



GETTLER-RYAN INC.

Ro 342

TRANSMITTAL

February 5, 2002

G-R #386383

FEB 22 2002

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
#9-4800
1700 Castro Street
Oakland, California**

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	February 1, 2002	Groundwater Monitoring and Sampling Report Fourth Quarter - Event of December 21, 2001

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 **February 19, 2002**, at which time the final report will be distributed to the following:

- cc: Ms. Eva Chu, Alameda County Health Care Services, Dept. of Environmental Health, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577
- Mr. Greg Gurs, Gettler-Ryan Inc., 3140 Gold Camp Drive, Suite 170, Rancho Cordova, CA 95670

Enclosures

trans/9-4800-TB



GETTLER-RYAN INC.

February 1, 2002
G-R Job #386383

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

FEB 22 2002

RE: Fourth Quarter Event of December 21, 2001
Groundwater Monitoring & Sampling Report
Chevron Service Station #9-4800
1700 Castro Street
Oakland, California

Dear Mr. Bauhs:

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

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

Groundwater samples were collected from the monitoring wells and submitted to a state certified laboratory for analyses. The field data sheets for this event are attached. Analytical results are presented in the table(s) listed below. The chain of custody document and laboratory analytical report are also attached.

Please call if you have any questions or comments regarding this report. Thank you.

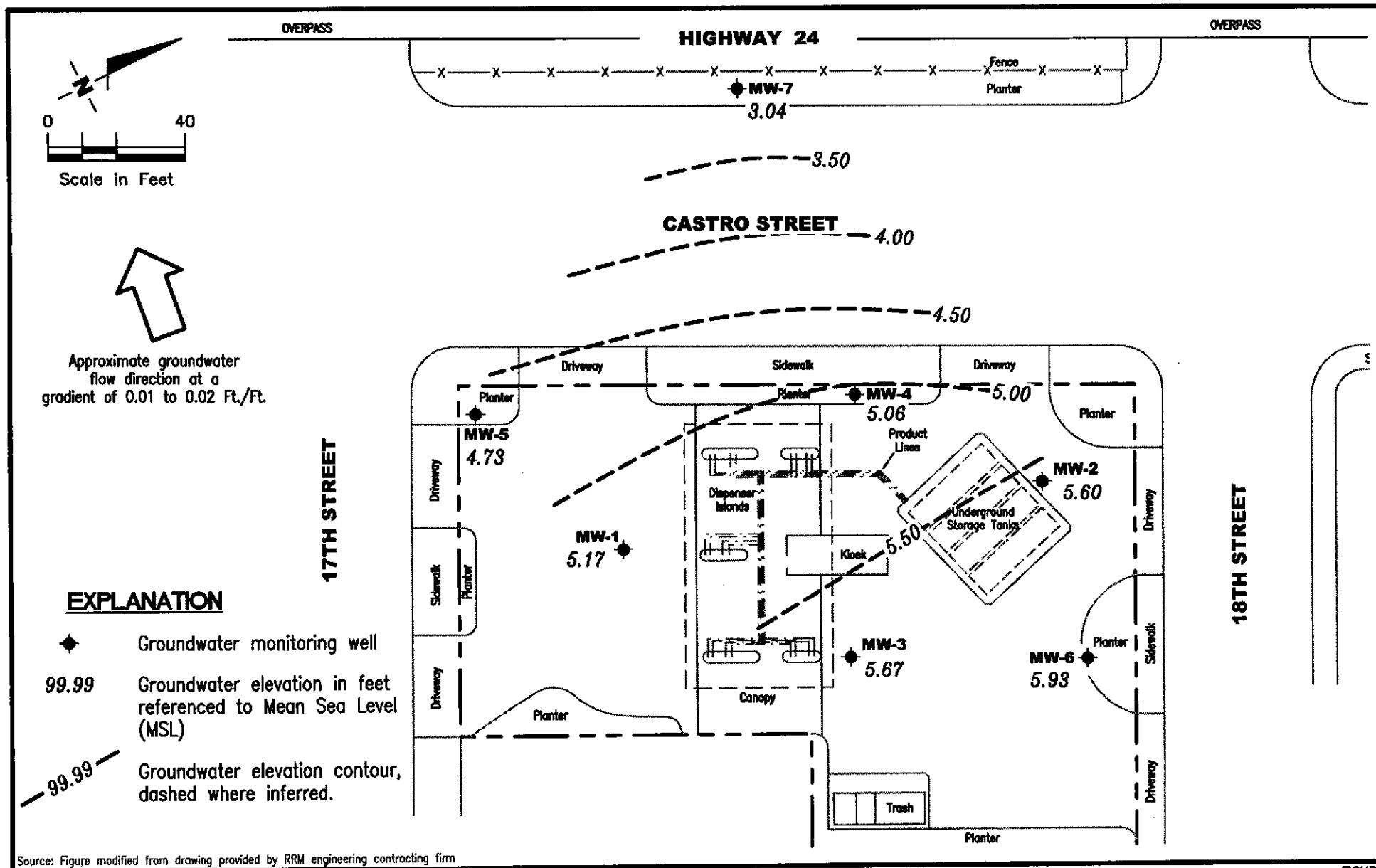
Sincerely,

Deanna L. Harding
Project Coordinator

Hagop Kevork
P.E. No. C55734



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



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 #9-4800
 1700 Castro Street
 Oakland, California

