



GETTLER-RYAN INC.

TRANSMITTAL

TO: Mr. Thomas Bauhs
 Chevron Products Company
 P.O. Box 6004
 San Ramon, California 94583

DATE: May 29, 2001
 PROJ. #: 346383.06-1
 SUBJECT: Chevron Station #9-4800
 1700 Castro Street
 Oakland, California

FROM:
 Tony P. Mikacich
 Project Geologist
 Gettler-Ryan Inc.
 3140 Gold Camp Drive, Suite 170 -
 Rancho Cordova, California 95670

~~JUN 4 0 2001~~
 JUN 0 4 2001

WE ARE SENDING YOU:

COPIES	DATED	DESCRIPTION
1	May 31, 2001	Monitoring Well Installation Report, Chevron Station #9-4800

THESE ARE TRANSMITTED as checked below:

- For review and comment
 Approved as submitted
 Resubmit __ copies for approval
 As requested
 Approved as noted
 Submit __ copies for distribution
 For approval
 Return for corrections
 Return __ corrected prints
 For your files

COMMENTS:

Copies of the above referenced report will be distributed to the following:

Ms. Eva Chu, Alameda County Health Care Services, Dept. of Environmental Health, 1153 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577

If you have any questions please call us in Rancho Cordova at 916.631.1300.



GETTLER-RYAN Inc.

TRANSMITTAL

April 18, 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	April 12, 2001	Groundwater Monitoring and Sampling Report First Quarter - Event of March 1, 2001

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 **May 2, 2001**, at which time the final report will be distributed to the following:

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

Enclosures

trans/9-4800-TB



GETTLER-RYAN INC.

April 12, 2001
G-R Job #386383

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

RE: First Quarter Event of March 1, 2001
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.

