




GETTLER-RYAN INC.

TRANSMITTAL

September 14, 2000

G-R #386383

TO: 
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	September 12, 2000	Groundwater Monitoring and Sampling Report Second Quarter Event of June 10, 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 **September 26, 2000**, at which time the final report will be distributed to the following:

Mr. Greg Gurss, Gettler-Ryan Inc., 3164 Gold Camp Drive, Suite 240, Rancho Cordova, CA 95670

Enclosures

trans/9-4800.tb



GETTLER-RYAN INC.

September 12, 2000
G-R Job #386383

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

RE: Second Quarter Event of June 10, 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
Project Coordinator

Barbara Sieminski
Project Geologist, R.G. No. 6676

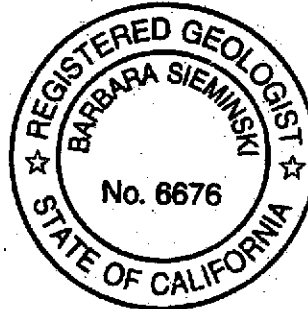
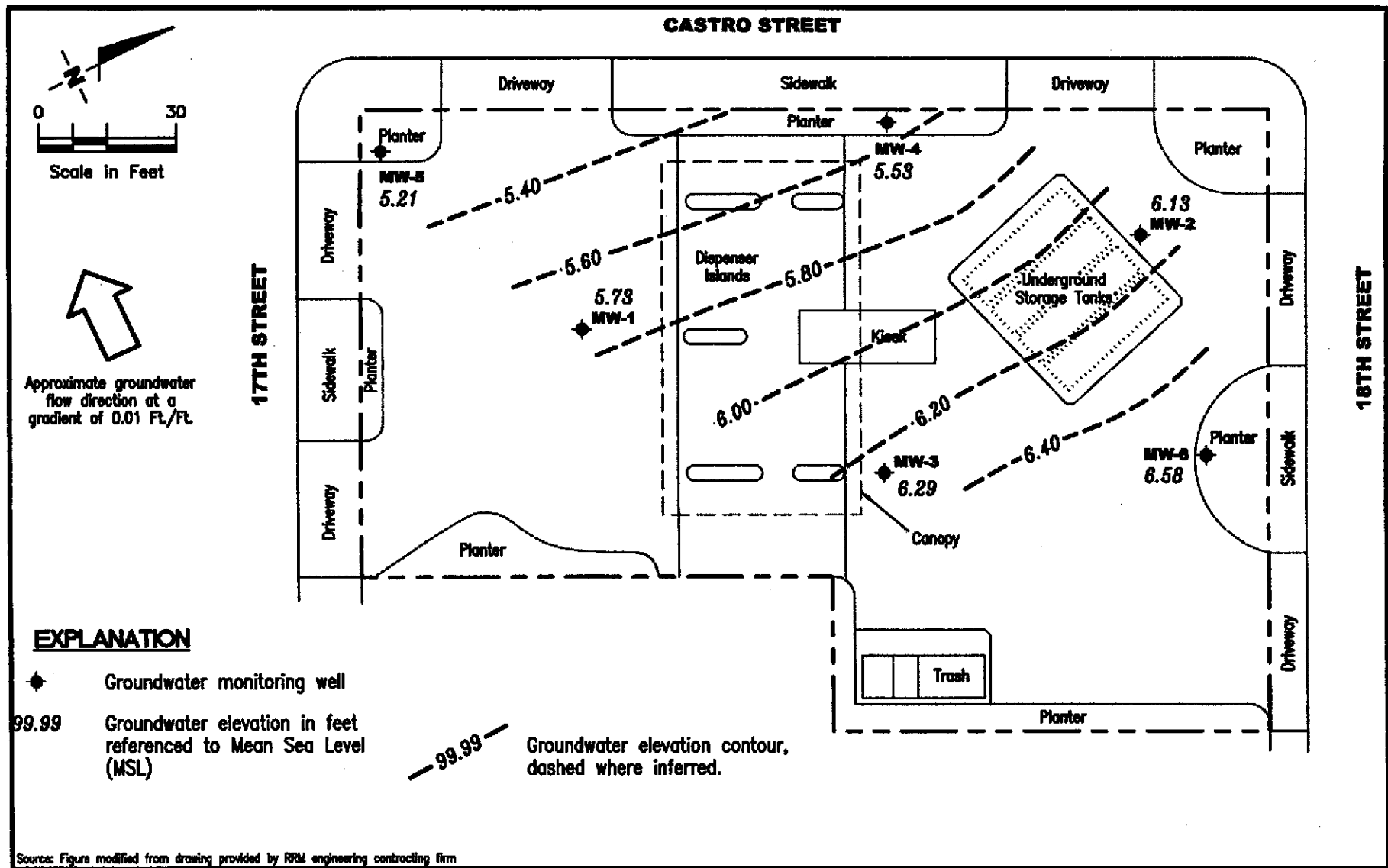