FIGURE

1

PROJECT NUMBER
 386383

REVIEWED BY

DATE
 December 21, 2001

REVISED DATE

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-4800
1700 Castro Street
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-1										
06/04/97	30.75	4.39	25.82	71 ¹	890	100	110	29	150	<10
09/16/97	30.75	4.85	25.90	75 ¹	1,600	210	210	60	250	<10
12/17/97	30.75	4.88	25.87	65 ¹	940	120	100	41	160	<25
03/18/98	30.75	5.90	24.85	77 ¹	530	91	39	22	65	6.8
06/28/98	30.75	5.92	24.83	140 ¹	1,100	220	140	37	120	14
09/07/98	30.75	5.56	25.19	280 ¹	1,700	530	86	84	240	49
12/09/98	30.75	5.10	25.65	240 ¹	1,700	240	130	100	270	32
03/11/99	30.75	5.30	25.45	98 ¹	353	53.9	28.6	20.5	56.1	14.1
06/17/99	30.75	5.39	25.36	217 ¹	810	270	150	95	340	15
09/29/99	30.75	5.13	25.62	153 ¹	659	76	49.7	35.1	118	12.6
12/14/99	30.75	5.07	25.68	188 ^{1,2}	2,760	287	199	139	502	<12.5
03/09/00 ³	30.75	5.54	25.21	166 ¹	1,590	238	94.9	72.2	247	22.3
06/10/00	30.75	5.73	25.02	--	1,460	242	47.8	83.8	151	97.3
09/30/00	30.75	5.30	25.45	240 ⁷	650 ⁶	130	49	69	190	21
12/22/00	30.75	5.05	25.70	200 ⁹	640 ⁶	110	33	58	160	68
03/01/01	30.75	5.25	25.50	211 ⁷	1,500 ⁶	210	67.9	109	320	87.3
05/04/01	30.75	5.41	25.34	130 ⁷	991	127	32.6	73.0	137	95.4
09/05/01	30.75	5.16	25.59	SAMPLED SEMI-ANNUALLY		--	--	--	--	--
12/21/01	30.75	5.17	25.58	210	2,000	220	16	110	400	34
MW-2										
06/04/97	30.00	5.13	24.87	4,000 ¹	13,000	790	30	420	1,700	4000
09/16/97	30.00	5.06	24.94	2,200 ¹	4,000	360	9.7	210	460	1500
12/17/97	30.00	5.18	24.82	2,100 ¹	4,100	380	<10	200	460	2100
03/18/98	30.00	6.43	23.57	3,700 ¹	8,400	1,800	<50	350	630	13,000
06/28/98 ⁴	30.00	6.21	23.79	4,400 ¹	9,300	740	340	710	2,300	3800
09/07/98	30.00	5.78	24.22	3,100 ¹	9,900	1,000	150	640	1,800	4500/4100 ⁵
12/09/98	30.00	5.31	24.69	1,900 ¹	8,500	860	74	610	960	2600/2600 ⁵
03/11/99	30.00	5.79	24.21	2,700 ¹	12,500	1,520	42.2	645	2,250	3400/5050 ⁵
06/17/99	30.00	5.69	24.31	7,150 ¹	27,000	2,200	260	1500	5,900	4700

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-4800
1700 Castro Street
Oakland, California

WELL ID/ DATE	FOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-2 (cont)										
09/29/99	30.00	5.45	24.55	3,030 ¹	6910	582	11.1	491	1,170	1970
12/14/99	30.00	5.39	24.61	615 ^{1,2}	4230	282	12.3	284	690	631
03/09/00 ³	30.00	6.08	23.92	3,300 ¹	15,300	1,110	39.4	1,040	3,030	2,470
06/10/00	30.00	6.13	23.87	--	7,360	560	40.7	627	1,280	1,260
09/30/00	30.00	5.67	24.33	1,800 ⁷	3,600 ⁶	280	<10	420	430	290
12/22/00	30.00	5.39	24.61	870 ⁹	1,500 ⁶	100	<1.3	160	59	380
03/01/01	30.00	5.79	24.21	1,320 ⁷	2,340 ⁶	171	<5.00	238	157	864
05/04/01	30.00	5.83	24.17	3,100 ⁷	11,900	199	33.9	1,420	290	3,890
09/05/01	30.00	5.45	24.55	2,200	3,300	170	1.7	310	110	1,100
12/21/01	30.00	5.60	24.40	980	1,100	58	0.72	120	14	450
MW-3										
06/04/97	31.32	5.27	26.05	<50	190	26	20	1.5	16	8.2
09/16/97	31.32	5.17	26.15	<50	270	58	53	6.1	30	21
12/17/97	31.32	5.22	26.10	<50	290	50	54	8.1	37	21
03/18/98	31.32	6.42	24.90	<50	390	140	33	4.6	30	94
06/28/98	31.32	6.39	24.93	<50	290	90	11	1.6	13	150
09/07/98	31.32	5.97	25.35	<50	170	46	20	4.3	19	120
12/09/98	31.32	5.41	25.91	55 ¹	660	120	93	22	72	150
03/11/99	31.32	5.85	25.47	<50	653	136	69.5	13.7	63.8	144
06/17/99	31.32	5.90	25.42	103 ¹	530	190	110	24	88	210
09/29/99	31.32	5.61	25.71	232 ¹	433	97.8	61.4	16.9	56.6	156
12/14/99	31.32	5.55	25.77	<50 ²	8650	1040	795	212	800	995
03/09/00 ³	31.32	6.14	25.18	74.6 ¹	1170	304	103	25.2	114	539
06/10/00	31.32	6.29	25.03	--	359	63.8	27.8	10.5	35.4	393
09/30/00	31.32	5.79	25.53	100 ⁸	220 ⁶	42	33	12	38	67
12/22/00	31.32	5.52	25.80	110 ⁹	370 ⁶	96	48	18	58	180
03/01/01	31.32	5.75	25.57	144 ⁷	912 ⁶	218	89.0	36.0	110	310