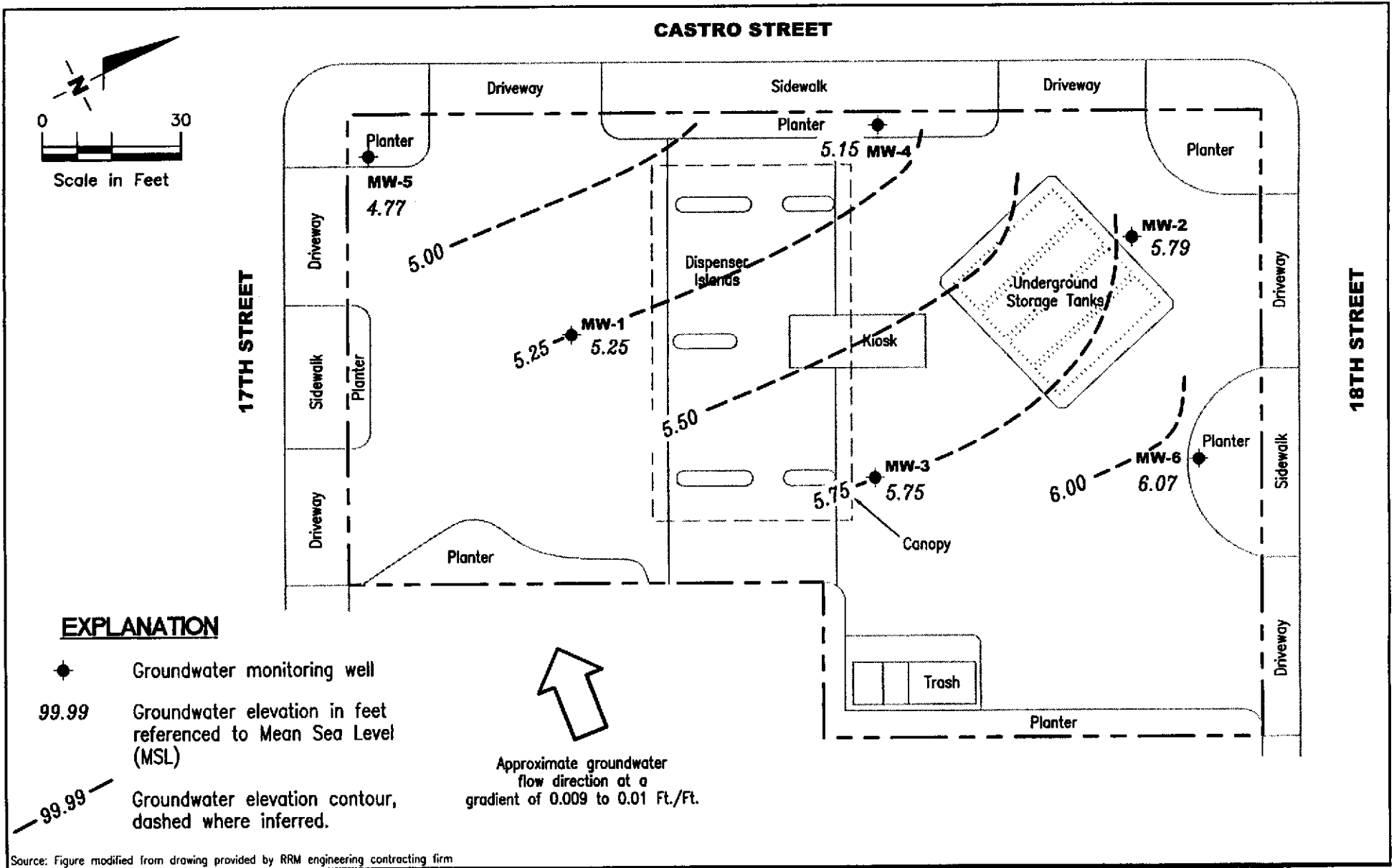
Sincerely,

Deanna L. Harding
Project Coordinator

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

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	1600	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	1100	220	140	37	120	14
09/07/98	30.75	5.56	25.19	280 ¹	1700	530	86	84	240	49
12/09/98	30.75	5.10	25.65	240 ¹	1700	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}	2760	287	199	139	502	<12.5
03/09/00 ³	30.75	5.54	25.21	166 ¹	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 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	211⁷	1,500⁶	210	67.9	109	320	87.3
MW-2										
06/04/97	30.00	5.13	24.87	4,000 ¹	13,000	790	30	420	1700	4000
09/16/97	30.00	5.06	24.94	2,200 ¹	4000	360	9.7	210	460	1500
12/17/97	30.00	5.18	24.82	2,100 ¹	4100	380	<10	200	460	2100
03/18/98	30.00	6.43	23.57	3,700 ¹	8400	1800	<50	350	630	13,000
06/28/98 ⁴	30.00	6.21	23.79	4,400 ¹	9300	740	340	710	2300	3800
09/07/98	30.00	5.78	24.22	3,100 ¹	9900	1000	150	640	1800	4500/4100 ⁵
12/09/98	30.00	5.31	24.69	1,900 ¹	8500	860	74	610	960	2600/2600 ⁵
03/11/99	30.00	5.79	24.21	2,700 ¹	12,500	1520	42.2	645	2250	3400/5050 ⁵
06/17/99	30.00	5.69	24.31	7,150 ¹	27,000	2200	260	1500	5900	4700
09/29/99	30.00	5.45	24.55	3,030 ¹	6910	582	11.1	491	1170	1970
12/14/99	30.00	5.39	24.61	615 ^{1,2}	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 (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-2 (cont)										
03/09/00 ³	30.00	6.08	23.92	3,300 ¹	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 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	1,320⁷	2,340⁶	171	<5.00	238	157	864
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	144⁷	912⁶	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-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	3,780 ¹	590	58	<5.0	<5.0	160	6200
09/29/99	30.13	4.96	25.17	1,130 ¹	692	10.7	<2.5	5.51	236	7840
12/14/99	30.13	4.91	25.22	571 ^{1,2}	625	<10	3.83	<10	94.6	4470
03/09/00 ³	30.13	5.45	24.68	600 ¹	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 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
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-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	141⁷	<50.0	<0.500	<0.500	<0.500	<0.500	7.52
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	<5.0
03/11/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
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

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

- ¹ Chromatogram pattern indicates an unidentified hydrocarbon.
- ² Sample was extracted outside EPA recommended holding time.
- ³ TPH-Gasoline, Benzene, Toluene, Ethyl Benzene Xylene & 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.

