 03/29/2002

Building L PO Box 6004

C-1A-W-020211 Grab Water

San Ramon CA 94583-0904

Facility# 90338 Job# 386456 GRD
5500 Telegraph-Oakland T0600100347 C-1A

TOC1A

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.	820.	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.						
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	1.3	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	21.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	7.7	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	5.7	2.5	ug/l	1
01595	Oxygenates by 8260B					
02010	Methyl t-butyl ether	1634-04-4	4.	2.	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	2.	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	2.	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	2.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	100.	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
---------	---------------	--------	--------	------------------------	---------	-----------------

#=Laboratory Method Detection Limit exceeded target detection limit
N.D.=Not detected. #=Not detected above the Reporting Limit



2425 New Holland Pike
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681



Lancaster Laboratories Sample No. WW 3773185

Collected: 02/11/2002 13:45 by TC

Account Number: 10905

Submitted: 02/13/2002 09:20

Reported: 02/26/2002 at 16:29

Discard: 03/29/2002

C-1A-W-020211

Grab Water

Chevron Products Company

6001 Bollinger Canyon Road

Building L PO Box 6004

San Ramon CA 94583-0904

Facility# 90338 Job# 386456 GRD
5500 Telegraph-Oakland T0600100347 C-1A

TOC1A						
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	02/18/2002 18:09	Melissa D Mann	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	02/18/2002 18:09	Melissa D Mann	1
01595	Oxygenates by 8260B	SW-846 8260B	1	02/19/2002 14:46	Roy R Mellott Jr	1
01146	GC VOA Water Prep	SW-846 5030B	1	02/18/2002 18:09	Melissa D Mann	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	02/19/2002 14:46	Roy R Mellott Jr	n.a.

#=Laboratory Method Detection Limit exceeded target detection limit
N.D.=Not detected Above the Reporting Limit



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



Lancaster Laboratories Sample No. **WW 3773186**

Collected: 02/11/2002 13:00 by TC

Account Number: 10905

Submitted: 02/13/2002 09:20
 Reported: 02/26/2002 at 16:29
 Discard: 03/29/2002

Chevron Products Company
 6001 Bollinger Canyon Road
 Building L PO Box 6004
 San Ramon CA 94583-0904

C-2A-W-020211 Grab Water

Facility# 90338 Job# 386456 GRD
 5500 Telegraph-Oakland T0600100347 C-2A

TOC2A

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.						
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1
01595	Oxygenates by 8260B					
02010	Methyl t-butyl ether	1634-04-4	N.D.	2.	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	2.	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	2.	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	2.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	100.	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
---------	---------------	--------	--------	------------------------	---------	-----------------

#=Laboratory Method Detection Limit exceeded target detection limit
 N.D.=Not detected or Below Reporting Limit



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 717-656-2300 Fax: 717-656-2681



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Lancaster Laboratories Sample No. **WW 3773186**

Collected: 02/11/2002 13:00 by TC

Account Number: 10905

Submitted: 02/13/2002 09:20

Reported: 02/26/2002 at 16:29

Discard: 03/29/2002

C-2A-W-020211

Grab

Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 90338 Job# 386456 GRD
5500 Telegraph-Oakland T0600100347 C-2A

TOC2A						
01729	TPH-GRO - Waters	N. CA LUFT Gasoline	1	02/18/2002 18:44	Melissa D Mann	1
		Method				
08214	BTEX, MTBE (8021)	SW-846 8021B	1	02/18/2002 18:44	Melissa D Mann	1
01595	Oxygenates by 8260B	SW-846 8260B	1	02/19/2002 15:12	Roy R Mellott Jr	1
01146	GC VOA Water Prep	SW-846 5030B	1	02/18/2002 18:44	Melissa D Mann	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	02/19/2002 15:12	Roy R Mellott Jr	n.a.

#=Laboratory Method Detection Limit exceeded target detection limit
N.D.=Not detected or Above the Reporting Limit



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



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Where quality is a science.