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-4800
1700 Castro Street
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-3 (cont)										
05/04/01	31.32	5.96	25.36	<50	1,260	146	79.6	38.2	101	1,070
09/05/01	31.32	5.61	25.71	SAMPLED SEMI-ANNUALLY		--	--	--	--	--
12/21/01	31.32	5.67	25.65	180	850	160	11	32	84	300
MW-4										
04/08/99	30.13	--	--	--	130	3.1	<0.5	<0.5	7.7	4,700
06/17/99	30.13	5.19	24.94	3,780 ¹	590	58	<5.0	<5.0	160	6,200
09/29/99	30.13	4.96	25.17	1,130 ¹	692	10.7	<2.5	5.51	236	7,840
12/14/99	30.13	4.91	25.22	571 ^{1,2}	625	<10	3.83	<10	94.6	4,470
03/09/00 ³	30.13	5.45	24.68	600 ¹	402	3.76	1.18	<0.5	71.4	3,140
06/10/00	30.13	5.53	24.60	--	<1,000	13.2	<10.0	<10.0	97.8	3,080
09/30/00	30.13	5.09	25.04	1,400 ⁷	280 ⁶	21	0.67	6.3	60	3,300
12/22/00	30.13	4.90	25.23	740 ⁹	240 ⁶	2.2	<0.50	1.3	25	2,200
03/01/01	30.13	5.15	24.98	661 ⁷	193	2.31	<0.500	1.34	12.1	1,220
05/04/01	30.13	5.25	24.88	1,100 ⁷	722	12.0	<5.00	17.1	89.4	2,390
09/05/01	30.13	4.96	25.17	2,500	1,400	23	2.2	19	260	2,300
12/21/01	30.13	5.06	25.07	1,100	310	2.9	<0.50	2.6	32	860
MW-5										
04/08/99	30.93	--	--	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/17/99	30.93	4.93	26.00	53.8 ¹	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/29/99	30.93	4.73	26.20	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/14/99	30.93	4.61	26.32	<50 ²	<50	<0.5	<0.5	<0.5	<0.5	0.598
03/09/00 ³	30.93	5.00	25.93	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/10/00	30.93	5.21	25.72	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
09/30/00	30.93	4.79	26.14	130 ⁸	<50	<0.50	<0.50	<0.50	<0.50	<2.5
12/22/00	30.93	4.60	26.33	250 ⁸	<50	<0.50	<0.50	<0.50	<0.50	9.1
03/01/01	30.93	4.77	26.16	77.4 ⁷	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-4800
1700 Castro Street
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-5 (cont)										
05/04/01	30.93	4.89	26.04	NOT SAMPLED DUE TO INSUFFICIENT WATER			--	--	--	--
09/05/01	30.93	4.72	26.21	SAMPLED SEMI-ANNUALLY			--	--	--	--
12/21/01	30.93	4.73	26.20	110	<50	<0.50	<0.50	<0.50	<1.5	<2.5
MW-6										
04/08/99	30.58	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	4.5
06/17/99	30.58	5.99	24.59	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/29/99	30.58	5.81	24.77	<50	<50	<0.5	<0.5	<0.5	<0.5	4.46
12/14/99	30.58	5.74	24.84	<50 ²	<50	<0.5	<0.5	<0.5	<0.5	4.13
03/09/00 ³	30.58	6.49	24.09	<50	<50	<0.5	<0.5	<0.5	<0.5	2.82
06/10/00	30.58	6.58	24.00	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
09/30/00	30.58	6.00	24.58	110 ⁸	<50	<0.50	<0.50	<0.50	<0.50	7.3
12/22/00	30.58	5.75	24.83	100 ⁸	<50	<0.50	<0.50	<0.50	<0.50	4.5
03/01/01	30.58	6.07	24.51	141 ⁷	<50.0	<0.500	<0.500	<0.500	<0.500	7.52
05/04/01	30.58	6.26	24.32	<50	<50.0	<0.500	<5.00	<5.00	<5.00	2.74
09/05/01	30.58	5.99	24.59	SAMPLED SEMI-ANNUALLY			--	--	--	--
12/21/01	30.58	5.93	24.65	200	<50	<0.50	<0.50	<0.50	<1.5	8.5
MW-7										
05/04/01 ¹¹	31.90	4.03	27.87	<50	<50.0	<0.500	<5.00	<5.00	<5.00	567/470 ¹²
09/05/01	31.90	3.86	28.04	<50	<50	<0.50	<0.50	<0.50	<1.5	1,400/1,300 ¹²
12/21/01	31.90	3.04	28.86	210	<50	<0.50	<0.50	<0.50	<1.5	620/670¹²
TRIP BLANK										
06/04/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/16/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/17/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
03/18/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-4800
1700 Castro Street
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
TRIP BLANK (cont)										
06/28/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/07/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/09/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
03/11/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
06/17/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/14/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
03/09/00 ³	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/10/00	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
09/30/00	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
12/22/00 ¹⁰	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
03/01/01	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
05/04/01	--	--	--	--	<50.0	<0.500	<5.00	<5.00	<5.00	<0.500
09/05/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
QA										
12/21/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-4800
1700 Castro Street
Oakland, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to June 10, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

TOC = Top of Casing	TPH-G = Total Petroleum Hydrocarbons as Gasoline	-- = Not Measured/Not Analyzed
(ft.) = Feet	B = Benzene	(ppb) = Parts per Billion
GWE = Groundwater Elevation	T = Toluene	QA = Quality Assurance
(msl) = Mean sea level	E = Ethylbenzene	
DTW = Depth to Water	X = Xylenes	
TPH-D = Total Petroleum Hydrocarbons as Diesel	MTBE = Methyl tertiary butyl ether	

* TOC elevation was surveyed on April 11, 2001, by Virgil Chavez Land Surveying. The benchmark for the survey was the top of curb at the south end of the return at the southeast corner of Castro Street and 18th Street. (Benchmark Elevation = 29.65 feet, msl).

- 1 Chromatogram pattern indicates an unidentified hydrocarbon.
- 2 Sample was extracted outside EPA recommended holding time.
- 3 TPH-G, B, T, E, X and MTBE was analyzed outside EPA recommended holding time.
- 4 EPA Method 8240.
- 5 Confirmation run.
- 6 Laboratory report indicates gasoline C6-C12.
- 7 Laboratory report indicates unidentified hydrocarbons C9-C24.
- 8 Laboratory report indicates unidentified hydrocarbons >C16.
- 9 Laboratory report indicates unidentified hydrocarbons C9-C40.
- 10 Laboratory report indicates this sample was analyzed outside of the EPA recommended holding time.
- 11 Well development performed.
- 12 MTBE by EPA Method 8260.

Table 2
Groundwater Analytical Results - Oxygenate Compounds
Chevron Service Station #9-4800
1700 Castro Street
Oakland, California

WELL ID/ DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)
MW-4						
04/08/99	<25,000	<5000	5400	<100	<100	<100
MW-5						
04/08/99	<500	<100	<2.0	<2.0	<2.0	<2.0
MW-6						
04/08/99	<500	<100	5.6	<2.0	<2.0	<2.0
MW-7						
05/04/01	<500	57	470	<2.0	<2.0	11
09/05/01	<500	<100	1,300	<2	<2	32
12/21/01	<500	<100	670	<2	<2	15

EXPLANATIONS:

Groundwater laboratory analytical results prior to May 4, 2001, were compiled from reports prepared by Blaine Tech Services, Inc.

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

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 # 9-4800

Job#: 386383

Address: 1700 Casteo St.

Date: 12-21-01

City: Oakland, CA

Sampler: TV

Well ID MW-1

Well Condition: OK

Well Diameter 2 in.

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

Total Depth 29.95 ft.

Depth to Water 25.58 ft.

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

4.37 x VF .17 = .74 X 3 (case volume) = Estimated Purge Volume: 2.0 (gal.)