Figure 1: Potentiometric Map
Table 1: Groundwater Monitoring Data and Analytical Results
Table 2: Groundwater Analytical Results - Oxygenate Compounds
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports



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
June 10, 2000

REVISED DATE

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

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Diesel	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylenes	MTBE
MW-1											
06/04/97	30.75	4.39	25.82	--	71*	890	100	110	29	150	<10
09/16/97	30.75	4.85	25.90	--	75*	1600	210	210	60	250	<10
12/17/97	30.75	4.88	25.87	--	65*	940	120	100	41	160	<25
03/18/98	30.75	5.90	24.85	--	77*	530	91	39	22	65	6.8
06/28/98	30.75	5.92	24.83	--	140*	1100	220	140	37	120	14
09/07/98	30.75	5.56	25.19	--	280*	1700	530	86	84	240	49
12/09/98	30.75	5.10	25.65	--	240*	1700	240	130	100	270	32
03/11/99	30.75	5.30	25.45	--	98*	353	53.9	28.6	20.5	56.1	14.1
06/17/99	30.75	5.39	25.36	--	217*	810	270	150	95	340	15
09/29/99	30.75	5.13	25.62	--	153*	659	76	49.7	35.1	118	12.6
12/14/99	30.75	5.07	25.68	--	188*/**	2760	287	199	139	502	<12.5
03/09/00	30.75	5.54	25.21	***	166*	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
MW-2											
06/04/97	30.00	5.13	24.87	--	4000*	13,000	790	30	420	1700	4000
09/16/97	30.00	5.06	24.94	--	2200*	4000	360	9.7	210	460	1500
12/17/97	30.00	5.18	24.82	--	2100*	4100	380	<10	200	460	2100
03/18/98	30.00	6.43	23.57	--	3700*	8400	1800	<50	350	630	13,000
06/28/98	30.00	6.21	23.79	EPA 8260	4400*	9300	740	340	710	2300	3800
09/07/98	30.00	5.78	24.22	--	3100*	9900	1000	150	640	1800	4500
09/07/98	30.00	5.78	24.22	Confirmation run	--	--	--	--	--	--	4100
12/09/98	30.00	5.31	24.69	--	1900*	8500	860	74	610	960	2600
12/09/98	30.00	5.31	24.69	Confirmation run	--	--	--	--	--	--	2600
03/11/99	30.00	5.79	24.21	--	2700*	12,500	1520	42.2	645	2250	3400
03/11/99	30.00	5.79	24.21	Confirmation run	--	--	--	--	--	--	5050
06/17/99	30.00	5.69	24.31	--	7150*	27,000	2200	260	1500	5900	4700

* Chromatogram pattern indicates an unidentified hydrocarbon.

** Sample was extracted outside EPA recommended holding time.

*** TPH-Gasoline, Benzene, Toluene, Ethyl Benzene Xylene & MTBE was analyzed outside EPA recommended holding time.

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

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Diesel	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylenes	MTBE
MW-2 (cont)											
09/29/99	30.00	5.45	24.55	--	3030*	6910	582	11.1	491	1170	1970
12/14/99	30.00	5.39	24.61	--	615**	4230	282	12.3	284	690	631
03/09/00	30.00	6.08	23.92	***	3300*	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

* Chromatogram pattern indicates an unidentified hydrocarbon.

