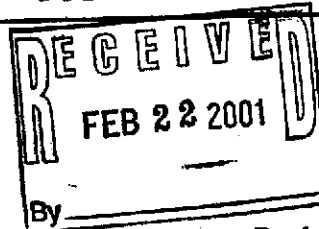




# GETTLER-RYAN INC.

## TRANSMITTAL



February 16, 2001  
G-R #386383

**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
2	February 9, 2001	Groundwater Monitoring and Sampling Report Fourth Quarter - Event of December 22, 2000

**COMMENTS:**

Enclosed are copies of the above referenced report for your review and distribution to the following:

Ms. Eva Chu, Alameda County Health Care Services, Dept. of Environmental Health, 1131 Harbor Bay Parkway,  
Suite 250, Alameda, CA 94502-6577

Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to *February 28, 2001*, at which time the final report will be distributed to the following:

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 9, 2001  
G-R Job #386383

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

**RE: Fourth Quarter Event of December 22, 2000**  
Groundwater Monitoring & Sampling Report  
Chevron Service Station #9-4800  
1700 Castro Street  
Oakland, California

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*  
Deanna L. Harding  
Project Coordinator

*Stephen J. Carter*  
Stephen J. Carter  
Senior Geologist, R.G. No. 5577

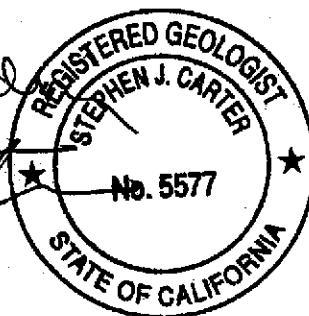


Figure 1: Potentiometric Map  
Table 1: Groundwater Monitoring Data and Analytical Results  
Table 2: Groundwater Analytical Results - Oxygenate Compounds  
Attachments: Standard Operating Procedure - Groundwater Sampling  
Field Data Sheets  
Chain of Custody Document and Laboratory Analytical Reports



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

WELL ID/ DATE	TOC ( <i>fl.</i> )	GWE ( <i>mst</i> )	DTW ( <i>fl.</i> )	TPH-D ( <i>ppb</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> )
<b>MW-1</b>										
06/04/97	30.75	4.39	25.82	71 <sup>1</sup>	890	100	110	29	150	<10
09/16/97	30.75	4.85	25.90	75 <sup>1</sup>	1600	210	210	60	250	<10
12/17/97	30.75	4.88	25.87	65 <sup>1</sup>	940	120	100	41	160	<25
03/18/98	30.75	5.90	24.85	77 <sup>1</sup>	530	91	39	22	65	6.8
06/28/98	30.75	5.92	24.83	140 <sup>1</sup>	1100	220	140	37	120	14
09/07/98	30.75	5.56	25.19	280 <sup>1</sup>	1700	530	86	84	240	49
12/09/98	30.75	5.10	25.65	240 <sup>1</sup>	1700	240	130	100	270	32
03/11/99	30.75	5.30	25.45	98 <sup>1</sup>	353	53.9	28.6	20.5	56.1	14.1
06/17/99	30.75	5.39	25.36	217 <sup>1</sup>	810	270	150	95	340	15
09/29/99	30.75	5.13	25.62	153 <sup>1</sup>	659	76	49.7	35.1	118	12.6
12/14/99	30.75	5.07	25.68	188 <sup>1,2</sup>	2760	287	199	139	502	<12.5
03/09/00 <sup>3</sup>	30.75	5.54	25.21	166 <sup>1</sup>	1590	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 <sup>7</sup>	650 <sup>6</sup>	130	49	69	190	21
12/22/00	30.75	5.05	25.70	200 <sup>9</sup>	640 <sup>6</sup>	110	33	58	160	68
<b>MW-2</b>										
06/04/97	30.00	5.13	24.87	4,000 <sup>1</sup>	13,000	790	30	420	1700	4000
09/16/97	30.00	5.06	24.94	2,200 <sup>1</sup>	4000	360	9.7	210	460	1500
12/17/97	30.00	5.18	24.82	2,100 <sup>1</sup>	4100	380	<10	200	460	2100
03/18/98	30.00	6.43	23.57	3,700 <sup>1</sup>	8400	1800	<50	350	630	13,000
06/28/98 <sup>4</sup>	30.00	6.21	23.79	4,400 <sup>1</sup>	9300	740	340	710	2300	3800
09/07/98	30.00	5.78	24.22	3,100 <sup>1</sup>	9900	1000	150	640	1800	4500/4100 <sup>5</sup>
12/09/98	30.00	5.31	24.69	1,900 <sup>1</sup>	8500	860	74	610	960	2600/2600 <sup>5</sup>
03/11/99	30.00	5.79	24.21	2,700 <sup>1</sup>	12,500	1520	42.2	645	2250	3400/5050 <sup>5</sup>
06/17/99	30.00	5.69	24.31	7,150 <sup>1</sup>	27,000	2200	260	1500	5900	4700
09/29/99	30.00	5.45	24.55	3,030 <sup>1</sup>	6910	582	11.1	491	1170	1970
12/14/99	30.00	5.39	24.61	615 <sup>1,2</sup>	4230	282	12.3	284	690	631