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 Job#: 386383
 Address: 1700 Castro St. Date: 3-1-01
 City: Oakland, CA Sampler: T.C.

Well ID MW-1 Well Condition: O.K.
 Well Diameter 2 in. Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)
 Total Depth 29.88 ft.
 Depth to Water 25.50 ft.

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

4.38 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: 10:52 Weather Conditions: Cloudy
 Sampling Time: 11:00 Water Color: Clear Odor: _____
 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>10:54</u>	<u>1.0</u>	<u>7.31</u>	<u>626</u>	<u>68.7</u>			
<u>10:56</u>	<u>1.5</u>	<u>7.21</u>	<u>673</u>	<u>68.3</u>			
<u>10:58</u>	<u>2.0</u>	<u>7.19</u>	<u>661</u>	<u>68.5</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-1</u>	<u>3 VOAVIAL</u>	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>TPH(G)/btex/mtbe</u>
<u>MW-1</u>	<u>1 AMBER</u>	<u>Y</u>	<u>_____</u>	<u>" "</u>	<u>TPH-D</u>

COMMENTS: Replace master lock

**WELL MONITORING/SAMPLING
FIELD DATA SHEET**

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

Job#: 386383
 Date: 3-1-01
 Sampler: T.C.

Well ID MW-2
 Well Diameter 2 in.
 Total Depth 29.69 ft.
 Depth to Water 24.21 ft.

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

5.48 x VF .17 = .93 x 3 (case volume) = Estimated Purge Volume: 3.0 (gal.)

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

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

Starting Time: 11:30
 Sampling Time: 11:40
 Purging Flow Rate: _____ gpm.
 Did well de-water? N

Weather Conditions: Cloudy
 Water Color: Clear Odor: 7
 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>11:34</u>	<u>1.0</u>	<u>7.16</u>	<u>710</u>	<u>68.1</u>	_____	_____	_____
<u>11:36</u>	<u>2.0</u>	<u>7.09</u>	<u>698</u>	<u>68.0</u>	_____	_____	_____
<u>11:38</u>	<u>3.0</u>	<u>7.03</u>	<u>687</u>	<u>67.9</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	# - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
					TPH(G)/btex/mtbe
<u>MW-2</u>	<u>3 VOAVIAL</u>	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>	_____
<u>MW-2</u>	<u>1 AMBCE</u>	<u>Y</u>	_____	_____	<u>TPH-D</u>
_____	_____	_____	_____	_____	_____

COMMENTS: Replace master lock

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # Chevron 9-4800 Job #: 386383
 Address: 1700 Castro St. Date: 3-1-01
 City: Oakland, CA Sampler: T.L.

Well ID MW-3 Well Condition: 0.16
 Well Diameter 2 in. Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)
 Total Depth 29.44 ft. Volume 2" = 0.17 3" = 0.38 4" = 0.66
 Depth to Water 25.57 ft. Factor (VF) 6" = 1.50 12" = 5.80

3.87 x VF .17 = .65 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: 11:20 Weather Conditions: Cloudy
 Sampling Time: 11:25 Water Color: Clean Odor: 9
 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>11:21</u>	<u>.50</u>	<u>7.16</u>	<u>698</u>	<u>68.1</u>	_____	_____	_____
<u>11:23</u>	<u>1.0</u>	<u>7.08</u>	<u>681</u>	<u>67.9</u>	_____	_____	_____
<u>11:24</u>	<u>2.0</u>	<u>7.06</u>	<u>676</u>	<u>68.0</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	# - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
					TPH(GI)/btax/mtbe
<u>MW-3</u>	<u>3 VOAVIAL</u>	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>TPH-D</u>
<u>// //</u>	<u>1 AMBER</u>	<u>Y</u>	_____	<u>// //</u>	_____
_____	_____	_____	_____	_____	_____

COMMENTS: _____

**WELL MONITORING/SAMPLING
FIELD DATA SHEET**

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

Job#: 386383
 Date: 3-1-01
 Sampler: T.C.