Purge Equipment:

Disposable Bailer

Bailer
Stack
Suction
Grundfos
Other: _____

Sampling Equipment:

Disposable Bailer

Bailer
Pressure Bailer
Grab Sample
Other: _____

Starting Time: 1120

Weather Conditions: clear

Sampling Time: 1130

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>1121</u>	<u>1.0</u>	<u>7.32</u>	<u>986</u>	<u>67.1</u>			
<u>1123</u>	<u>1.0</u>	<u>7.16</u>	<u>991</u>	<u>67.4</u>			
<u>1125</u>	<u>2.0</u>	<u>7.20</u>	<u>1042</u>	<u>67.2</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-1</u>	<u>3x0200 ml</u>	<u>Y</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPHIG)/btex/mtbe</u>
<u>MW-1</u>	<u>2x0200 ml</u>	<u>Y</u>	<u>HCL</u>	<u> </u>	<u>TPH-5</u>

COMMENTS: _____

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

Client/CHEVRON
Facility # 9-4800
Address: 1700 Casteo St.
City: Oakland, CA

Job#: 386383
Date: 12-21-01
Sampler: TC

Well ID MW-2
Well Diameter 2 in.
Total Depth 29.80 ft.
Depth to Water 24.40 ft.

Well Condition: O.K.
Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)
Volume Factor (VF) 2" = 0.17 3" = 0.38 4" = 0.66
6" = 1.50 12" = 5.80

5.40 X VF 0.17 = .91 X 3 (case volume) = Estimated Purge Volume: 2.5 (gal.)

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

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

Starting Time: 1010
Sampling Time: 1020
Purging Flow Rate: _____ gpm.
Did well de-water? no

Weather Conditions: clear
Water Color: cloudy Odor: SLIGHT
Sediment Description: _____
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>1012</u>	<u>1.0</u>	<u>7.3</u>	<u>1162</u>	<u>67.7</u>			
<u>1013</u>	<u>2.0</u>	<u>7.01</u>	<u>1141</u>	<u>67.1</u>			
<u>1016</u>	<u>2.5</u>	<u>6.98</u>	<u>1158</u>	<u>67.2</u>			
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-2</u>	<u>3 X VOLUME</u>	<u>Y</u>	<u>HCC</u>	<u>LANCASTER</u>	<u>TPH(G)/btex/mtbe</u>
<u>MW-2</u>	<u>2 X AMBU</u>	<u>Y</u>	<u>HCC</u>	<u>CC</u>	<u>TPH-D</u>
_____	_____	_____	_____	_____	_____

COMMENTS: _____

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/CHEVRON

Facility # 9-4800

Job#: 386383

Address: 1700 Casteo St.

Date: 12-21-01

City: Oakland, CA

Sampler: T.C

Well ID MW-3

Well Condition: OK

Well Diameter 2 in.

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

Total Depth 29.40 ft.

Depth to Water 25.65 ft.

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

3.75 x VF 17 = 63 x 3 (case volume) = Estimated Purge Volume: 2.0 (gal.)

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

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

Starting Time: 1055

Weather Conditions: clear

Sampling Time: 1105

Water Color: clear 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>1056</u>	<u>.50</u>	<u>7.42</u>	<u>1016</u>	<u>65.9</u>			
<u>1058</u>	<u>1.0</u>	<u>7.22</u>	<u>1024</u>	<u>65.6</u>			
<u>1100</u>	<u>2.0</u>	<u>7.16</u>	<u>1038</u>	<u>68.4</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-3</u>	<u>2 x DAVIM</u>	<u>Y</u>	<u>HC</u>	<u>LANCASTER</u>	<u>TPH(G)/btex/mtbe</u>
<u>MW-3</u>	<u>2 x Amber</u>		<u>HC</u>	<u>// N</u>	<u>AT-D</u>

COMMENTS: _____

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

Client/CHEVRON
Facility # 9-4800

Job#: 386383

Address: 1700 Casteo St.

Date: 12-21-01

City: Oakland, CA

Sampler: TU

Well ID MW-4

Well Condition: ok

Well Diameter 2 in.

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

Total Depth 28.27 ft.

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

Depth to Water 25.07 ft.

3.20 X VF .17 = .54 X 3 (case volume) = Estimated Purge Volume: 1.5 (gal.)

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

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

Starting Time: 1032

Weather Conditions: clear

Sampling Time: 1041

Water Color: _____ Odor: _____

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>1033</u>	<u>.50</u>	<u>7.32</u>	<u>1261</u>	<u>68.1</u>			
<u>1034</u>	<u>1.0</u>	<u>7.18</u>	<u>1241</u>	<u>67.3</u>			
<u>1036</u>	<u>1.5</u>	<u>7.12</u>	<u>1236</u>	<u>67.5</u>			
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-4</u>	<u>3000ml</u>	<u>Y</u>	<u>ICU</u>	<u>LANCASTER</u>	<u>TPH(G)/btex/mtbe</u>
<u>MW-4</u>	<u>2 CANB</u>	<u>Y</u>	<u>ICU</u>	<u>LANCASTER</u>	<u>TPH(D)</u>
_____	_____	_____	_____	_____	_____

COMMENTS: _____

**WELL MONITORING/SAMPLING
FIELD DATA SHEET**

Client/CHEVRON

Facility # 9-4800

Job #: 386383

Address: 1700 Casteo St.

Date: 12-21-01

City: Oakland, CA

Sampler: TC

Well ID MW-5

Well Condition: O.K.

Well Diameter 2 in.

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

Total Depth 27.62 ft.

Depth to Water 26.20 ft.

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

1.42 x VF 0.17 = .24 x 3 (case volume) = Estimated Purge Volume: 1.0 (gal.)

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

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

Starting Time: 1145

Weather Conditions: clear

Sampling Time: 1151

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>1146</u>	<u>.25</u>	<u>6.98</u>	<u>1281</u>	<u>66.9</u>			
<u>1147</u>	<u>.50</u>	<u>6.91</u>	<u>1242</u>	<u>67.2</u>			
<u>1148</u>	<u>1.0</u>	<u>6.87</u>	<u>1256</u>	<u>67.0</u>			
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-5</u>	<u>3XUADJIM</u>	<u>Y</u>	<u>IFU</u>	<u>LANCASTER</u>	<u>TPH(G)/btex/mtbe</u>
<u>MW-5</u>	<u>2XADJIM</u>	<u>N</u>	<u>IFU</u>	<u>" "</u>	<u>TPH-D</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: _____

**WELL MONITORING/SAMPLING
FIELD DATA SHEET**

Client/CHEVRON
 Facility # 9-4800
 Address: 1700 Casteo St.
 City: Oakland, CA

Job#: 386383
 Date: 12-21-01
 Sampler: T.L

Well ID MW-6

Well Condition: OK

Well Diameter 2 in.

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

Total Depth 28.03 ft.

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

Depth to Water 24.65 ft.