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

WELL ID/ DATE	TOC (ft.)	GWE (mst)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
<b>MW-2 (cont)</b>										
03/09/00 <sup>3</sup>	30.00	6.08	23.92	3,300 <sup>1</sup>	15,300	1110	39.4	1040	3030	2470
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 <sup>7</sup>	3,600 <sup>6</sup>	280	<10	420	430	290
12/22/00	30.00	5.39	24.61	870 <sup>9</sup>	1,500 <sup>6</sup>	100	<1.3	160	59	380
<b>MW-3</b>										
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 <sup>1</sup>	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 <sup>1</sup>	530	190	110	24	88	210
09/29/99	31.32	5.61	25.71	232 <sup>1</sup>	433	97.8	61.4	16.9	56.6	156
12/14/99	31.32	5.55	25.77	<50 <sup>2</sup>	8650	1040	795	212	800	995
03/09/00 <sup>3</sup>	31.32	6.14	25.18	74.6 <sup>1</sup>	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 <sup>8</sup>	220 <sup>6</sup>	42	33	12	38	67
12/22/00	31.32	5.52	25.80	110 <sup>9</sup>	370 <sup>6</sup>	96	48	18	58	180

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

WELL ID/ DATE	TOC ( <i>l.</i> )	GWE ( <i>mst</i> )	DTW ( <i>l.</i> )	TPH-D ( <i>ppb</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> )
<b>MW-4</b>										
04/08/99	30.13	--	--	--	130	3.1	<0.5	<0.5	7.7	4700
06/17/99	30.13	5.19	24.94	3,780 <sup>1</sup>	590	58	<5.0	<5.0	160	6200
09/29/99	30.13	4.96	25.17	1,130 <sup>1</sup>	692	10.7	<2.5	5.51	236	7840
12/14/99	30.13	4.91	25.22	571 <sup>1,2</sup>	625	<10	3.83	<10	94.6	4470
03/09/00 <sup>3</sup>	30.13	5.45	24.68	600 <sup>4</sup>	402	3.76	1.18	<0.5	71.4	3140
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 <sup>7</sup>	280 <sup>6</sup>	21	0.67	6.3	60	3,300
12/22/00	30.13	4.90	25.23	740 <sup>9</sup>	240 <sup>6</sup>	2.2	<0.50	1.3	25	2,200
<b>MW-5</b>										
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 <sup>1</sup>	<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 <sup>2</sup>	<50	<0.5	<0.5	<0.5	<0.5	0.598
03/09/00 <sup>3</sup>	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 <sup>8</sup>	<50	<0.50	<0.50	<0.50	<0.50	<2.5
12/22/00	30.93	4.60	26.33	250 <sup>8</sup>	<50	<0.50	<0.50	<0.50	<0.50	9.1
<b>MW-6</b>										
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 <sup>2</sup>	<50	<0.5	<0.5	<0.5	<0.5	4.13
03/09/00 <sup>3</sup>	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 <sup>8</sup>	<50	<0.50	<0.50	<0.50	<0.50	7.3
12/22/00	30.58	5.75	24.83	100 <sup>8</sup>	<50	<0.50	<0.50	<0.50	<0.50	4.5

**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)
<b>TRIP BLANK</b>										
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
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 <sup>3</sup>	--	--	--	--	<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 <sup>10</sup>	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<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

