GETTLER-RYAN INC.

OCT 17 2001

TRANSMITTAL

September 28, 2001
G-R #386420

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: Former Chevron Service Station
#9-0517
3900 Piedmont Avenue
Oakland, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	September 26, 2001	Groundwater Monitoring and Sampling Report Third Quarter - Event of August 23, 2001

COMMENTS:

This report is being sent for your review. Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to ***October 12, 2001***, at which time the final report will be distributed to the following:

cc: **Mr. Larry Seto, Alameda County Health Care Services, Dept. of Environmental Health, 1153 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577**
Mr. Greg Gurss, Gettler-Ryan Inc., 3140 Gold Camp Drive, Suite 170, Rancho Cordova, CA 95670
Neil B. Goodhue and Mrs. Diane C. Goodhue, 300 Hillside Avenue, Piedmont, CA 94611

Enclosures

trans/9-0517-tb

GETTLER-RYAN INC.

September 26, 2001
G-R Job #386420

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

RE: Third Quarter Event of August 23, 2001
Groundwater Monitoring & Sampling Report
Former Chevron Service Station #9-0517
3900 Piedmont Avenue
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,

Anamarie Nercau
- FOR -

Deanna L. Harding
Project Coordinator

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

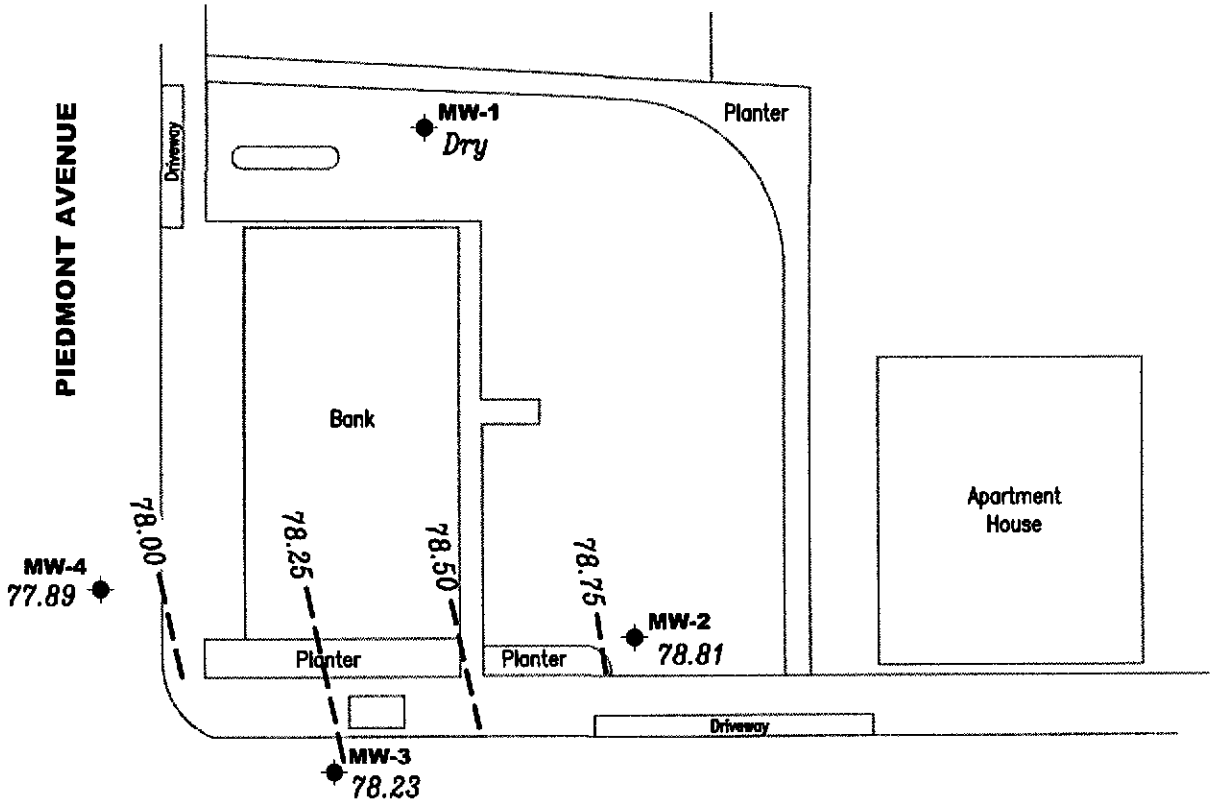
REGISTERED GEOLOGIST
DOUGLAS J. LEE
No. 6882
STATE OF CALIFORNIA

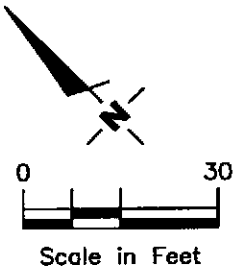
Figure 1: Potentiometric Map
Table 1: Groundwater Monitoring Data and Analytical Results
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports

EXPLANATION

- ● Groundwater monitoring well
- *99.99* Groundwater elevation in feet referenced to Mean Sea Level (MSL)
- 99.99 Groundwater elevation contour, dashed where inferred

Approximate groundwater flow direction at a gradient of 0.01 Ft./Ft.





Source: Figure modified from drawing provided by RRM engineering contracting firm.

GETTLER - RYAN INC.
6747 Sierra Ct., Suite J