3.38 x VF 1.5 = .57 x 3 (case volume) = Estimated Purge Volume: 1.5 (gal.)

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

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

Starting Time: 0941

Weather Conditions: Clear

Sampling Time: 0950

Water Color: Cloudy Odor: N

Purging Flow Rate: _____ gpm.

Sediment Description: _____

Did well de-water? N

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>0943</u>	<u>.50</u>	<u>6.96</u>	<u>1262</u>	<u>67.1</u>			
<u>0944</u>	<u>1.0</u>	<u>6.81</u>	<u>1281</u>	<u>68.8</u>			
<u>0946</u>	<u>1.5</u>	<u>6.83</u>	<u>1293</u>	<u>68.6</u>			
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-6</u>	<u>3XUOANIM</u>	<u>Y</u>	<u>HC</u>	<u>LANCASTER</u>	<u>TPH(G)/btex/mtbe</u>
<u>MW-6</u>	<u>2XAMBOL</u>	<u>Y</u>	<u>HC</u>	<u>" "</u>	<u>TPH-D</u>
_____	_____	_____	_____	_____	_____

COMMENTS: _____

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

Client/CHEVRON

Facility # 9-4800

Job #: 386383

Address: 1700 Casteo St.

Date: 12-21-01

City: Oakland, CA

Sampler: TC

Well ID MW-7

Well Condition: o.k.

Well Diameter 2 in.

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

Total Depth 29.97 ft.

Depth to Water 28.86 ft.

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

1.11 X VF 1.7 = 1.88 X 3 (case volume) = Estimated Purge Volume: 1/2 (gal.)

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

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

Starting Time: 1210

Weather Conditions: clear

Sampling Time: 1215

Water Color: light brown 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>1210</u>	<u>1.6</u>	<u>6.98</u>	<u>1361</u>	<u>66.9</u>	_____	_____	_____
<u>1211</u>	<u>.25</u>	<u>7.01</u>	<u>1358</u>	<u>67.0</u>	_____	_____	_____
<u>1212</u>	<u>.50</u>	<u>7.03</u>	<u>1357</u>	<u>67.0</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-7</u>	<u>6x200ml</u>	<u>Y</u>	<u>HC</u>	<u>LANGASTER</u>	<u>TPH(G)/btex/mtbe</u>
<u>MW-7</u>	<u>2x100ml</u>	<u>N</u>	<u>HC</u>	<u>///</u>	<u>TPH-D</u>
_____	_____	_____	_____	_____	_____

COMMENTS: _____

Chevron California Region Analysis Request/Chain of Custody



211201-007

Acct. #: 10905

For Lancaster Laboratories use only
Sample #: 3750116-23

SCR#: _____

Facility #: <u>9-4800</u> Job # <u>386383</u> Global ID # <u>T0600102076</u>			Matrix <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Water <input type="checkbox"/> Air		Analyses Requested										Preservative Codes H = HCl T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ O = Other					
Site Address: <u>1700 CASTRO ST., OAKLAND, CA</u>					Preservation Codes H H H H H BTEX + MTBE 8260 <input checked="" type="checkbox"/> 8021 TPH 8015 MOD GRO <input type="checkbox"/> Silica Gel Cleanup TPH 8015 MOD DRO <input type="checkbox"/> 8260 full scan 5 Oxygenates + ETHANDI Lead 7420 <input type="checkbox"/> 7421										<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					
Chevron PM: <u>Tom Bauhs</u> Lead Consultant: <u>Delta/G-R</u>			Total Number of Containers Grab Composite																	
Consultant/Office: <u>G-R, Inc., 6747 Sierra Court, Dublin, Ca 94568</u>																				
Consultant Prj. Mgr: <u>Deanna L. Harding</u> (<u>Deanna@grinc.com</u>)																				
Consultant Phone: <u>925-551-7555</u> Fax #: <u>925-551-7899</u>																				
Sampler: <u>Tom Camarda</u>																				
Service Order #: _____ <input type="checkbox"/> Non SAR: _____																				
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	5 Oxygenates + ETHANDI	Lead 7420	7421	Comments / Remarks		
<u>DA</u>		<u>12/21/01</u>	—																	
<u>MW-1</u>			<u>1130</u>	X			X			2	X	X	X							
<u>MW-2</u>			<u>1020</u>	X			X			5	X	X	X							
<u>MW-3</u>			<u>1105</u>	X			X			5	X	X	X							
<u>MW-4</u>			<u>104</u>	X			X			5	X	X	X							
<u>MW-5</u>			<u>157</u>	X			X			5	X	X	X							
<u>MW-6</u>			<u>0950</u>	X			X			5	X	X	X							
<u>MW-7</u>			<u>1215</u>	X			X			8	X	X	X		X					
Turnaround Time Requested (TAT) (please circle) STD. TAT 72 hour 48 hour 24 hour 4 day 5 day		Relinquished by: <u>[Signature]</u> Date: <u>12/21/01</u> Time: <u>1430</u>		Relinquished by: <u>[Signature]</u> Date: <u>12/21/01</u> Time: <u>1452</u>		Relinquished by: _____ Date: _____ Time: _____		Relinquished by Commercial Carrier: UPS FedEx Other: <u>Airborne</u>		Received by: <u>[Signature]</u> Date: <u>12/22/01</u> Time: <u>1000</u>		Received by: <u>[Signature]</u> Date: _____ Time: _____		Received by: _____ Date: _____ Time: _____		Temperature Upon Receipt: <u>2-5-5°C</u>		Custody Seals Intact? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		



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

RECEIVED

JAN 10 2002

GETTLER-RYAN INC.
GENERAL CONTRACTORS

SAMPLE GROUP

The sample group for this submittal is 791406. Samples arrived at the laboratory on Saturday, December 22, 2001. The PO# for this group is 99011184 and the release number is BAUHS.

<u>Client Description</u>		<u>Lancaster Labs Number</u>
QA-T-011221	NA Water	3750116
MW-1-W-011221	Grab Water	3750117
MW-2-W-011221	Grab Water	3750118
MW-3-W-011221	Grab Water	3750119
MW-4-W-011221	Grab Water	3750120
MW-5-W-011221	Grab Water	3750121
MW-6-W-011221	Grab Water	3750122
MW-7-W-011221	Grab Water	3750123

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



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

Respectfully Submitted,



Robert E. Mellinger
Sr. Chemist/Coordinator



Lancaster Laboratories Sample No. WW 3750116

Collected: 12/21/2001 00:00

Account Number: 10905

Submitted: 12/22/2001 10:00
 Reported: 01/08/2002 at 07:45
 Discard: 02/08/2002
 QA-T-011221 NA Water

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

Facility# 94800 Job# 386383 GRD
 1700 Castro St-Oakland T0600102076 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
	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	12/26/2001 17:20	Melissa Mann	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	12/26/2001 17:20	Melissa Mann	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/26/2001 17:20	Melissa Mann	n.a.