(ft.) = Feet

GWE = Groundwater Elevation

(msl) = Mean sea level

DTW = Depth to Water

TPH-D = Total Petroleum Hydrocarbons as Diesel

TPH-G = Total Petroleum Hydrocarbons as Gasoline

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes

MTBE = Methyl tertiary butyl ether

-- = Not Measured/Not Analyzed

(ppb) = Parts per Billion

- <sup>1</sup> Chromatogram pattern indicates an unidentified hydrocarbon.
- <sup>2</sup> Sample was extracted outside EPA recommended holding time.
- <sup>3</sup> TPH-Gasoline, Benzene, Toluene, Ethyl Benzene Xylene & MTBE was analyzed outside EPA recommended holding time.
- <sup>4</sup> EPA Method 8240.
- <sup>5</sup> Confirmation run.
- <sup>6</sup> Laboratory report indicates gasoline C6-C12.
- <sup>7</sup> Laboratory report indicates unidentified hydrocarbons C9-C24.
- <sup>8</sup> Laboratory report indicates unidentified hydrocarbons >C16.
- <sup>9</sup> Laboratory report indicates unidentified hydrocarbons C9-C40.
- <sup>10</sup> Laboratory report indicates this sample was analyzed outside of the EPA recommended holding time.



**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

**EXPLANATIONS:**

Groundwater laboratory analytical results 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/ Facility # CHEVRON 9-4800  
 Address: 1700 CASTRO ST.  
 City: OAKLAND, CA

Job#: 386383  
 Date: 12-22-00  
 Sampler: FRAUK T.

Well ID: MW-1 Well Condition: OK  
 Well Diameter: 2" in. Amount Bailed (product/water): 0 (gal.)  
 Total Depth: 29.88 ft. Hydrocarbon Thickness: 0 in.  
 Depth to Water: 25.70 ft. Volume Factor (VF):  
 2" = 0.17      3" = 0.38      4" = 0.66  
 6" = 1.50      12" = 5.80

4.18 x VF 0.17 = 0.71 x 3 (case volume) = Estimated Purge Volume: 2.13 (gal.)

Purge Equipment: (Disposable Bailer)  
 Bailer  
 Stack  
 Suction  
 Grundfos  
 Other: \_\_\_\_\_

Sampling Equipment: (Disposable Bailer)  
 Bailer  
 Pressure Bailer  
 Grab Sample  
 Other: \_\_\_\_\_

Starting Time: 11:48 Weather Conditions: SUNNY  
 Sampling Time: 12:04 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 $\mu\text{mhos/cm} \times 100$	Temperature $^{\circ}\text{F}$	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>11:51</u>	<u>.50</u>	<u>7.23</u>	<u>651</u>	<u>67.3</u>	_____	_____	_____
<u>11:53</u>	<u>1.0</u>	<u>7.21</u>	<u>653</u>	<u>68.2</u>	_____	_____	_____
<u>11:56</u>	<u>2.0</u>	<u>7.19</u>	<u>640</u>	<u>68.0</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-1</u>	<u>4 x VOA VIAL</u>	<u>Y</u>	<u>HCL</u>	<u>SEAMA</u>	<u>TPH/BTEX/MSD</u>
	<u>1 LITEL AMBIL</u>	<u>"</u>	<u>NDMX</u>	<u>"</u>	<u>TPH-DIESEL</u>

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # CHEVRON 9-4800  
 Address: 1700 CASTRO ST  
 City: OAKLAND, CA

Job#: 386383  
 Date: 12-22-00  
 Sampler: FRANK T.

Well ID: MW-3 Well Condition: OK  
 Well Diameter: 2" in Hydrocarbon Thickness: 0 in Amount Bailed (product/water): 0 gal  
 Total Depth: 29.44 ft  
 Depth to Water: 25.80 ft

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

3.64 x VF .17 = .61 x 3 (case volume) = Estimated Purge Volume: 1.85 gal

Purge Equipment: (Disposable Bailer)  
 Bailer  
 Stack  
 Suction  
 Grundfos  
 Other: \_\_\_\_\_

Sampling Equipment: (Disposable Bailer)  
 Bailer  
 Pressure Bailer  
 Grab Sample  
 Other: \_\_\_\_\_

Starting Time: 11:02 Weather Conditions: SUNNY  
 Sampling Time: 11:19 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 $\mu\text{mhos/cm} \times 100$	Temperature $^{\circ}\text{F}$	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>11:05</u>	<u>.50</u>	<u>7.14</u>	<u>656</u>	<u>65.7</u>			
<u>11:08</u>	<u>1.0</u>	<u>7.04</u>	<u>670</u>	<u>66.7</u>			
<u>11:11</u>	<u>2.0</u>	<u>6.98</u>	<u>661</u>	<u>66.1</u>			

### LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-3</u>	<u>4 x VOA VIAL</u>	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>TPH/BTEX/MTOE</u>
	<u>1 LITER</u>	<u>"</u>	<u>NONE</u>	<u>"</u>	<u>TPH-DIESEL</u>
	<u>AMBER</u>				

COMMENTS: \_\_\_\_\_

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # CHEVRON 9-4800  
 Address: 1700 CASTRO ST.  
 City: OAKLAND, CA

Job#: 386383  
 Date: 12-22-00  
 Sampler: FRANK T.

Well ID: MW-4 Well Condition: OK  
 Well Diameter: 2" in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)  
 Total Depth: 28.34 ft.  
 Depth to Water: 25.23 ft.

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

3.11 x VF .17 = .52 x 3 (loss volume) = Estimated Purge Volume: 1.58 (gal.)

Purge Equipment: (Disposable Bailer)  
 Bailer  
 Stack  
 Suction  
 Grundfos  
 Other: \_\_\_\_\_

Sampling Equipment: (Disposable Bailer)  
 Bailer  
 Pressure Bailer  
 Grab Sample  
 Other: \_\_\_\_\_

Starting Time: 11:26 Weather Conditions: SUNNY  
 Sampling Time: 11:41 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 $\mu\text{mhos/cm} \times 100$	Temperature $^{\circ}\text{F}$	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>11:28</u>	<u>.50</u>	<u>7.09</u>	<u>676</u>	<u>67.2</u>	_____	_____	_____
<u>11:30</u>	<u>1.0</u>	<u>6.96</u>	<u>685</u>	<u>67.9</u>	_____	_____	_____
<u>11:33</u>	<u>2.0</u>	<u>6.91</u>	<u>707</u>	<u>68.0</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-4</u>	<u>4 x VDA VIAL</u>	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>TPH/BTEX/MTOE</u>
	<u>1 LITER</u>	<u>N</u>	<u>NONE</u>	<u>"</u>	<u>TPH-DIESEL</u>
	<u>AMBER</u>				

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # CHEVRON 9-4800  
 Address: 1700 CASTRO ST.  
 City: OAKLAND, CA

Job#: 386383  
 Date: 12-22-00  
 Sampler: FRANK T.

Well ID: MW-5 Well Condition: OK  
 Well Diameter: 2" in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)  
 Total Depth: 27.98 ft. Volume Factor (VF):  
 2" = 0.17      3" = 0.38      4" = 0.66  
 6" = 1.50      12" = 5.80

Depth to Water: 26.33 ft.  
 $1.65 \times VF .29 = .474 \times 3 \text{ (base volume)} = \text{Estimated Purge Volume: } 1.0 \text{ (gal.)}$

Purge Equipment: (Disposable Bailor) Bailor Stack Suction Grundfos Other: \_\_\_\_\_  
 Sampling Equipment: (Disposable Bailor) Bailor Pressure Bailor Grab Sample Other: \_\_\_\_\_

Starting Time: 10:28 Weather Conditions: SUNNY  
 Sampling Time: 10:56 Water Color: CLEAR Odor: NO  
 Purging Flow Rate: \_\_\_\_\_ gpm Sediment Description: \_\_\_\_\_  
 Did well de-water? NO If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal)	pH	Conductivity $\mu\text{mhos/cm } \times 100$	Temperature $^{\circ}\text{F}$	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
10:44	.25	7.26	733	67.2			
10:46	.50	7.24	736	67.9			
10:48	1.0	7.14	740	68.1			

SAMPLE ID	(S) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES	
					TPH	BTEX / MTBE
MW-5	4 x VDA VIAL	Y	HCL	SEQUOIA	TPH	BTEX / MTBE
	1 LITEN	"	NONE	"	TPH - DIESEL	
	AMBER					

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # CHEVRON 9-4800 Job#: 386383  
 Address: 1700 CASTRO ST. Date: 12-22-00  
 City: OAKLAND, CA Sampler: FRANK T.