Lancaster Laboratories Sample No. WW 3773187

Collected: 02/11/2002 12:12 by TC

Account Number: 10905

Submitted: 02/13/2002 09:20
Reported: 02/26/2002 at 16:30
Discard: 03/29/2002

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

C-4-W-020211 Grab Water

Facility# 90338 Job# 386456 GRD
5500 Telegraph-Oakland T0600100347 C-4

TOC-4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08405	Halocarbons By SW846 WW					
08484	Chloromethane	74-87-3	N.D.	0.50	ug/l	1
08485	Vinyl Chloride	75-01-4	N.D.	0.20	ug/l	1
08487	Bromomethane	74-83-9	N.D.	0.50	ug/l	1
08488	Chloroethane	75-00-3	N.D.	0.20	ug/l	1
08489	Trichlorofluoromethane	75-69-4	N.D.	0.20	ug/l	1
08490	1,1-Dichloroethene	75-35-4	N.D.	0.20	ug/l	1
08492	Methylene Chloride	75-09-2	N.D.	0.20	ug/l	1
08494	trans-1,2-Dichloroethene	156-60-5	N.D.	0.20	ug/l	1
08496	1,1-Dichloroethane	75-34-3	N.D.	0.20	ug/l	1
08498	cis-1,2-Dichloroethene	156-59-2	N.D.	0.20	ug/l	1
08502	Chloroform	67-66-3	N.D.	0.20	ug/l	1
08504	1,2-Dichloroethane	107-06-2	N.D.	0.30	ug/l	1
08506	1,1,1-Trichloroethane	71-55-6	N.D.	0.20	ug/l	1
08509	Carbon Tetrachloride	56-23-5	N.D.	0.20	ug/l	1
08511	1,2-Dichloropropane	78-87-5	N.D.	0.20	ug/l	1
08512	Trichloroethene	79-01-6	N.D.	0.20	ug/l	1
08514	Bromodichloromethane	75-27-4	N.D.	0.20	ug/l	1
08516	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.20	ug/l	1
08517	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.20	ug/l	1
08518	1,1,2-Trichloroethane	79-00-5	N.D.	0.20	ug/l	1
08520	Dibromochloromethane	124-48-1	N.D.	0.20	ug/l	1
08523	Tetrachloroethene	127-18-4	N.D.	0.20	ug/l	1
08526	Chlorobenzene	108-90-7	N.D.	0.20	ug/l	1
08527	Bromoform	75-25-2	N.D.	0.20	ug/l	1
08528	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.20	ug/l	1

Due to the close elution order of trichloroethene and bromodichloromethane, and the high level of trichloroethene in the sample, bromodichloromethane could not be integrated on the matrix spike and matrix spike duplicate samples. Bromodichloromethane is within the acceptance range on the laboratory control sample and demonstrates the system to be operating within specifications.

01595 Oxygenates by 8260B

#=Laboratory Method Detection Limit exceeded target detection limit
N.D.=Not detected Above the Reporting Limit



Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681



Lancaster Laboratories Sample No. **WW 3773187**

Collected: 02/11/2002 12:12 by TC

Account Number: 10905

Submitted: 02/13/2002 09:20
 Reported: 02/26/2002 at 16:30
 Discard: 03/29/2002
 C-4-W-020211

Chevron Products Company
 6001 Bollinger Canyon Road
 Building L PO Box 6004
 San Ramon CA 94583-0904

Grab Water

Facility# 90338 Job# 386456 GRD
 5500 Telegraph-Oakland T0600100347 C-4

TOC-4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05553	TPH - DRO CA LUFT (Waters) According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons). Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level. Due to interferences from the sample matrix (high sediment content), the reporting limit was increased.	n.a.	N.D. #	100.	ug/l	1
01749	Cadmium	7440-43-9	N.D.	10.0	ug/l	1
01751	Chromium	7440-47-3	80.5	1.70	ug/l	1
01755	Lead	7439-92-1	16.7	8.80	ug/l	1
01761	Nickel	7440-02-0	126.	2.30	ug/l	1
01772	Zinc	7440-66-6	143.	3.20	ug/l	1
01126	TRPH 418.1 Sufficient sample volume was not available to perform a MS/MSD for this analysis. Therefore, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.	n.a.	N.D.	320.	ug/l	1
01729	TPH-GRO - Waters					
01730	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. 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.	n.a.	N.D.	50.	ug/l	1
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	72.	2.5	ug/l	1

#=Laboratory Method Detection Limit exceeded target detection limit
 N.D.=Not detected Above the Reporting Limit