** Sample was extracted outside EPA recommended holding time.

*** TPH-Gasoline, Benzene, Toluene, Ethyl Benzene Xylene & MTBE was analyzed outside EPA recommended holding time.

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*	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*	530	190	110	24	88	210
09/29/99	31.32	5.61	25.71	--	232*	433	97.8	61.4	16.9	56.6	156
12/14/99	31.32	5.55	25.77	--	<50***	8650	1040	795	212	800	995
03/09/00	31.32	6.14	25.18	****	74.6*	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

* Chromatogram pattern indicates an unidentified hydrocarbon.

*** Sample was extracted outside EPA recommended holding time.

**** TPH-Gasoline, Benzene, Toluene, Ethyl Benzene, Xylene and MTBE was analyzed outside EPA recommended holding time.

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

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Diesel	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylenes	MTBE
MW-4											
04/08/99	30.13	--	--	**	--	130	3.1	<0.5	<0.5	7.7	4700
06/17/99	30.13	5.19	24.94	--	3780*	590	58	<5.0	<5.0	160	6200
09/29/99	30.13	4.96	25.17	--	1130*	692	10.7	<2.5	5.51	236	7840
12/14/99	30.13	4.91	25.22	--	571*/***	625	<10	3.83	<10	94.6	4470
03/09/00	30.13	5.45	24.68	****	600*	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
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*	<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***	<50	<0.5	<0.5	<0.5	<0.5	0.598
03/09/00	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

* Chromatogram pattern indicates an unidentified hydrocarbon.

** See Table of Additional Analyses.

*** Sample was extracted outside EPA recommended holding time.

**** TPH-Gasoline, Benzene, Toluene, Ethyl Benzene, Xylene and MTBE was analyzed outside EPA recommended holding time.

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

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Diesel	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylenes	MTBE
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***	<50	<0.5	<0.5	<0.5	<0.5	4.13
03/09/00	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
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
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	--	--	--	****	--	<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

*** Sample was extracted outside EPA recommended holding time.

**** TPH-Gasoline, Benzene, Toluene, Ethyl Benzene, Xylene and MTBE was analyzed outside EPA recommended holding time.

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.

TPH = Total Petroleum Hydrocarbons

MTBE = Methyl tertiary butyl ether

- = Not Measured/Not Analyzed

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

Analytical values are in parts per billion (ppb)

DATE	ETHANOL	TBA	MTBE	DIPE	ETBE	TAME
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

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 Job#: 38638.3
 Address: 1700 Castro St. Date: 0-10-00
 City: Oakland, CA Sampler: FRANK T.

Well ID MW-1 Well Condition: OK
 Well Diameter 2 in. Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)
 Total Depth 29.88 ft. Volume 2" = 0.17 3" = 0.38 4" = 0.66
 Depth to Water 25.02 ft. Factor (VF) 6" = 1.50 12" = 5.80

4.86 x VF .17 = .82 x 3 (case volume) = Estimated Purge Volume: 2.47 (gal.)

Purge Equipment: (Disposable Bailer) Bailer Stack Suction Grundfos Other: _____
 Sampling Equipment: (Disposable Bailer) Bailer Pressure Bailer Grab Sample Other: _____

Starting Time: 1:17 Weather Conditions: SUNNY
 Sampling Time: 1:34 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 $\mu\text{hos/cm} \times 100$	Temperature $^{\circ}\text{F}$	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1:20</u>	<u>1.0</u>	<u>5.15</u>	<u>8.68</u>	<u>70.0</u>			
<u>1:23</u>	<u>2.0</u>	<u>4.90</u>	<u>8.48</u>	<u>69.3</u>			
<u>1:26</u>	<u>2.5</u>	<u>4.87</u>	<u>8.45</u>	<u>68.7</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
					TPH(G)/btax/mtbe
<u>MW-1</u>	<u>2 - VOAVIAL</u>	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>	

COMMENTS: _____

**WELL MONITORING/SAMPLING
FIELD DATA SHEET**

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

Job#: 386383
 Date: 6-10-00
 Sampler: FRANK T.

Well ID: MW-2
 Well Diameter: 2 in.
 Total Depth: 29.69 ft.
 Depth to Water: 23.87 ft.

Well Condition: OK!
 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

5.82 x VF .17 = .98 x 3 (case volume) = Estimated Purge Volume: 2.96 (gal.)