Well ID: MW-4
 Well Diameter: 2 in.
 Total Depth: 28.34 ft.
 Depth to Water: 24.98 ft.

Well Condition: 0.1L
 Hydrocarbon Thickness: 0 (feet) Amount Bailed (Gallons): 0

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

3.36 x VF .17 = .57 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: 11:50
 Sampling Time: 12:00
 Purging Flow Rate: _____ gpm.
 Did well de-water? N

Weather Conditions: Cloudy
 Water Color: Gray Odor: N
 Sediment Description: _____
 If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity (µmhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>11:54</u>	<u>0.50</u>	<u>7.13</u>	<u>686</u>	<u>68.1</u>			
<u>11:56</u>	<u>1.0</u>	<u>7.09</u>	<u>671</u>	<u>67.9</u>			
<u>11:58</u>	<u>2.0</u>	<u>7.06</u>	<u>668</u>	<u>68.1</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-4</u>	<u>3 VOAVIAL</u>	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>TPH(GI)/btex/mtbe</u>
<u>" "</u>	<u>1 AMBIC</u>	<u>Y</u>	<u>—</u>	<u>" "</u>	<u>TPH-D</u>

COMMENTS: _____

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # Chevron 9-4800 Job#: 386383
 Address: 1700 Castro St. Date: 3-1-01
 City: Oakland, CA Sampler: T.C

Well ID MW-5 Well Condition: OK
 Well Diameter 2 in. Hydrocarbon Thickness: Ø (feet) Amount Bailed (product/water): Ø (Gallons)
 Total Depth 27.98 ft. Volume Factor (VF) 2" = 0.17 3" = 0.38 4" = 0.66
 Depth to Water 26.16 ft. 6" = 1.50 12" = 5.80

1.82 X VF .17 = .30 X 3 (case volume) = Estimated Purge Volume: 1.0 (gal.)

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

Starting Time: 11:25 Weather Conditions: cloudy
 Sampling Time: 11:30 Water Color: Clear Odor: N
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? N If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu\text{mhos/cm}$	Temperature $^{\circ}\text{F}$	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>11:27</u>	<u>.25</u>	<u>7.33</u>	<u>692</u>	<u>68.1</u>			
<u>11:28</u>	<u>.50</u>	<u>7.28</u>	<u>683</u>	<u>68.1</u>			
<u>11:29</u>	<u>1.0</u>	<u>7.26</u>	<u>673</u>	<u>68.1</u>			

LABORATORY INFORMATION

SAMPLE ID	# - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY		ANALYSES
				SEQUOIA		TPH(G)/btex/mtbe
<u>MW-5</u>	<u>3 VOAVIAL</u>	<u>Y</u>	<u>HCL</u>	<u> </u>	<u> </u>	<u>TPH-12</u>
<u> </u>	<u>1 AMBER</u>	<u>Y</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

COMMENTS: _____

**WELL MONITORING/SAMPLING
FIELD DATA SHEET**

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

Job#: 386383
 Date: ~~2~~ 3-1-01
 Sampler: T.C

Well ID: MW-6
 Well Diameter: 2 in.
 Total Depth: 28.14 ft.
 Depth to Water: 24.51 ft.

Well Condition: 0.12
 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	

3.63 X VF 0.17 = 0.61 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: 11:05
 Sampling Time: 11:10
 Purging Flow Rate: _____ gpm.
 Did well de-water? _____

Weather Conditions: Cloudy
 Water Color: clean Odor: SLIGHT
 Sediment Description: _____
 If yes: Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu\text{mhos/cm}$	Temperature $^{\circ}\text{F}$	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>11:07</u>	<u>1.0</u>	<u>7.36</u>	<u>786</u>	<u>68.0</u>			
<u>11:08</u>	<u>1.5</u>	<u>7.29</u>	<u>777</u>	<u>68.0</u>			
<u>11:09</u>	<u>2.0</u>	<u>7.26</u>	<u>753</u>	<u>68.0</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-6</u>	<u>3 VOAVIAL</u>	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>TPH(G)/btex/mtbe</u>
<u>" "</u>	<u>1 AMBER</u>	<u>Y</u>	<u>—</u>	<u>" "</u>	<u>TPH</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
Laboratory Service Order
Laboratory Service Code
Samples Collected by (Name) TONY CAMARDA
Signature Tony Camarda

Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air 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
					BTEX/MTBE/TPH GAS (8020 + 8015)	BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Organics (8260)	Purgeable Hydrocarbons (8010)	Purgeable Organics (8260)	Extractable Organics (8270)	Oil and Grease (5530)	Metals (ICAP or AA) Cd, Cr, Pb, Zn, Ni	BTEX (8020)	BTEX/MTBE/Naph. (8020)	TPH - HCD	TPH-D Extended	Lab Sample No.	
TB-LB	1	W	HCL	3-1-01	X													01	
MW-1	4			11 ⁰⁰	X	X												02	
MW-2	1			11 ⁴⁰	X	X												03	
MW-3	1			11 ²⁵	X	X												04	
MW-4	1			12 ⁰⁰	X	X												05	
MW-5	1			11 ³⁰	X	X												06	
MW-6	1			11 ¹⁰	X	X												07	

MKC006

Relinquished By (Signature) <i>Tony Camarda</i>	Organization G-R INC.	Date/Time	Received By (Signature) <i>Stella Samuel</i>	Organization	Date/Time 3/1/01 1:20pm	Iced Y/N	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 5 Days 10 Days <u>As Contracted</u>
Received By (Signature) <i>Stella Samuel</i>	Organization	Date/Time 3/2/01	Received By (Signature) <i>Chris M</i>	Organization (MH)	Date/Time 3/2/01	Iced Y/N	
By (Signature) <i>Tony Camarda</i>	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time	Iced Y/N	



RECEIVED

MAR 5 2001

GETTLER-RYAN, INC.
GENERAL CONTRACTORS

20 March, 2001

Deanna L. Harding
Gettler Ryan / Geostrategies - Dublin (Chevron)
6747 Sierra Court, Suite J
Dublin, CA 94568

RE: Chevron
Sequoia Report: MKC0062

Enclosed are the results of analyses for samples received by the laboratory on 03/02/01 18:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeff Smyly
Project Manager

CA ELAP Certificate #1210





Gettler Ryan / Geostrategies - Dublin (Chevron)
6747 Sierra Court, Suite J
Dublin CA, 94568

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

Reported:
03/20/01 09:04

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-LB	MKC0062-01	Water	03/01/01 00:00	03/02/01 18:15
MW-1	MKC0062-02	Water	03/01/01 11:00	03/02/01 18:15
MW-2	MKC0062-03	Water	03/01/01 11:40	03/02/01 18:15
MW-3	MKC0062-04	Water	03/01/01 11:25	03/02/01 18:15
MW-4	MKC0062-05	Water	03/01/01 12:00	03/02/01 18:15
MW-5	MKC0062-06	Water	03/01/01 11:30	03/02/01 18:15
MW-6	MKC0062-07	Water	03/01/01 11:10	03/02/01 18:15

Sequoia Analytical - Morgan Hill

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.


Jeff Smyly, Project Manager



Gettler Ryan / Geostrategies - Dublin (Chevron)
6747 Sierra Court, Suite J
Dublin CA, 94568

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

Reported:
03/20/01 09:04

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TB-LB (MKC0062-01) Water Sampled: 03/01/01 00:00 Received: 03/02/01 18:15									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	1C05003	03/05/01	03/05/01	DHS LUFT	
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		95.0 %		70-130	"	"	"	"	
MW-1 (MKC0062-02) Water Sampled: 03/01/01 11:00 Received: 03/02/01 18:15									
Purgeable Hydrocarbons	1500	250	ug/l	5	1C06001	03/06/01	03/06/01	DHS LUFT	P-01
Benzene	210	2.50	"	"	"	"	"	"	
Toluene	67.9	2.50	"	"	"	"	"	"	
Ethylbenzene	109	2.50	"	"	"	"	"	"	
Xylenes (total)	320	2.50	"	"	"	"	"	"	
Methyl tert-butyl ether	87.3	12.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		94.4 %		70-130	"	"	"	"	
MW-2 (MKC0062-03) Water Sampled: 03/01/01 11:40 Received: 03/02/01 18:15									
Purgeable Hydrocarbons	2340	500	ug/l	10	1C05005	03/05/01	03/05/01	DHS LUFT	P-01
Benzene	171	5.00	"	"	"	"	"	"	
Toluene	ND	5.00	"	"	"	"	"	"	
Ethylbenzene	238	5.00	"	"	"	"	"	"	
Xylenes (total)	157	5.00	"	"	"	"	"	"	
Methyl tert-butyl ether	864	25.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		113 %		70-130	"	"	"	"	