2426 New Holland Pike
 Lancaster, PA 17605-2425
 717-656-2300 Fax: 717-656-2681



Lancaster Laboratories Sample No. WW 3773187

Collected: 02/11/2002 12:12 by TC

Account Number: 10905

Submitted: 02/13/2002 09:20
 Reported: 02/26/2002 at 16:30
 Discard: 03/29/2002

Chevron Products Company
 6001 Bollinger Canyon Road
 Building L PO Box 6004
 San Ramon CA 94583-0904

C-4-W-020211 Grab Water

Facility# 90338 Job# 386456 GRD
 5500 Telegraph-Oakland T0600100347 C-4

TOC-4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02010	Methyl t-butyl ether	1634-04-4	62.	2.	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	2.	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	2.	ug/l.	1
02014	t-Amyl methyl ether	994-05-8	N.D.	2.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	100.	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
05553	TPH - DRO CA LUFT (Waters)	CA LUFT Diesel Range Organics	1	02/22/2002 16:29	Tracy A Cole	1
01749	Cadmium	SW-846 6010B	1	02/20/2002 16:33	David K Beck	1
01751	Chromium	SW-846 6010B	1	02/20/2002 16:33	David K Beck	1
01755	Lead	SW-846 6010B	1	02/20/2002 16:33	David K Beck	1
01761	Nickel	SW-846 6010B	1	02/20/2002 16:33	David K Beck	1
01772	Zinc	SW-846 6010B	1	02/20/2002 16:33	David K Beck	1
01126	TRPH 418.1	EPA 418.1	1	02/15/2002 13:33	Shannon L Phillips	1
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	02/18/2002 19:19	Melissa D Mann	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	02/18/2002 19:19	Melissa D Mann	1
08405	Halocarbons By SW846 WW	SW-846 8021B	1	02/16/2002 20:57	Michael F Barrow	1
01595	Oxygenates by 8260B	SW-846 8260B	1	02/19/2002 15:37	Roy R Mellott Jr	1
01127	GC VOA Water Prep	SW-846 5030B	1	02/16/2002 20:57	Michael F Barrow	n.a.
01146	GC VOA Water Prep	SW-846 5030B	1	02/18/2002 19:19	Melissa D Mann	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	02/19/2002 15:37	Roy R Mellott Jr	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	02/18/2002 21:30	Annamaria Stipkovits	1
07003	Extraction - DRO (Waters)	TPH by CA LUFT	1	02/18/2002 01:20	JoElla L Rice	1
08124	TPH IR (W), Prep.	EPA 418.1	1	02/15/2002 09:00	Yolunder Y Bunch	1

#=Laboratory Method Detection Limit exceeded target detection limit
 N.D.=Not detected Above the Reporting Limit



Lancaster, PA 17605-2425
 717-656-2300 Fax: 717-656-2681



Lancaster Laboratories Sample No. **WW 3773188**

Collected: 02/11/2002 13:22 by TC

Account Number: 10905

Submitted: 02/13/2002 09:20

Reported: 02/26/2002 at 16:30

Discard: 03/29/2002

C-5-W-020211

Grab Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 90338 Job# 386456 GRD
5500 Telegraph-Oakland T0600100347 C-5

TOC-5

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 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.	n.a.	N.D.	50.	ug/l	1
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	150.	2.5	ug/l	1
01595	Oxygenates by 8260B					
02010	Methyl t-butyl ether	1634-04-4	140.	2.	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	2.	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	2.	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	2.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	100.	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
---------	---------------	--------	--------	------------------------	---------	-----------------

#=Laboratory Method Detection Limit exceeded target detection limit
N.D.=Not detected or Above the Reporting Limit



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



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Lancaster Laboratories Sample No. **WW 3773188**

Collected: 02/11/2002 13:22 by TC

Account Number: 10905

Submitted: 02/13/2002 09:20

Reported: 02/26/2002 at 16:30

Discard: 03/29/2002

C-5-W-020211

Grab Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 90338 Job# 386456 GRD
5500 Telegraph-Oakland T0600100347 C-5

TOC-5

Sample No.	Method	Method	Count	Date/Time	Analyst	Result
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	02/18/2002 19:54	Melissa D Mann	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	02/18/2002 19:54	Melissa D Mann	1
01595	Oxygenates by 8260B	SW-846 8260B	1	02/19/2002 16:02	Roy R Mellott Jr	1
01146	GC VOA Water Prep	SW-846 5030B	1	02/18/2002 19:54	Melissa D Mann	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	02/19/2002 16:02	Roy R Mellott Jr	n.a.