Well ID MW-6 Well Condition: OK  
 Well Diameter 2" In. Hydrocarbon Thickness: 0 In. Amount Bailed (product/water): 0 (gal.)  
 Total Depth 28.14 ft.  
 Depth to Water 24.83 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	8" = 3.80	12" = 5.80

3.31 x VF .17 = .56 X 3 (case volume) = Estimated Purge Volume: 1.69 (gal.)

Purge Equipment: (Disposable Bailor) Bailor Stack Suction Grundfos Other: \_\_\_\_\_  
 Sampling Equipment: (Disposable Bailor) Bailor Pressure Bailor Grab Sample Other: \_\_\_\_\_

Starting Time: 10:06 Weather Conditions: SUNNY  
 Sampling Time: 10:22 Water Color: CLEAR Odor: NO  
 Purging Flow Rate: \_\_\_\_\_ Sediment Description: \_\_\_\_\_  
 Did well de-water? NO If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu\text{mhos/cm} \times 100$	Temperature $^{\circ}\text{F}$	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>10:09</u>	<u>.50</u>	<u>7.29</u>	<u>762</u>	<u>71.4</u>			
<u>10:11</u>	<u>1.0</u>	<u>7.14</u>	<u>509</u>	<u>70.4</u>			
<u>10:14</u>	<u>2.0</u>	<u>7.04</u>	<u>542</u>	<u>70.1</u>			

### LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-6</u>	<u>4 X VDA VIAL</u>	<u>Y</u>	<u>HCL</u>	<u>SEADIA</u>	<u>TPH/STX/MTOE</u>
	<u>1 LITER</u>	<u>"</u>	<u>NONE</u>	<u>"</u>	<u>TPH-DIESEL</u>
	<u>AMBER</u>				

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



Fax copy of Lab Report and COC to Chevron Contact:  Yes  No

**Chain-of-Custody-Record**

Chevron Products Co.  
P.O. BOX 6004  
San Ramon, CA 94583  
FAX (925)842-8370

Chevron Facility Number #9-4800  
Facility Address 1700 CASTRO ST., OAKLAND, CA.  
Consultant Project Number 386383  
Consultant Name GETTLER-RYAN INC.  
Address 6747 SIERRA COURT, SUITE J, DUBLIN, CA 94568  
Project Contact (Name) DEANNA L. HARDING  
(Phone) 925-551-7555 (Fax Number) 925-551-7899

Chevron Contact (Name) MR. TOM BAUHS  
(Phone) (925) 842-8898  
Laboratory Name SEQUOIA W012639  
Laboratory Service Order  
Laboratory Service Code  
Samples Collected by (Name) FRANK TERRINO  
Signature *[Signature]*

State Method:  CA  OR  WA  NW Series  CO  UT IDAHO

Sample Number	Number of Containers	Matrix S = Soil W = Water C = Charcoal	A = Air W = Water C = Charcoal	Sample Preservation	Date/Time	State Method: <input checked="" type="checkbox"/> CA <input type="checkbox"/> OR <input type="checkbox"/> WA <input type="checkbox"/> NW Series <input type="checkbox"/> CO <input type="checkbox"/> UT IDAHO													Remarks							
						BTX/MTBE+TPH GAS (8020)	BTX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Organics (8250)	Petroleum Hydrocarbons (8010)	Petroleum Organics (8250)	Extractable Organics (8270)	Oil and Grease (8020)	Metals (ICAP or AA) Cd, Cr, Pb, Zn, Ni	BTX (8020)	BTX/MTBE/Naph. (8020)	TPH - HCD	TPH-O Extended		Lab Sample No.						
TB-LB	1	W	HCL		12-22-01	X																				
MU-1	4				12:04	X	X																			
MU-2	4				12:26	X	X																			
MU-3	4				11:19	X	X																			
MU-4	4				11:41	X	X																			
MU-5	4				10:56	X	X																			
MU-6	4				10:22	X	X																			

Relinquished By (Signature) <i>[Signature]</i>	Organization G-R INC.	Date/Time 12-27-01	Received By (Signature)	Organization	Date/Time	Iced Y/N
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Iced Y/N
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)	Organization	Date/Time	Iced Y/N

Turn Around Time (Circle Choice)

24 Hrs.  
48 Hrs.  
5 Days  
10 Days  
As Contracted



# Sequoia Analytical

404 N. Wiget Lane  
Walnut Creek, CA 94598  
(925) 988-9600  
FAX (925) 988-9673  
www.sequoialabs.com

23 January, 2001

Deanna L. Harding  
Gettler Ryan, Inc. - Dublin  
6747 Sierra Court Suite J  
Dublin, CA 94568