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



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



Lancaster Laboratories Sample No. WW 3750117

Collected: 12/21/2001 11:30 by TC

Account Number: 10905

Submitted: 12/22/2001 10:00

Chevron Products Company

Reported: 01/08/2002 at 07:45

6001 Bollinger Canyon Road

Discard: 02/08/2002

Building L PO Box 6004

MW-1-W-011221

Grab Water

San Ramon CA 94583-0904

Facility# 94800 Job# 386383 GRD
1700 Castro St-Oakland T0600102076 MW-1

CSMW1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	n.a.	210.	50.	ug/l	1
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.						
01729	TPH-GRO - Waters					
01730	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.						
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	220.	0.50	ug/l	1
00777	Toluene	108-88-3	16.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	110.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	400.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	34.	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
05553	TPH - DRO CA LUFT (Waters)	CA LUFT Diesel Range Organics	1	12/28/2001 15:22	Devin M. Lahr	1
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/28/2001 21:46	Melissa-Ann S. McAlpine	1

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



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



Lancaster Laboratories

Where quality is a science.

Page 2 of 2

Lancaster Laboratories Sample No. **WW 3750117**

Collected: 12/21/2001 11:30 by TC

Account Number: 10905

Submitted: 12/22/2001 10:00

Chevron Products Company

Reported: 01/08/2002 at 07:45

6001 Bollinger Canyon Road

Discard: 02/08/2002

Building L PO Box 6004

MW-1-W-011221

Grab

Water

San Ramon CA 94583-0904

Facility# 94800 Job# 386383

GRD

1700 Castro St-Oakland T0600102076 MW-1

CSMW1

08214	BTEX, MTBE (8021)	SW-846 8021B	1	12/28/2001 21:46	Melissa-Ann S. McAlpine	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/28/2001 21:46	Melissa-Ann S. McAlpine	n.a.
07003	Extraction - DRO (Waters)	TPH by CA LUFT	1	12/27/2001 17:00	Elia R. Botrous	1

#=Laboratory Method Detection Limit exceeded target detection limit

N.D.=Not detected or below the Reporting Limit



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



Lancaster Laboratories Sample No. **WW 3750118**

Collected: 12/21/2001 10:20 by TC

Account Number: 10905

Submitted: 12/22/2001 10:00
 Reported: 01/08/2002 at 07:45
 Discard: 02/08/2002

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

MW-2-W-011221 Grab Water

Facility# 94800 Job# 386383 GRD
 1700 Castro St-Oakland T0600102076 MW-2

CSMW2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	n.a.	980.	50.	ug/l	1
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.						
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	1,100.	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.						
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	58.	0.50	ug/l	1
00777	Toluene	108-88-3	0.72	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	120.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	14.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	450.	2.5	ug/l	5

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	12/28/2001 15:43	Devin M. Lahr	1
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/29/2001 04:09	Melissa-Ann S. McAlpine	1

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



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



Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3750118

Collected: 12/21/2001 10:20 by TC

Account Number: 10905

Submitted: 12/22/2001 10:00

Chevron Products Company

Reported: 01/08/2002 at 07:45

6001 Bollinger Canyon Road

Discard: 02/08/2002

Building L PO Box 6004

MW-2-W-011221

Grab

Water

San Ramon CA 94583-0904

Facility# 94800 Job# 386383

GRD

1700 Castro St-Oakland T0600102076 MW-2

CSMW2

08214	BTEX, MTBE (8021)	SW-846 8021B	1	12/29/2001 00:05	Melissa-Ann S. McAlpine	5
08214	BTEX, MTBE (8021)	SW-846 8021B	1	12/29/2001 04:09	Melissa-Ann S. McAlpine	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/29/2001 00:05	Melissa-Ann S. McAlpine	n.a.
07003	Extraction - DRO (Waters)	TPH by CA LUFT	1	12/27/2001 17:00	Elia R. Botrous	1

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



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



Lancaster Laboratories Sample No. **WW 3750119**

Collected: 12/21/2001 11:05 by TC

Account Number: 10905

Submitted: 12/22/2001 10:00
 Reported: 01/08/2002 at 07:45
 Discard: 02/08/2002

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

MW-3-W-011221 Grab Water

Facility# 94800 Job# 386383 GRD
 1700 Castro St-Oakland T0600102076 MW-3

CSMW3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	n.a.	180.	50.	ug/l	1
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.						
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	850.	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.						
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	160.	0.50	ug/l	1
00777	Toluene	108-88-3	11.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	32.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	84.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	300.	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
05553	TPH - DRO CA LUFT (Waters)	CA LUFT Diesel Range Organics	1	12/28/2001 16:05	Devin M. Lahr	1
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/29/2001 02:59	Melissa-Ann S. McAlpine	1

#=Laboratory Method Detection Limit Exceeded target detection limit
 M.F.A.L.P. = Methyl Tertiary Butyl Ether
 N.D.=Not detected Above the Reporting Limit



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



Lancaster Laboratories Sample No. WW 3750119

Collected: 12/21/2001 11:05 by TC

Account Number: 10905

Submitted: 12/22/2001 10:00
Reported: 01/08/2002 at 07:45
Discard: 02/08/2002

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

MW-3-W-011221 Grab Water

Facility# 94800 Job# 386383 GRD
1700 Castro St-Oakland T0600102076 MW-3

CSMW3	Method	Sample ID	Count	Date/Time	Analyst	Result
08214	BTEX, MTBE (8021)	SW-846 8021B	1	12/29/2001 02:59	Melissa-Ann S. McAlpine	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/29/2001 02:59	Melissa-Ann S. McAlpine	n.a.
07003	Extraction - DRO (Waters)	TPH by CA LUFT	1	12/27/2001 17:00	Elia R. Botrous	1

#=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



Lancaster Laboratories Sample No. **WW 3750120**

Collected: 12/21/2001 10:41 by TC

Account Number: 10905

Submitted: 12/22/2001 10:00

Chevron Products Company

Reported: 01/08/2002 at 07:46

6001 Bollinger Canyon Road

Discard: 02/08/2002

Building L PO Box 6004

MW-4-W-011221

Grab

Water

San Ramon CA 94583-0904

Facility# 94800 Job# 386383 GRD

1700 Castro St-Oakland T0600102076 MW-4

CSMW4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	n.a.	1,100.	50.	ug/l	1
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.						
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	310.	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.						
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	2.9	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	2.6	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	32.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	860.	2.5	ug/l	5