Dublin, CA 94568 (925) 551-7555

POTENTIOMETRIC MAP
Former Chevron Service Station #9-0517
3900 Piedmont Avenue
Oakland, California

FIGURE 1

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
386420		August 23, 2001	

FILE NAME: P:\Enviro\Chevron\9-0517\Q01-9-0517.DWG | Layout Tab: Pot3

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-0517

3900 Piedmont Avenue

Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-1									
08/03/98	87.89	75.46	12.43	<50	<0.5	<0.5	<0.5	<0.5	<2.5
11/23/98	87.89	78.84	9.05	<50	<0.5	<0.5	<0.5	<0.5	<2.0
02/08/99	87.89	81.39	6.50	<50	<0.5	<0.5	<0.5	<0.5	<2.5
05/07/99	87.89	80.76	7.13	<50	<0.5	<0.5	<0.5	<0.5	<5.0
08/23/99	87.89	78.74	9.15	<50	<0.5	<0.5	<0.5	<0.5	<2.5
11/03/99	87.89	78.35	9.54	<50	<0.5	<0.5	<0.5	<0.5	<2.5
02/15/00	87.89	81.99	5.90	<50	<0.5	<0.5	<0.5	<0.5	<5.0
05/12/00[3]	87.89	80.84	7.05	<50	<0.50	<0.50	<0.50	<0.50	<2.5
07/31/00	87.89	79.49	8.40	<50	<0.50	<0.50	<0.50	<0.50	<2.5
10/30/00	87.89	79.24	8.65	<50.0	<0.500	<0.500	<0.500	<1.50	<2.50
02/27/01	87.89	82.06	5.83	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
05/15/01	87.89	80.18	7.71	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
08/23/01	**87.89**	**DRY**	--	--	--	--	--	--	--
MW-2									
08/03/98	86.09	74.75	11.34	<50	<0.5	<0.5	<0.5	<0.5	3.4
11/23/98	86.09	79.19	6.90	<50	<0.5	<0.5	<0.5	<0.5	<2.0
02/08/99	86.09	80.86	5.23	<50	<0.5	<0.5	<0.5	<0.5	<2.5
05/07/99	86.09	79.97	6.12	<50	<0.5	<0.5	<0.5	<0.5	<5.0
08/23/99	86.09	79.68	6.41	<50	<0.5	<0.5	<0.5	<0.5	<2.5
11/03/99	86.09	78.80	7.29	<50	<0.5	<0.5	<0.5	<0.5	<2.5
02/15/00	86.09	81.60	4.49	<50	<0.5	<0.5	<0.5	<0.5	<5.0
05/12/00	86.09	80.19	5.90	4,000[3]	240	26	100	76	<100
07/31/00	86.09	79.51	6.58	<50	<0.50	<0.50	<0.50	<0.50	<2.5
10/30/00	86.09	79.86	6.23	<50.0	<0.500	2.92	<0.500	1.88	4.89
02/27/01	86.09	81.49	4.60	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
05/15/01	86.09	79.79	6.30	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
08/23/01	**86.09**	**78.81**	**7.28**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<2.5**