RE: Chevron  
Sequoia Report: W012634

Enclosed are the results of analyses for samples received by the laboratory on 27-Dec-00 15:33. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Charlie Westwater  
Project Manager

CA ELAP Certificate #1271





Gettler Ryan, Inc. - Dublin  
6747 Sierra Court Suite J  
Dublin CA, 94568

Project: Chevron  
Project Number: Chevron # 9-4800  
Project Manager: Deanna L. Harding

Reported:  
23-Jan-01 11:53

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-LB	W012634-01	Water	22-Dec-00 00:00	27-Dec-00 15:33
MW-1	W012634-02	Water	22-Dec-00 12:04	27-Dec-00 15:33
MW-2	W012634-03	Water	22-Dec-00 12:26	27-Dec-00 15:33
MW-3	W012634-04	Water	22-Dec-00 11:19	27-Dec-00 15:33
MW-4	W012634-05	Water	22-Dec-00 11:41	27-Dec-00 15:33
MW-5	W012634-06	Water	22-Dec-00 10:56	27-Dec-00 15:33
MW-6	W012634-07	Water	22-Dec-00 10:22	27-Dec-00 15:33

Sequoia Analytical - Walnut Creek

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

  
Charlie Westwater, Project Manager





Gettler Ryan, Inc. - Dublin  
6747 Sierra Court Suite J  
Dublin CA, 94568

Project: Chevron  
Project Number: Chevron # 9-4800  
Project Manager: Deanna L. Harding

Reported:  
23-Jan-01 11:53

**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT  
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>TB-LB (W012634-01) Water</b> Sampled: 22-Dec-00 00:00 Received: 27-Dec-00 15:33									<b>I-02</b>
Purgeable Hydrocarbons	ND	50	ug/l	1	1A10014	05-Jan-01	06-Jan-01	EPA 8015M/8020	
Benzene	ND	0.50	"	"	"	"	"	"	CC-3
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	CC-3
<i>Surrogate: a,a,a-Trifluorotoluene</i>		107 %	70-130	"	"	"	"	"	
<b>MW-1 (W012634-02) Water</b> Sampled: 22-Dec-00 12:04 Received: 27-Dec-00 15:33									<b>P-01</b>
Purgeable Hydrocarbons	640	50	ug/l	1	1A10014	05-Jan-01	05-Jan-01	EPA 8015M/8020	
Benzene	110	0.50	"	"	"	"	"	"	CC-3
Toluene	33	0.50	"	"	"	"	"	"	
Ethylbenzene	58	0.50	"	"	"	"	"	"	
Xylenes (total)	160	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	68	2.5	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		93.3 %	70-130	"	"	"	"	"	
<b>MW-2 (W012634-03) Water</b> Sampled: 22-Dec-00 12:26 Received: 27-Dec-00 15:33									<b>P-01</b>
Purgeable Hydrocarbons	1500	130	ug/l	2.5	1A10014	05-Jan-01	05-Jan-01	EPA 8015M/8020	
Benzene	100	1.3	"	"	"	"	"	"	CC-3
Toluene	ND	1.3	"	"	"	"	"	"	
Ethylbenzene	160	1.3	"	"	"	"	"	"	
Xylenes (total)	59	1.3	"	"	"	"	"	"	
Methyl tert-butyl ether	380	6.3	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		85.0 %	70-130	"	"	"	"	"	