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

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

Starting Time: 1:50
 Sampling Time: 2:14
 Purging Flow Rate: — gpm.
 Did well de-water? NO

Weather Conditions: SUNNY
 Water Color: chocolate gray Odor: YES
A SHED
 Sediment Description: _____
 If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity (µmhos/cm) x100	Temperature (°F)	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>2:00</u>	<u>1.0</u>	<u>7.10</u>	<u>7.46</u>	<u>73.1</u>	_____	_____	_____
<u>2:03</u>	<u>2.0</u>	<u>6.84</u>	<u>7.12</u>	<u>69.8</u>	_____	_____	_____
<u>2:06</u>	<u>3.0</u>	<u>6.79</u>	<u>7.49</u>	<u>69.1</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY		ANALYSES
				SEQUOIA		TPH(G)/btox/mtbe
<u>MW-2</u>	<u>2 - VOAVIAL</u>	<u>Y</u>	<u>HCL</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

COMMENTS: _____

**WELL MONITORING/SAMPLING
FIELD DATA SHEET**

Client/ Facility # Chevron 9-4800 Job#: 386383
 Address: 1700 Castro St. Date: 6-10-00
 City: Oakland, CA Sampler: FRANK T.

Well ID MW-3 Well Condition: OK
 Well Diameter 2 in. Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)
 Total Depth 29.44 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.98	4" = 0.66
	6" = 1.50	12" = 5.80	

 Depth to Water 25.03 ft.

4.41 x VF .17 = .74 x 3 (case volume) = Estimated Purge Volume: 2.24 (gal.)

Purge Equipment: (Disposable Bailer) Bailer Stack Suction Grundfos Other: _____
 Sampling Equipment: (Disposable Bailer) Bailer Pressure Bailer Grab Sample Other: _____

Starting Time: 12:48 Weather Conditions: SUNNY
 Sampling Time: 1:05 Water Color: CLEAR Odor: YES
 Purging Flow Rate: — ccm. 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>12:58</u>	<u>.50</u>	<u>5.21</u>	<u>7.94</u>	<u>70.8</u>			
<u>12:54</u>	<u>1.0</u>	<u>5.10</u>	<u>7.92</u>	<u>69.3</u>			
<u>12:58</u>	<u>2.0</u>	<u>5.14</u>	<u>8.14</u>	<u>69.5</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY		ANALYSES
				SEQUOIA		TPH(G)/bTEX/mtbe
<u>MW-3</u>	<u>2 - VOAVIAL</u>	<u>Y</u>	<u>HCL</u>			

COMMENTS: _____

**WELL MONITORING/SAMPLING
FIELD DATA SHEET**

Client/ Facility # Chevron 9-4800 Job#: 386383
 Address: 1700 Castro St. Date: 6-10-00
 City: Oakland, CA Sampler: FRANKT.

Well ID MW-4 Well Condition: OK
 Well Diameter 2 in. Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)
 Total Depth 28.34 ft. Volume 2" = 0.17 3" = 0.38 4" = 0.66
 Depth to Water 24.60 ft. Factor (VF) 6" = 1.50 12" = 5.80

3.74 x VF .17 = .63 x 3 (case volume) = Estimated Purge Volume: 1.90 (gal.)

Purge Equipment: (Disposable Bailer)
 Bailer
 Stack
 Suction
 Grundfos
 Other: _____
 Sampling Equipment: (Disposable Bailer)
 Bailer
 Pressure Bailer
 Grab Sample
 Other: _____

Starting Time: 12:20 Weather Conditions: SUNNY
 Sampling Time: 12:37 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 °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>12:23</u>	<u>.50</u>	<u>5.47</u>	<u>6.07</u>	<u>72.0</u>	_____	_____	_____
<u>12:25</u>	<u>1.0</u>	<u>5.19</u>	<u>6.08</u>	<u>70.6</u>	_____	_____	_____
<u>12:29</u>	<u>2.0</u>	<u>4.91</u>	<u>6.02</u>	<u>70.9</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY		ANALYSES
				SEQUOIA	TPHIG/btex/mtbe	
<u>MW-4</u>	<u>2 - VOAVIAL</u>	<u>Y</u>	<u>HCL</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

COMMENTS: _____

**WELL MONITORING/SAMPLING
FIELD DATA SHEET**

Client/ Facility# Chevron 9-4800 Job#: 386383
 Address: 1700 Castro St. Date: 6-10-00
 City: Oakland, CA Sampler: FRANK T.