#=Laboratory Method Detection Limit exceeded target detection limit
N.D.=Not detected or above the Reporting Limit



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Quality Control Summary

Client Name: Chevron Products Company
 Reported: 02/26/02 at 04:30 PM

Group Number: 796776

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 02046112601A TRPH 418.1	Sample number(s): 3773187			83	93	61-110	11	18
	N.D.	.32	mg/l					
Batch number: 02046A13	Sample number(s): 3773187			72		17-173		
Chloromethane	N.D.	.5	ug/l	89		48-131		
Vinyl Chloride	N.D.	.2	ug/l	82		41-143		
Bromomethane	N.D.	.2	ug/l	71		47-123		
Chloroethane	N.D.	.2	ug/l	83		55-142		
Trichlorofluoromethane	N.D.	.2	ug/l	105		64-135		
1,1-Dichloroethane	N.D.	.2	ug/l	87		79-122		
Methylene Chloride	N.D.	.2	ug/l	97		80-122		
trans-1,2-Dichloroethene	N.D.	.2	ug/l	97		81-122		
1,1-Dichloroethane	N.D.	.2	ug/l	99		81-121		
cis-1,2-Dichloroethene	N.D.	.2	ug/l	91		85-121		
Chloroform	N.D.	0.3	ug/l	93		78-119		
1,2-Dichloroethane	N.D.	.2	ug/l	92		78-119		
1,1,1-Trichloroethane	N.D.	.2	ug/l	93		83-121		
Carbon Tetrachloride	N.D.	.2	ug/l	97		80-119		
1,2-Dichloropropane	N.D.	.2	ug/l	96		81-119		
Trichloroethene	N.D.	.2	ug/l	89		81-119		
Bromodichloromethane	N.D.	.2	ug/l	89		77-120		
cis-1,3-Dichloropropene	N.D.	.2	ug/l	89		82-122		
trans-1,3-Dichloropropene	N.D.	.2	ug/l	91		83-126		
1,1,2-Trichloroethane	N.D.	.2	ug/l	103		75-121		
Dibromochloromethane	N.D.	.2	ug/l	90		84-115		
Tetrachloroethene	N.D.	.2	ug/l	98		76-135		
Chlorobenzene	N.D.	.2	ug/l	109		82-127		
Bromoform	N.D.	.2	ug/l	92				
1,1,2,2-Tetrachloroethane	N.D.	.2	ug/l					
Batch number: 020470004A TPH - DRO CA LUFT (Waters)	Sample number(s): 3773187			85	84	54-120	1	20
	N.D.	50.	ug/l					
Batch number: 020491848003	Sample number(s): 3773187			103		94-110		
Cadmium	N.D.	10.	ug/l	101		95-110		
Chromium	N.D.	1.7	ug/l	102		94-110		
Lead	N.D.	8.8	ug/l	101		92-110		
Nickel	N.D.	2.3	ug/l	101		94-112		
Zinc	N.D.	3.2	ug/l	99				
Batch number: 02049A55	Sample number(s): 3773184-3773188				100	80-118	1	30
Benzene	N.D.	0.5	ug/l	101	106	82-119	1	30
Toluene	N.D.	0.5	ug/l	108	109	81-119	2	30
Ethylbenzene	N.D.	0.5	ug/l	111	108	82-120	2	30
Total Xylenes	N.D.	1.5	ug/l	111	100	79-127	2	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	103	89	76-126	0	30
TPH-GRO - Waters	N.D.	50.	ug/l	89				
Batch number: U020491AA	Sample number(s): 3773185-3773188					77-127		
Methyl t-butyl ether	N.D.	2.	ug/l	98		74-125		
di-Isopropyl ether	N.D.	2.	ug/l	106				

*- 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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Quality Control Summary

Client Name: Chevron Products Company
 Reported: 02/26/02 at 04:30 PM

Group Number: 796776

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCS/LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Ethyl t-butyl ether	N.D.	2.	ug/l	111		74-120		
t-Amyl methyl ether	N.D.	2.	ug/l	107		71-114		
t-Butyl alcohol	N.D.	100.	ug/l	104		59-139		