Gettler Ryan / Geostrategies - Dublin (Chevron)
6747 Sierra Court, Suite J
Dublin CA, 94568

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

Reported:
03/20/01 09:04

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (MKC0062-04) Water Sampled: 03/01/01 11:25 Received: 03/02/01 18:15									
Purgeable Hydrocarbons	912	250	ug/l	5	1C06001	03/06/01	03/06/01	DHS LUFT	P-01
Benzene	218	2.50	"	"	"	"	"	"	
Toluene	89.0	2.50	"	"	"	"	"	"	
Ethylbenzene	36.0	2.50	"	"	"	"	"	"	
Xylenes (total)	110	2.50	"	"	"	"	"	"	
Methyl tert-butyl ether	310	12.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		136 %	70-130		"	"	"	"	S-02
MW-4 (MKC0062-05) Water Sampled: 03/01/01 12:00 Received: 03/02/01 18:15									
Purgeable Hydrocarbons	193	50.0	ug/l	1	1C05003	03/05/01	03/05/01	DHS LUFT	
Benzene	2.31	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	1.34	0.500	"	"	"	"	"	"	
Xylenes (total)	12.1	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	1220	25.0	"	10	"	"	03/05/01	"	M-03
Surrogate: a,a,a-Trifluorotoluene		96.0 %	70-130		"	"	03/05/01	"	
MW-5 (MKC0062-06) Water Sampled: 03/01/01 11:30 Received: 03/02/01 18:15									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	1C05003	03/05/01	03/05/01	DHS LUFT	
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		88.2 %	70-130		"	"	"	"	



Gettler Ryan / Geostrategies - Dublin (Chevron)
6747 Sierra Court, Suite J
Dublin CA, 94568

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

Reported:
03/20/01 09:04

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-6 (MKC0062-07) Water Sampled: 03/01/01 11:10 Received: 03/02/01 18:15									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	1C05003	03/05/01	03/05/01	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	7.52	2.50	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		93.1 %		70-130	"	"	"	"	





Gettler Ryan / Geostrategies - Dublin (Chevron)
6747 Sierra Court, Suite J
Dublin CA, 94568

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

Reported:
03/20/01 09:04

Diesel Hydrocarbons (C9-C24) by DHS LUFT Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MKC0062-02) Water Sampled: 03/01/01 11:00 Received: 03/02/01 18:15									
Diesel Range Hydrocarbons	211	50.0	ug/l	1	1C12021	03/12/01	03/15/01	DHS LUFT	D-15
Surrogate: n-Pentacosane		80.1 %	50-150		"	"	"	"	
MW-2 (MKC0062-03) Water Sampled: 03/01/01 11:40 Received: 03/02/01 18:15									
Diesel Range Hydrocarbons	1320	50.0	ug/l	1	1C12021	03/12/01	03/19/01	DHS LUFT	D-15
Surrogate: n-Pentacosane		87.5 %	50-150		"	"	"	"	
MW-3 (MKC0062-04) Water Sampled: 03/01/01 11:25 Received: 03/02/01 18:15									
Diesel Range Hydrocarbons	144	50.0	ug/l	1	1C12021	03/12/01	03/19/01	DHS LUFT	D-15
Surrogate: n-Pentacosane		76.9 %	50-150		"	"	"	"	
MW-4 (MKC0062-05) Water Sampled: 03/01/01 12:00 Received: 03/02/01 18:15									
Diesel Range Hydrocarbons	661	50.0	ug/l	1	1C12021	03/12/01	03/19/01	DHS LUFT	D-15
Surrogate: n-Pentacosane		90.2 %	50-150		"	"	"	"	
MW-5 (MKC0062-06) Water Sampled: 03/01/01 11:30 Received: 03/02/01 18:15									
Diesel Range Hydrocarbons	77.4	50.0	ug/l	1	1C12021	03/12/01	03/19/01	DHS LUFT	D-15
Surrogate: n-Pentacosane		83.1 %	50-150		"	"	"	"	
MW-6 (MKC0062-07) Water Sampled: 03/01/01 11:10 Received: 03/02/01 18:15									
Diesel Range Hydrocarbons	141	54.3	ug/l	1	1C12021	03/12/01	03/20/01	DHS LUFT	D-15
Surrogate: n-Pentacosane		89.8 %	50-150		"	"	"	"	