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	12/28/2001 16:26	Devin M. Lahr	1
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/29/2001 04:44	Melissa-Ann S. McAlpine	1

#=Laboratory Method Detection Limit Exceeded target detection limit

N.D.=Not detected or above the Reporting Limit



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



Lancaster Laboratories Sample No. **WW 3750120**

Collected: 12/21/2001 10:41 by TC

Account Number: 10905

Submitted: 12/22/2001 10:00

Reported: 01/08/2002 at 07:46

Discard: 02/08/2002

MW-4-W-011221

Grab

Water

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

Facility# 94800 Job# 386383 GRD
1700 Castro St-Oakland T0600102076 MW-4

CSMW4	Method	Sample ID	Count	Date/Time	Analyst	Result
08214	BTEX, MTBE (8021)	SW-846 8021B	1	12/29/2001 02:24	Melissa-Ann S. McAlpine	5
08214	BTEX, MTBE (8021)	SW-846 8021B	1	12/29/2001 04:44	Melissa-Ann S. McAlpine	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/29/2001 02:24	Melissa-Ann S. McAlpine	n.a.
07003	Extraction - DRO (Waters)	TPH by CA LUFT	1	12/27/2001 17:00	Elia R. Botrous	1

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



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 3750121**

Collected: 12/21/2001 11:51 by TC

Account Number: 10905

Submitted: 12/22/2001 10:00

Chevron Products Company

Reported: 01/08/2002 at 07:46

6001 Bollinger Canyon Road

Discard: 02/08/2002

Building L PO Box 6004

MW-5-W-011221

Grab

Water

San Ramon CA 94583-0904

Facility# 94800 Job# 386383 GRD

1700 Castro St-Oakland T0600102076 MW-5

CSMW5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	n.a.	110.	50.	ug/l	1
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.						
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
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.						

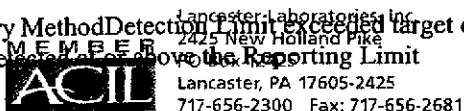
State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
---------	---------------	--------	--------	------------------------	---------	-----------------

#=Laboratory Method Detection Limit exceeded target detection limit

N.D.=Not detected above the Reporting Limit





Lancaster Laboratories Sample No. **WW 3750121**

Collected: 12/21/2001 11:51 by TC

Account Number: 10905

Submitted: 12/22/2001 10:00

Chevron Products Company

Reported: 01/08/2002 at 07:46

6001 Bollinger Canyon Road

Discard: 02/08/2002

Building L PO Box 6004

MW-5-W-011221

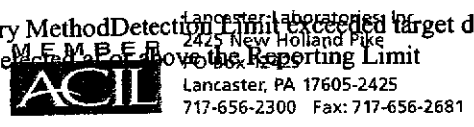
Grab Water

San Ramon CA 94583-0904

Facility# 94800 Job# 386383 GRD
1700 Castro St-Oakland T0600102076 MW-5

CSMW5	Method	Sample	Method	Count	Date/Time	Analyst	Result
05553	TPH - DRO CA LUFT (Waters)	CA LUFT Diesel Range Organics	CA LUFT Diesel Range Organics	1	12/28/2001 16:48	Devin M. Lahr	1
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	N. CA LUFT Gasoline Method	1	12/27/2001 00:53	Melissa Mann	1
08214	BTEX, MTBE (8021)	SW-846 8021B	SW-846 8021B	1	12/27/2001 00:53	Melissa Mann	1
01146	GC VOA Water Prep	SW-846 5030B	SW-846 5030B	1	12/27/2001 00:53	Melissa Mann	n.a.
07003	Extraction - DRO (Waters)	TPH by CA LUFT	TPH by CA LUFT	1	12/27/2001 17:00	Elia R. Botrous	1

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





Lancaster Laboratories Sample No. **WW 3750122**

Collected: 12/21/2001 09:50 by TC Account Number: 10905

Submitted: 12/22/2001 10:00
 Reported: 01/08/2002 at 07:46
 Discard: 02/08/2002
 MW-6-W-011221 Grab Water

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

Facility# 94800 Job# 386383 GRD
 1700 Castro St-Oakland T0600102076 MW-6

CSMW6

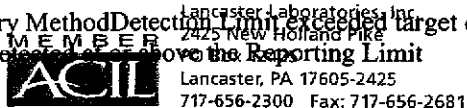
CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	n.a.	200.	50.	ug/l	1
According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).						
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	8.5	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
05553	TPH - DRO CA LUFT (Waters)	CA LUFT Diesel Range Organics	1	12/31/2001 17:00	Tracy A. Cole	1

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





Lancaster Laboratories Sample No. WW 3750122

Collected: 12/21/2001 09:50 by TC

Account Number: 10905

Submitted: 12/22/2001 10:00
Reported: 01/08/2002 at 07:46
Discard: 02/08/2002

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

MW-6-W-011221 Grab Water

Facility# 94800 Job# 386383 GRD
1700 Castro St-Oakland T0600102076 MW-6

CSMW6	Method	Sample	Count	Date/Time	Analyst	Result
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/27/2001 01:28	Melissa Mann	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	12/27/2001 01:28	Melissa Mann	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/27/2001 01:28	Melissa Mann	n.a.
07003	Extraction - DRO (Waters)	TPH by CA LUFT	1	12/27/2001 17:00	Elia R. Botrous	1

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



MEMBER
2425 New Holland Pike
PO Box 4242
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681



Lancaster Laboratories Sample No. **WW 3750123**

Collected: 12/21/2001 12:15 by TC

Account Number: 10905

Submitted: 12/22/2001 10:00
 Reported: 01/08/2002 at 07:46
 Discard: 02/08/2002
 MW-7-W-011221

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

Grab Water

Facility# 94800 Job# 386383 GRD
 1700 Castro St-Oakland T0600102076 MW-7

CSMW7

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).	n.a.	210.	50.	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 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.	1634-04-4	620.	2.5	ug/l	5
01594	BTEX + Oxygenates by 8260B					
01587	Ethanol	64-17-5	N.D.	500.	ug/l	1
02010	Methyl t-butyl ether	1634-04-4	670.	3.	ug/l	5
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	15.	2.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	100.	ug/l	1