Sample Matrix Quality Control

Analysis Name	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
	%REC	%REC	Limits	RPD	MAX	Conc	Conc	RPD
Batch number: 02046112601A TRPH 418.1	Sample number(s): 3773187							
					N.D.	N.D.	31 (1)	34
Batch number: 02046A13	Sample number(s): 3773187							
Chloromethane	67	62	15-175	8	30			
Vinyl Chloride	85	74	40-145	15	30			
Bromomethane	76	69	30-157	10	30			
Chloroethane	65	61	38-152	7	30			
Trichlorofluoromethane	79	68	43-134	15	30			
1,1-Dichloroethene	95	85	49-158	11	30			
Methylene Chloride	82	79	60-140	5	30			
trans-1,2-Dichloroethene	92	82	79-128	11	30			
1,1-Dichloroethane	93	86	79-128	8	30			
cis-1,2-Dichloroethene	91	84	71-135	6	30			
Chloroform	92	85	75-130	8	30			
1,2-Dichloroethane	95	91	81-126	4	30			
1,1,1-Trichloroethane	90	80	74-129	12	30			
Carbon Tetrachloride	91	78	74-130	15	30			
1,2-Dichloropropane	95	91	82-125	4	30			
Trichloroethene	92	73	67-122	6	30			
Bromodichloromethane	0*	0*	79-126	0	30			
cis-1,3-Dichloropropene	94	91	69-130	3	30			
trans-1,3-Dichloropropene	89	87	75-122	2	30			
1,1,2-Trichloroethane	90	88	82-121	2	30			
Dibromochloromethane	102	100	82-128	2	30			
Tetrachloroethene	86	81	73-130	6	30			
Chlorobenzene	98	95	82-115	2	30			
Bromoform	110	106	77-136	4	30			
1,1,2,2-Tetrachloroethane	93	90	84-128	2	30			
Batch number: 020491848003	Sample number(s): 3773187							
Cadmium	101	102	78-121	1	20	N.D.	N.D.	0 (1) 20
Chromium	101	102	80-119	0	20	0.0057	0.0052	8 (1) 20
Lead	96	95	75-125	1	20	0.0336	N.D.	200* (1) 20
Nickel	101	101	80-117	0	20	0.0124	0.0112	10 (1) 20
Zinc	82	80	75-125	2	20	0.107	0.0167	146* (1) 20
Batch number: 02049A55	Sample number(s): 3773184-3773188							
Benzene	109	108	77-131	1	30			
Toluene	115	115	80-128	0	30			

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Sample Matrix Quality Control

Analysis Name	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>RPD</u>
								<u>Max</u>
Ethylbenzene	118	118	76-132	0	30			
Total Xylenes	116	116	76-132	1	30			
Methyl tert-Butyl Ether	-70*	-12*	61-144	18	30			
TPH-GRO - Waters	99		74-132					

Batch number: U020491AA	Sample number(s): 3773185-3773188							
Methyl t-butyl ether	102	98	69-134	2	30			
di-Isopropyl ether	104	104	68-133	0	30			
Ethyl t-butyl ether	105	102	73-123	3	30			
t-Amyl methyl ether	103	103	69-118	1	30			
t-Butyl alcohol	100	100	51-148	0	30			

Surrogate Quality Control

Analysis Name: Halocarbons By SW846 WW
 Batch number: 02046A13

1-Bromo-4-chlorobenzene-H	1-Bromo-4-chlorobenzene-P
3773187	99
Blank	98
LCS	105
MS	105
MSD	101

Limits: 58-129 66-118

Analysis Name: TPH - DRO CA LUFT (Waters)
 Batch number: 020470004A
 Orthoterphenyl

3773187	82
Blank	91
LCS	83
LCSD	79

Limits: 59-139

Analysis Name: TPH-GRO - Waters
 Batch number: 02049A55
 Trifluorotoluene-F Trifluorotoluene-P

3773184	92	87
3773185	99	86
3773186	94	87
3773187	92	87
3773188	92	83
Blank	95	87

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Group Number: 796776

Surrogate Quality Control

LCS	104	87
LCSD	103	86
MS	103	87
MSD	93	86

Limits: 67-135 71-130

Analysis Name: Oxygenates by 8260B
 Batch number: U020491AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
3773185	106	103	98	95
3773186	103	94	99	93
3773187	108	101	99	92
3773188	102	99	100	93
Blank	102	96	99	93
LCS	101	94	101	93
MS	98	101	98	96
MSD	99	100	99	99

Limits: 86-118 80-120 88-110 86-115

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