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-0517

3900 Piedmont Avenue

Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-3									
08/03/98	86.28	74.20	12.08	4000	160	<5.0	<5.0	73	180
11/23/98	86.28	78.59	7.69	4000	67.7	7.56	17.1	24.5	41.2
02/08/99	86.28	80.01	6.27	<50	<0.5	<0.5	<0.5	<0.5	<2.5
05/07/99	86.28	79.32	6.96	1800	53.6	8.96	33	18.6	21.4
08/23/99	86.28	78.36	7.92	3970	155	24	88.8	39.8	185
11/03/99	86.28	78.36	7.92	3320	108	19.9	98.4	44.8	<25
02/15/00	86.28	80.54	5.74	779	26.7	3.82	15.4	4.24	<12.5
05/12/00	86.28	79.52	6.76	12,000[3]	3,100	120	980	1,400	820
07/31/00	86.28	78.98	7.30	1,200[3]	32	<5.0	11	7.3	39
10/30/00	86.28	79.26	7.02	3,300[4]	119	<5.00	40.0	<15.0	<25.0
02/27/01	86.28	80.39	5.89	432[3]	15.5	1.53	14.9	1.06	15.7
05/15/01	86.28	79.21	7.07	3,220[3]	96.4	12.6	11.5	11.6	128
08/23/01	**86.28**	**78.23**	**8.05**	**2,300**	**48**	**<10**	**<10**	**<10**	**100**
MW-4									
08/03/98	87.22	74.30	12.92	1900	110	12	<0.5	55	130
11/23/98	87.22	77.82	9.40	4080	136	17.8	37.2	30.1	51.8
02/08/99[1]	87.22	79.40	7.82	2900	150	16	<5.0	15	230/30.7[2]
05/07/99	87.22	79.80	7.42	6050	161	<25	39.8	36.9	<250/30.2[2]
08/23/99	87.22	77.83	9.39	3930	203	37.6	58.6	42.2	255
11/03/99	87.22	77.41	9.81	5350	324	44.7	91.5	56.1	<50
02/15/00	87.22	79.50	7.72	4080	161	27.7	31.1	39.1	73.9
05/12/00	87.22	79.31	7.91	3,600[3]	170	27	49	64	170
07/31/00	87.22	78.57	8.65	2,900[3]	160	20	15	56	170
10/30/00	87.22	78.14	9.08	5,630[4]	301	17.8	11.8	51.5	<25.0
02/27/01	87.22	79.92	7.30	2,140[3]	95.1	12.8	53.4	43.0	235
05/15/01	87.22	79.07	8.15	4,580[3]	200	44.1	46.3	51.7	172
08/23/01	**87.22**	**77.89**	**9.33**	**2,700**	**250**	**44**	**21**	**72**	**130**

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-0517

3900 Piedmont Avenue

Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
TRIP BLANK									
08/03/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
11/23/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0
02/08/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
05/07/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
08/23/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
11/03/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
02/15/00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
05/12/00	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
07/31/00	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
10/30/00	--	--	--	<50.0	<0.500	<0.500	<0.500	<1.50	<2.50
02/27/01	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
05/15/01	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
08/23/01	**--**	**--**	**--**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<2.5**

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-0517

3900 Piedmont Avenue

Oakland, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to May 12, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

TOC = Top of Casing

(ft.) = Feet

GWE = Groundwater Elevation

(msl) = Mean sea level

DTW = Depth to Water

TPH-G = Total Petroleum Hydrocarbons as Gasoline

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes

MTBE = Methyl tertiary butyl ether

(ppb) = Parts per billion

-- = Not Measured/Not Analyzed

1 Chromatogram pattern indicates gas and an unidentified hydrocarbon.

2 Confirmation run.

3 Laboratory report indicates gasoline C6-C12.

4 Laboratory report indicates hydrocarbon pattern present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.

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 9-0517 | Job#: 386420

Address: 3900 PIEDMONT AVE. | Date: 8/23/01

City: OAKLAND, CA | Sampler: FRANK T.

Well ID: MW-1 | Well Condition: O'K'

Well Diameter: 2" in. | Hydrocarbon Thickness: -0- (feet) | Amount Bailed (product/water): -0- (Gallons)

Total Depth: 16.35 ft.