Gettler Ryan / Geostrategies - Dublin (Chevron)
6747 Sierra Court, Suite J
Dublin CA, 94568

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

Reported:
03/20/01 09:04

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT - Quality Control Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1C05003 - EPA 5030B [P/T]

Blank (1C05003-BLK1)

Prepared & Analyzed: 03/05/01

Purgeable Hydrocarbons	ND	50.0	ug/l							
Benzene	ND	0.500	"							
Toluene	ND	0.500	"							
Ethylbenzene	ND	0.500	"							
Xylenes (total)	ND	0.500	"							
Methyl tert-butyl ether	ND	2.50	"							
<i>Surrogate: a,a,a-Trifluorotoluene</i>	9.53		"	10.0		95.3	70-130			

LCS (1C05003-BS1)

Prepared & Analyzed: 03/05/01

Benzene	8.18	0.500	ug/l	10.0		81.8	70-130			
Toluene	8.94	0.500	"	10.0		89.4	70-130			
Ethylbenzene	9.72	0.500	"	10.0		97.2	70-130			
Xylenes (total)	28.6	0.500	"	30.0		95.3	70-130			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	9.60		"	10.0		96.0	70-130			

Matrix Spike (1C05003-MS1)

Source: MKC0062-06

Prepared & Analyzed: 03/05/01

Benzene	8.27	0.500	ug/l	10.0	ND	82.7	60-140			
Toluene	8.61	0.500	"	10.0	ND	86.1	60-140			
Ethylbenzene	8.84	0.500	"	10.0	ND	88.4	60-140			
Xylenes (total)	28.8	0.500	"	30.0	ND	96.0	60-140			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	9.46		"	10.0		94.6	70-130			

Matrix Spike Dup (1C05003-MSD1)

Source: MKC0062-06

Prepared & Analyzed: 03/05/01

Benzene	7.79	0.500	ug/l	10.0	ND	77.9	60-140	5.98	25	
Toluene	8.04	0.500	"	10.0	ND	80.4	60-140	6.85	25	
Ethylbenzene	8.24	0.500	"	10.0	ND	82.4	60-140	7.03	25	
Xylenes (total)	26.7	0.500	"	30.0	ND	89.0	60-140	7.57	25	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	8.87		"	10.0		88.7	70-130			





Gettler Ryan / Geostrategies - Dublin (Chevron)
6747 Sierra Court, Suite J
Dublin CA, 94568

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

Reported:
03/20/01 09:04

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT - Quality Control Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1C05005 - EPA 5030B [P/T]

Blank (1C05005-BLK1)

Prepared & Analyzed: 03/05/01

Purgeable Hydrocarbons	ND	50.0	ug/l							
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: <i>a,a,a</i> -Trifluorotoluene	9.97		"	10.0		99.7	70-130			

LCS (1C05005-BS1)

Prepared & Analyzed: 03/05/01

Purgeable Hydrocarbons	229	50.0	ug/l	250		91.6	70-130			
Surrogate: <i>a,a,a</i> -Trifluorotoluene	18.6		"	10.0		186	70-130			S-02

Matrix Spike (1C05005-MS1)