Well ID MW-5 Well Condition: OK
 Well Diameter: 2 in. Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)
 Total Depth: 27.98 ft. Volume 2" = 0.17 3" = 0.38 4" = 0.66
 Depth to Water: 25.72 ft. Factor (VF) 6" = 1.50 12" = 5.80

2.26 x VF .17 = .38 x 3 (case volume) = Estimated Purge Volume: 1.15 (gal.)

Purge Equipment: (Disposable Bailer) Bailer Stack Suction Grundfos Other: _____
 Sampling Equipment: (Disposable Bailer) Bailer Pressure Bailer Grab Sample Other: _____

Starting Time: 11:17 Weather Conditions: SUNNY
 Sampling Time: 11:34 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 (µmhos/cm x100)	Temperature (°F)	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>11:20</u>	<u>1.5</u>	<u>5.87</u>	<u>16.70</u>	<u>75.7</u>			
<u>11:23</u>	<u>1.0</u>	<u>5.68</u>	<u>8.76</u>	<u>72.9</u>			
<u>11:24</u>	<u>1.5</u>	<u>5.73</u>	<u>8.65</u>	<u>72.1</u>			

LABORATORY INFORMATION

SAMPLE ID	# - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY		ANALYSES
				SEQUOIA		TPH(G)/btex/mtbe
<u>MW-5</u>	<u>2 - VOAVIAL</u>	<u>Y</u>	<u>HCL</u>			

COMMENTS: _____

**WELL MONITORING/SAMPLING
FIELD DATA SHEET**

Client/ Facility # Chevron 9-4800 Job#: 386383
 Address: 1700 Castro St. Date: 6-10-00
 City: Oakland, CA Sampler: FRANK T.

Well ID MW-6 Well Condition: OK
 Well Diameter 2 in. Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)
 Total Depth 28.14 ft. Volume 2" = 0.17 3" = 0.38 4" = 0.66
 Depth to Water 24.00 ft. Factor (VF) 6" = 1.50 12" = 5.80

4.14 x VF .17 = .70 x 3 (case volume) = Estimated Purge Volume: 2.11 (gal.)

Purge Equipment: (Disposable Bailer) Bailer Stack Suction Grundfos Other: _____
 Sampling Equipment: (Disposable Bailer) Bailer Pressure Bailer Grab Sample Other: _____

Starting Time: 11:45 Weather Conditions: SUNNY
 Sampling Time: 12:02 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)
11:48	.50	5.39	4.80	71.4			
11:50	1.0	5.39	4.72	68.8			
11:54	2.0	5.55	4.77	68.4			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
				SEQUOIA	TPH(GI)/btex/mtbe
MW-6	2 - VOAVIAL	Y	HCL		

COMMENTS: A NEW MASTER LOCK FOR MW-6

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

Chain-of-Custody-Record

Chevron Products Co.
P.O. BOX 8004
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 PETALUMA
Laboratory Service Order _____
Laboratory Service Code _____
Sample Collected by (Name) FRANK TERRINONI
Signature [Signature]

State Method: CA OR WA NW Series CO UT IDAHO

Sample Number	Number of Containers	Matrix A = Air S = Soil W = Water C = Churned	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/MTBC/TPH GAS (8020 + 8015)	BTX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Organics (8150)	Petroleum Hydrocarbons (8010)	Phenolics Organics (8150)	Extractable Organics (8270)	Oil and Grease (8050)	Mercury (COP or M) Cd, Cr, Pb, Zn, Ni	BTX (8020)	BTX/MTBC/Naph. (8020)	TPH - HCD	TPH-D Extended		Lab Sample No.							
TB-LB	1	W	HCL	6-10-00	X																					
MW-1	2			13:34	✓																					
MW-2	2			14:14	✓																					
MW-3	2			13:05	✓																					
MW-4	2			12:37	✓																					
MW-5	2			11:34	✓																					
MW-6	2	↓	↓	12:02	✓																					