Gettler Ryan, Inc. - Dublin 6747 Sierra Court Suite J Dublin CA, 94568	Project: Chevron Project Number: Chevron # 9-4800 Project Manager: Deanna L. Harding	Reported: 23-Jan-01 11:53
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**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT**  
**Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-3 (W012634-04) Water</b> Sampled: 22-Dec-00 11:19 Received: 27-Dec-00 15:33 <span style="float:right">P-01</span>									
Purgeable Hydrocarbons	370	50	ug/l	1	1A10014	05-Jan-01	05-Jan-01	EPA 8015M/8020	
Benzene	96	0.50	"	"	"	"	"	"	CC-3
Toluene	48	0.50	"	"	"	"	"	"	
Ethylbenzene	18	0.50	"	"	"	"	"	"	
Xylenes (total)	58	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	180	2.5	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		92.7 %	70-130	"	"	"	"	"	
<b>MW-4 (W012634-05) Water</b> Sampled: 22-Dec-00 11:41 Received: 27-Dec-00 15:33 <span style="float:right">P-01</span>									
Purgeable Hydrocarbons	240	50	ug/l	1	1A10014	05-Jan-01	05-Jan-01	EPA 8015M/8020	
Benzene	2.2	0.50	"	"	"	"	"	"	CC-3
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	1.3	0.50	"	"	"	"	"	"	
Xylenes (total)	25	0.50	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		96.7 %	70-130	"	"	"	"	"	
<b>MW-4 (W012634-05RE1) Water</b> Sampled: 22-Dec-00 11:41 Received: 27-Dec-00 15:33 <span style="float:right">P-01</span>									
Methyl tert-butyl ether	2200	50	ug/l	20	1A10014	05-Jan-01	05-Jan-01	EPA 8015M/8020	CC-3
<i>Surrogate: a,a,a-Trifluorotoluene</i>		102 %	70-130	"	"	"	"	"	
<b>MW-5 (W012634-06) Water</b> Sampled: 22-Dec-00 10:56 Received: 27-Dec-00 15:33 <span style="float:right">P-01</span>									
Purgeable Hydrocarbons	ND	50	ug/l	1	1A10014	05-Jan-01	05-Jan-01	EPA 8015M/8020	
Benzene	ND	0.50	"	"	"	"	"	"	CC-3
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	9.1	2.5	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		98.0 %	70-130	"	"	"	"	"	





Gettler Ryan, Inc. - Dublin  
6747 Sierra Court Suite J  
Dublin CA, 94568

Project: Chevron  
Project Number: Chevron # 9-4800  
Project Manager: Deanna L. Harding

Reported:  
23-Jan-01 11:53

**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT  
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-6 (W012634-07) Water Sampled: 22-Dec-00 10:22 Received: 27-Dec-00 15:33									
Purgeable Hydrocarbons	ND	50	ug/l	1	1A10014	05-Jan-01	05-Jan-01	EPA 8015M/8020	
Benzene	ND	0.50	"	"	"	"	"	"	CC-3
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	4.5	2.5	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		95.7 %		70-130	"	"	"	"	





Gettler Ryan, Inc. - Dublin  
6747 Sierra Court Suite J  
Dublin CA, 94568

Project: Chevron  
Project Number: Chevron # 9-4800  
Project Manager: Deanna L. Harding

Reported:  
23-Jan-01 11:53

**Diesel Hydrocarbons (C9-C24) by DHS LUFT**  
**Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-1 (W012634-02) Water</b> Sampled: 22-Dec-00 12:04    Received: 27-Dec-00 15:33									
Diesel Range Hydrocarbons	200	50	ug/l	1	1A05008	05-Jan-01	08-Jan-01	EPA 8015M	D-02
Surrogate: n-Pentacosane		106 %	50-150		"	"	"	"	
<b>MW-2 (W012634-03) Water</b> Sampled: 22-Dec-00 12:26    Received: 27-Dec-00 15:33									
Diesel Range Hydrocarbons	870	50	ug/l	1	1A05008	05-Jan-01	08-Jan-01	EPA 8015M	D-02
Surrogate: n-Pentacosane		106 %	50-150		"	"	"	"	
<b>MW-3 (W012634-04) Water</b> Sampled: 22-Dec-00 11:19    Received: 27-Dec-00 15:33									
Diesel Range Hydrocarbons	110	50	ug/l	1	1A05008	05-Jan-01	08-Jan-01	EPA 8015M	D-02
Surrogate: n-Pentacosane		192 %	50-150		"	"	"	"	S-04
<b>MW-4 (W012634-05) Water</b> Sampled: 22-Dec-00 11:41    Received: 27-Dec-00 15:33									
Diesel Range Hydrocarbons	740	50	ug/l	1	1A05008	05-Jan-01	08-Jan-01	EPA 8015M	D-02
Surrogate: n-Pentacosane		141 %	50-150		"	"	"	"	
<b>MW-5 (W012634-06) Water</b> Sampled: 22-Dec-00 10:56    Received: 27-Dec-00 15:33									
Diesel Range Hydrocarbons	250	50	ug/l	1	1A05008	05-Jan-01	08-Jan-01	EPA 8015M	D-12
Surrogate: n-Pentacosane		225 %	50-150		"	"	"	"	S-04
<b>MW-6 (W012634-07) Water</b> Sampled: 22-Dec-00 10:22    Received: 27-Dec-00 15:33									
Diesel Range Hydrocarbons	100	50	ug/l	1	1A05008	05-Jan-01	08-Jan-01	EPA 8015M	D-12
Surrogate: n-Pentacosane		143 %	50-150		"	"	"	"	