Source: MKC0059-01

Prepared & Analyzed: 03/05/01

Purgeable Hydrocarbons	236	50.0	ug/l	250	ND	77.7	60-140			
Surrogate: <i>a,a,a</i> -Trifluorotoluene	19.9		"	10.0		199	70-130			S-02

Matrix Spike Dup (1C05005-MSD1)

Source: MKC0059-01

Prepared & Analyzed: 03/05/01

Purgeable Hydrocarbons	228	50.0	ug/l	250	ND	74.5	60-140	3.45	25	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	19.8		"	10.0		198	70-130			S-02

Batch 1C06001 - EPA 5030B [P/T]

Blank (1C06001-BLK1)

Prepared & Analyzed: 03/06/01

Purgeable Hydrocarbons	ND	50.0	ug/l							
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: <i>a,a,a</i> -Trifluorotoluene	9.77		"	10.0		97.7	70-130			



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03/20/01 09:04

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1C06001 - EPA 5030B [P/T]

LCS (1C06001-BS1)

Prepared & Analyzed: 03/06/01

Benzene	9.52	0.500	ug/l	10.0		95.2	70-130			
Toluene	10.3	0.500	"	10.0		103	70-130			
Ethylbenzene	10.7	0.500	"	10.0		107	70-130			
Xylenes (total)	30.1	0.500	"	30.0		100	70-130			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	10.2		"	10.0		102	70-130			

Matrix Spike (1C06001-MS1)

Source: MKC0094-04

Prepared & Analyzed: 03/06/01

Benzene	9.45	0.500	ug/l	10.0	ND	94.5	60-140			
Toluene	9.96	0.500	"	10.0	ND	99.6	60-140			
Ethylbenzene	10.4	0.500	"	10.0	ND	104	60-140			
Xylenes (total)	30.4	0.500	"	30.0	ND	101	60-140			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	9.82		"	10.0		98.2	70-130			

Matrix Spike Dup (1C06001-MSD1)

Source: MKC0094-04

Prepared & Analyzed: 03/06/01

Benzene	9.67	0.500	ug/l	10.0	ND	96.7	60-140	2.30	25	
Toluene	10.1	0.500	"	10.0	ND	101	60-140	1.40	25	
Ethylbenzene	10.6	0.500	"	10.0	ND	106	60-140	1.90	25	
Xylenes (total)	30.7	0.500	"	30.0	ND	102	60-140	0.982	25	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	10.1		"	10.0		101	70-130			





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Reported:
03/20/01 09:04

**Diesel Hydrocarbons (C9-C24) by DHS LUFT - Quality Control
Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1C12021 - EPA 3510B										
Blank (1C12021-BLK1) Prepared: 03/12/01 Analyzed: 03/15/01										
Diesel Range Hydrocarbons	ND	50.0	ug/l							
Surrogate: n-Pentacosane	68.5		"	100		68.5	50-150			
LCS (1C12021-BS1) Prepared: 03/12/01 Analyzed: 03/15/01										
Diesel Range Hydrocarbons	773	50.0	ug/l	1000		77.3	60-140			
Surrogate: n-Pentacosane	73.2		"	100		73.2	50-150			
Matrix Spike (1C12021-MS1) Source: MKC0066-02 Prepared: 03/12/01 Analyzed: 03/15/01										
Diesel Range Hydrocarbons	782	50.0	ug/l	1000	ND	78.2	50-150			
Surrogate: n-Pentacosane	64.8		"	100		64.8	50-150			
Matrix Spike Dup (1C12021-MSD1) Source: MKC0066-02 Prepared: 03/12/01 Analyzed: 03/15/01										
Diesel Range Hydrocarbons	764	50.0	ug/l	1000	ND	76.4	50-150	2.33	50	
Surrogate: n-Pentacosane	68.8		"	100		68.8	50-150			



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Reported:
03/20/01 09:04

Notes and Definitions

- D-15 Chromatogram Pattern: Unidentified Hydrocarbons C9-C24
- M-03 Sample was analyzed at a second dilution.
- P-01 Chromatogram Pattern: Gasoline C6-C12
- S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample.
- 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