Relinquished By (Signature) <u>[Signature]</u>	Organization G-R INC.	Date/Time 6-12-00 12:51	Received By (Signature) <u>[Signature]</u>	Organization Sequoia	Date/Time 6/12/00 19:56	Lead Y/N <input checked="" type="checkbox"/>	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 5 Days 10 Days <u>As Contracted</u>
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Lead Y/N	
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time	Lead Y/N	



Sequoia Analytical

1455 McDowell Blvd. North, Ste. D
Petaluma, CA 94954
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June 23, 2000

Deanna Harding
Gettler-Ryan - Dublin
6747 Sierra Ct, Suite J
Dublin, CA 94568

RE: Chevron/P006326

Dear Deanna Harding

Enclosed are the results of analyses for sample(s) received by the laboratory on June 12, 2000. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Richard Stover
Project Manager

CA ELAP Certificate Number 2374





Gettler-Ryan - Dublin
6747 Sierra Ct, Suite J
Dublin, CA 94568

Project: Chevron
Project Number: 1700 Castro St, Oakland
Project Manager: Deanna Harding

Sampled: 6/10/00
Received: 6/12/00
Reported: 6/23/00

ANALYTICAL REPORT FOR P006326

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
TB-LB	P006326-01	Water	6/10/00
MW-1	P006326-02	Water	6/10/00
MW-2	P006326-03	Water	6/10/00
MW-3	P006326-04	Water	6/10/00
MW-4	P006326-05	Water	6/10/00
MW-5	P006326-06	Water	6/10/00
MW-6	P006326-07	Water	6/10/00





Gettler-Ryan - Dublin 6747 Sierra Ct, Suite J Dublin, CA 94568	Project: Chevron Project Number: 1700 Castro St, Oakland Project Manager: Deanna Harding	Sampled: 6/10/00 Received: 6/12/00 Reported: 6/23/00
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**Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M
Sequoia Analytical - Petaluma**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
				<u>P006326-01</u>			<u>Water</u>	
Gasoline	0060406	6/19/00	6/19/00		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		2.50	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	65.0-135		99.0	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		91.3	"	
				<u>P006326-02</u>			<u>Water</u>	
Gasoline	0060406	6/19/00	6/19/00		100	1460	ug/l	
Benzene	"	"	"		1.00	242	"	
Toluene	"	"	"		1.00	47.8	"	
Ethylbenzene	"	"	"		1.00	83.8	"	
Xylenes (total)	"	"	"		1.00	151	"	
Methyl tert-butyl ether	"	"	"		5.00	97.3	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	65.0-135		96.3	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		94.7	"	
				<u>P006326-03</u>			<u>Water</u>	
Gasoline	0060406	6/19/00	6/19/00		500	7360	ug/l	
Benzene	"	"	"		5.00	560	"	
Toluene	"	"	"		5.00	40.7	"	
Ethylbenzene	"	"	"		5.00	627	"	
Xylenes (total)	"	"	"		5.00	1280	"	
Methyl tert-butyl ether	"	"	"		25.0	1260	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	65.0-135		96.3	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		94.7	"	
				<u>P006326-04</u>			<u>Water</u>	
Gasoline	0060406	6/19/00	6/19/00		100	359	ug/l	
Benzene	"	"	"		1.00	63.8	"	
Toluene	"	"	"		1.00	27.8	"	
Ethylbenzene	"	"	"		1.00	10.5	"	
Xylenes (total)	"	"	"		1.00	35.4	"	
Methyl tert-butyl ether	"	"	"		5.00	393	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	65.0-135		98.3	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		94.3	"	
				<u>P006326-05</u>			<u>Water</u>	
Gasoline	0060406	6/19/00	6/19/00		1000	ND	ug/l	

Sequoia Analytical - Petaluma

*Refer to end of report for text of notes and definitions.