Gettler Ryan, Inc. - Dublin  
6747 Sierra Court Suite J  
Dublin CA, 94568

Project: Chevron  
Project Number: Chevron # 9-4800  
Project Manager: Deanna L. Harding

Reported:  
23-Jan-01 11:53

**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT - Quality Control**  
**Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 1A10014 - EPA 5030B [P/T]</b>										
<b>Blank (1A10014-BLK1)</b> Prepared & Analyzed: 05-Jan-01										
Purgeable Hydrocarbons	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							
<i>Surrogate: a,a,a-Trifluorotoluene</i>	30.8		"	30.0		103	70-130			
<b>LCS (1A10014-BS1)</b> Prepared & Analyzed: 05-Jan-01										
Benzene	16.7	0.50	ug/l	20.0		83.5	70-130			
Toluene	17.5	0.50	"	20.0		87.5	70-130			
Ethylbenzene	18.6	0.50	"	20.0		93.0	70-130			
Xylenes (total)	56.1	0.50	"	60.0		93.5	70-130			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	28.6		"	30.0		95.3	70-130			
<b>Matrix Spike (1A10014-MS1)</b> Source: W012611-03 Prepared & Analyzed: 05-Jan-01										
Benzene	17.6	0.50	ug/l	20.0	ND	88.0	70-130			
Toluene	18.1	0.50	"	20.0	ND	90.5	70-130			
Ethylbenzene	19.2	0.50	"	20.0	ND	96.0	70-130			
Xylenes (total)	58.3	0.50	"	60.0	ND	97.2	70-130			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	31.6		"	30.0		105	70-130			
<b>Matrix Spike Dup (1A10014-MSD1)</b> Source: W012611-03 Prepared & Analyzed: 05-Jan-01										
Benzene	17.5	0.50	ug/l	20.0	ND	87.5	70-130	0.570	20	
Toluene	18.5	0.50	"	20.0	ND	92.5	70-130	2.19	20	
Ethylbenzene	19.3	0.50	"	20.0	ND	96.5	70-130	0.519	20	
Xylenes (total)	58.0	0.50	"	60.0	ND	96.7	70-130	0.516	20	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	31.8		"	30.0		106	70-130			







# Sequoia Analytical

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6747 Sierra Court Suite J  
Dublin CA, 94568

Project: Chevron  
Project Number: Chevron # 9-4800  
Project Manager: Deanna L. Harding

Reported:  
23-Jan-01 11:53

## Diesel Hydrocarbons (C9-C24) by DHS LUFT - Quality Control Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 1A05008 - EPA 3510B</b>										
<b>Blank (1A05008-BLK1)</b>										
Prepared: 05-Jan-01 Analyzed: 08-Jan-01										
Diesel Range Hydrocarbons	ND	50	ug/l							
Surrogate: n-Pentacosane	34.3		"	33.3		103	50-150			
<b>LCS (1A05008-BS1)</b>										
Prepared: 05-Jan-01 Analyzed: 08-Jan-01										
Diesel Range Hydrocarbons	414	50	ug/l	500		82.8	60-140			
Surrogate: n-Pentacosane	37.3		"	33.3		112	50-150			
<b>LCS Dup (1A05008-BSD1)</b>										
Prepared: 05-Jan-01 Analyzed: 08-Jan-01										
Diesel Range Hydrocarbons	403	50	ug/l	500		80.6	60-140	2.69	50	
Surrogate: n-Pentacosane	38.7		"	33.3		116	50-150			





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### Notes and Definitions

- CC-3 Continuing Calibration indicates that the quantitative result for this analyte includes a greater than 15% degree of uncertainty. The value as reported is within method acceptance.
- D-02 Chromatogram Pattern: Unidentified Hydrocarbons C9-C40.
- D-12 Chromatogram Pattern: Unidentified Hydrocarbons > C16
- I-02 This sample was analyzed outside of the EPA recommended holding time.
- P-01 Chromatogram Pattern: Gasoline C6-C12
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