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



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



Lancaster Laboratories Sample No. **WW 3750123**

Collected: 12/21/2001 12:15 by TC

Account Number: 10905

Submitted: 12/22/2001 10:00
 Reported: 01/08/2002 at 07:46
 Discard: 02/08/2002

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

MW-7-W-011221 Grab Water

Facility# 94800 Job# 386383 GRD
 1700 Castro St-Oakland T0600102076 MW-7

CSMW7

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
State of California Lab Certification No. 2116						

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
05553	TPH - DRO CA LUFT (Waters)	CA LUFT Diesel Range Organics	1	12/31/2001 17:22	Tracy A. Cole	1
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/27/2001 02:03	Melissa Mann	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	12/27/2001 02:03	Melissa Mann	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	12/27/2001 13:57	Melissa Mann	5
01594	BTEX + Oxygenates by 8260B	SW-846 8260B	1	12/24/2001 16:39	Nicole S. Albright	5
01594	BTEX + Oxygenates by 8260B	SW-846 8260B	1	12/27/2001 16:31	Marla S. Lord	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/27/2001 02:03	Melissa Mann	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/27/2001 16:31	Marla S. Lord	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	2	12/24/2001 16:39	Nicole S. Albright	n.a.
07003	Extraction - DRO (Waters)	TPH by CA LUFT	1	12/27/2001 17:00	Elia R. Botrous	1

#=Laboratory Method Detection Limit exceeded target detection limit
 N.D.=Not detected
 M.F.L.P.E. Above the Reporting Limit





Lancaster Laboratories

Where quality is a science.

Quality Control Summary

Client Name: Chevron Products Company
Reported: 01/08/02 at 07:46 AM

Group Number: 791406

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: 01360A55	Sample number(s): 3750116,3750121-3750123							
Benzene	N.D.	0.5	ug/l	89	90	80-118	1	30
Toluene	N.D.	0.5	ug/l	97	98	82-119	1	30
Ethylbenzene	N.D.	0.5	ug/l	99	99	81-119	0	30
Total Xylenes	N.D.	1.5	ug/l	99	99	82-120	0	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	97	95	79-127	2	30
TPH-GRO - Waters				91	93	76-119	2	20
Batch number: 013610008A	Sample number(s): 3750117-3750123							
TPH - DRO CA LUFT (Waters)	N.D.	50.	ug/l	88	96	54-120	10	20
Batch number: 01361A55	Sample number(s): 3750117-3750120							
Benzene	N.D.	0.5	ug/l	94		80-118		
Toluene	N.D.	0.5	ug/l	100		82-119		
Ethylbenzene	N.D.	0.5	ug/l	101		81-119		
Total Xylenes	N.D.	1.5	ug/l	100		82-120		
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	96		79-127		
TPH-GRO - Waters	N.D.	50.	ug/l	96		76-119		
Batch number: U013601AB	Sample number(s): 3750123							
Ethanol	N.D.	500.	ug/l	105		70-130		
di-Isopropyl ether	N.D.	2.	ug/l	100		74-125		
Ethyl t-butyl ether	N.D.	2.	ug/l	98		74-120		
t-Amyl methyl ether	N.D.	2.	ug/l	97		77-118		
t-Butyl alcohol	N.D.	100.	ug/l	97		58-147		
Batch number: V013581AA	Sample number(s): 3750123							
Methyl t-butyl ether	N.D.	2.	ug/l	93		77-127		

Sample Matrix Quality Control

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>BKG MAX</u>	<u>Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 01360A55	Sample number(s): 3750116,3750121-3750123								
Benzene	102		66-140						
Toluene	109		72-138						
Ethylbenzene	112		71-138						
Total Xylenes	111		69-140						
Methyl tert-Butyl Ether	99		60-145						
TPH-GRO - Waters	95		74-132						
Batch number: 01361A55	Sample number(s): 3750117-3750120								
Benzene	99	96	66-140	3	30				
Toluene	106	104	72-138	2	30				
Ethylbenzene	109	107	71-138	2	30				
Total Xylenes	108	106	69-140	2	30				
Methyl tert-Butyl Ether	97	96	60-145	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.



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.

Quality Control Summary

Client Name: Chevron Products Company
 Reported: 01/08/02 at 07:46 AM

Group Number: 791406

Sample Matrix Quality Control

Analysis Name	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup RPD
	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>Max</u>
TPH-GRO - Waters	96	99	74-132	3	20			
Batch number: U013601AB	Sample number(s): 3750123							
Ethanol	117	107	70-130	9	30			
di-Isopropyl ether	102	101	75-128	1	30			
Ethyl t-butyl ether	101	101	73-123	1	30			
t-Amyl methyl ether	102	98	69-126	4	30			
t-Butyl alcohol	102	101	50-157	1	30			
Batch number: V013581AA	Sample number(s): 3750123							
Methyl t-butyl ether	91	91	69-134	0	30			

Surrogate Quality Control

Analysis Name: TPH-GRO - Waters
 Batch number: 01360A55

	Trifluorotoluene-F	Trifluorotoluene-P
3750116	94	85
3750121	96	85
3750122	96	85
3750123	94	85
Blank	95	86
LCS	102	85
LCSD	103	85
MS	127	88
Limits:	65-137	72-134

Analysis Name: TPH - DRO CA LUFT (Waters)
 Batch number: 013610008A
 Orthoterphenyl

3750117	116
3750118	95
3750119	101
3750120	97
3750121	98
3750122	101
3750123	91
Blank	96
LCS	96
LCSD	105
Limits:	59-157

Analysis Name: TPH-GRO - Waters
 Batch number: 01361A55

***- 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.



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.
Quality Control Summary

Client Name: Chevron Products Company
 Reported: 01/08/02 at 07:46 AM

Group Number: 791406

Surrogate Quality Control

	Trifluorotoluene-F	Trifluorotoluene-P
3750117	100	85
3750118	96	84
3750119	96	86
3750120	99	81
Blank	99	89
LCS	112	88
MS	104	88
MSD	103	86
Limits:	65-137	72-134

Analysis Name: BTEX + Oxygenates by 8260B
 Batch number: U013601AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
3750123	89	89	93	92
Blank	91	91	94	93
LCS	89	95	92	89
MS	90	92	93	91
MSD	90	88	94	92
Limits:	86-118	80-120	88-110	86-115

Analysis Name: 8260 Master Scan (water)
 Batch number: V013581AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
Blank	97	99	98	96
LCS	98	100	97	94
MS	96	98	98	95
MSD	98	99	96	95
Limits:	86-118	80-120	88-110	86-115

*- 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.



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