Gettler-Ryan - Dublin 6747 Sierra Ct, Suite J Dublin, CA 94568	Project: Chevron Project Number: 1700 Castro St, Oakland Project Manager: Deanna Harding	Sampled: 6/10/00 Received: 6/12/00 Reported: 6/23/00
--	--	--

**Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M
Sequoia Analytical - Petaluma**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-4 (continued)				P006326-05			Water	
Benzene	0060406	6/19/00	6/19/00		10.0	13.2	ug/l	
Toluene	"	"	"		10.0	ND	"	
Ethylbenzene	"	"	"		10.0	ND	"	
Xylenes (total)	"	"	"		10.0	97.8	"	
Methyl tert-butyl ether	"	"	"		50.0	3080	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	"	"	"	65.0-135		97.7	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		89.7	"	
MW-5				P006326-06			Water	
Gasoline	0060406	6/19/00	6/19/00		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		2.50	ND	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	"	"	"	65.0-135		102	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		76.7	"	
MW-6				P006326-07			Water	
Gasoline	0060406	6/19/00	6/19/00		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		2.50	ND	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	"	"	"	65.0-135		95.7	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		90.0	"	





Sequoia Analytical

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Gettler-Ryan - Dublin
 6747 Sierra Ct, Suite J
 Dublin, CA 94568

Project: Chevron
 Project Number: 1700 Castro St, Oakland
 Project Manager: Deanna Harding

Sampled: 6/10/00
 Received: 6/12/00
 Reported: 6/23/00

Total Petroleum Hydrocarbons as Gasoline and PTEX by EPA 8015M/8020M/Quality Control
 Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0060406		Date Prepared: 6/19/00			Extraction Method: EPA 5030 waters					
Blank		0060406-BLK1								
Gasoline	6/19/00			ND	ug/l	50.0				
Benzene	"			ND	"	0.500				
Toluene	"			ND	"	0.500				
Ethylbenzene	"			ND	"	0.500				
Xylenes (total)	"			ND	"	0.500				
Methyl tert-butyl ether	"			ND	"	2.50				
Surrogate: a,a,a-Trifluorotoluene	"	300		291	"	65.0-135	97.0			
Surrogate: 4-Bromofluorobenzene	"	300		271	"	65.0-135	90.3			
LCS		0060406-BS1								
Benzene	6/19/00	100		93.7	ug/l	65.0-135	93.7			
Toluene	"	100		90.6	"	65.0-135	90.6			
Ethylbenzene	"	100		88.3	"	65.0-135	88.3			
Xylenes (total)	"	300		291	"	65.0-135	97.0			
Methyl tert-butyl ether	"	100		94.6	"	65.0-135	94.6			
Surrogate: a,a,a-Trifluorotoluene	"	300		297	"	65.0-135	99.0			
Matrix Spike		0060406-MS1		P006326-06						
Benzene	6/19/00	100	ND	94.1	ug/l	65.0-135	94.1			
Toluene	"	100	ND	91.1	"	65.0-135	91.1			
Ethylbenzene	"	100	ND	88.4	"	65.0-135	88.4			
Xylenes (total)	"	300	ND	293	"	65.0-135	97.7			
Methyl tert-butyl ether	"	100	ND	93.1	"	65.0-135	93.1			
Surrogate: a,a,a-Trifluorotoluene	"	300		290	"	65.0-135	96.7			
Matrix Spike Dup		0060406-MSD1		P006326-06						
Benzene	6/19/00	100	ND	94.0	ug/l	65.0-135	94.0	20.0	0.106	
Toluene	"	100	ND	91.0	"	65.0-135	91.0	20.0	0.110	
Ethylbenzene	"	100	ND	88.5	"	65.0-135	88.5	20.0	0.113	
Xylenes (total)	"	300	ND	293	"	65.0-135	97.7	20.0	0	
Methyl tert-butyl ether	"	100	ND	95.8	"	65.0-135	95.8	20.0	2.86	
Surrogate: a,a,a-Trifluorotoluene	"	300		291	"	65.0-135	97.0			





Gettler-Ryan - Dublin
6747 Sierra Ct, Suite J
Dublin, CA 94568

Project: Chevron
Project Number: 1700 Castro St, Oakland
Project Manager: Deanna Harding

Sampled: 6/10/00
Received: 6/12/00
Reported: 6/23/00

Notes and Definitions

#	Note
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DET	Analyte DETECTED
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ND	Analyte NOT DETECTED at or above the reporting limit
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NR	Not Reported
----	--------------

dry	Sample results reported on a dry weight basis
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Recov.	Recovery
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RPD	Relative Percent Difference
-----	-----------------------------