Depth to Water: DRY ft.

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

N/A X VF ____ = ____ X 3 (case volume) = Estimated Purge Volume: ____ (gal.)

Purge Equipment:
- Disposable Bailer
- Bailer
- Stack
- N/A Suction
- Grundfos
- Other: ____

Sampling Equipment:
- Disposable Bailer
- Bailer
- N/A Pressure Bailer
- Grab Sample
- Other: ____

Starting Time: ____ | Weather Conditions: SUNNY

Sampling Time: ____ | Water Color: ____ | Odor: ____

Purging Flow Rate: ____ gpm. | Sediment Description: ____

Did well de-water? ____ | If yes; Time: ____ | Volume: ____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	VOA/VIAL	Y	HCL	SEQUOIA	TPH(G)/btex/mtbe

COMMENTS: THIS WELL WAS "DRY".

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility #: Chevron 9-[redacted] 0517
Address: 39[redacted] PIEDMONT AVE. [redacted]
City: [redacted] OAKLAND, CA

Job#: 386[redacted]420
Date: 8/23/01
Sampler: FRANK T.

Well ID: MW-2
Well Condition: O'K'
Well Diameter: 2" in.
Hydrocarbon Thickness: 0 (feet)
Amount Bailed (product/water): 0 (Gallons)
Total Depth: 16.32 ft.
Depth to Water: 7.28 ft.

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

9.04 x VF .17 = 1.53 X 3 (case volume) = Estimated Purge Volume: 4.61 (gal.)

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

Starting Time: 9:31
Sampling Time: 9:46
Purging Flow Rate: N/A gpm.
Did well de-water? NO

Weather Conditions: SUNNY
Water Color: CLOUDY | TAN Odor: NO
Sediment Description: SLIGHTLY SILTY
If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm X100	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
9:34	1.5	7.42	197	72.7			
9:37	3.0	7.39	188	72.1			
9:40	4.5	7.31	174	72.0			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- 2	3x VOA VIAL	Y	HCL	SEQUOIA	TPH(G)/btex/mtbe

COMMENTS:

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility #: Chevron 9-[redacted] 0517 — Job#: 386[redacted]420

Address: 39[redacted] PIEDMONT AVE. — Date: 8/23/01

City: [redacted] 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: 17.42 ft.

Depth to Water: 8.05 ft.

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

9.37 x VF .17 = 1.59 X 3 (case volume) = Estimated Purge Volume: 4.77 (gal.)

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

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

Starting Time: 9:58 — Weather Conditions: SUNNY

Sampling Time: 10:14 — Water Color: CLOUDY / LT GREY — Odor: YES

Purging Flow Rate: N/A gpm. — Sediment Description: SLIGHTLY SILTY

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)
10:01	1.5	7.37	196	70.9			
10:04	3.0	7.29	200	71.2			
10:08	5.0	7.19	208	70.8			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- 3	3 x VOA VIAL	Y	HCL	SEQUOIA	TPHIG/btex/mtbe

COMMENTS: _____

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # Chevron 9-[redacted] 0517 — Job#: 386[redacted]420

Address: [redacted]39 00 PIEDMONT AVE. — Date: 8/23/01

City: [redacted] OAKLAND, CA — Sampler: FRANK T.

Well ID: MW-4 — Well Condition: OK

Well Diameter: 2" in. — Hydrocarbon Thickness: 0 (feet) — Amount Bailed (product/water): 0 (Gallons)

Total Depth: 16.00 ft.

Depth to Water: 9.33 ft.

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

6.67 X VF .17 = 1.13 X 3 (case volume) = Estimated Purge Volume: 3.40 (gal.)

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

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

Starting Time: 10:24

Sampling Time: 10:38

Purging Flow Rate: N/A gpm.

Did well de-water? NO

Weather Conditions: SUNNY

Water Color: CLOUDY / GREY Odor: YES

Sediment Description: SILTY

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

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
10:27	1.0	7.42	207	71.2			
10:30	2.0	7.36	203	70.5			
10:32	3.0	7.27	197	70.2			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- 4	3x VOA VIAL	Y	HCL	SEQUOIA	TPH(G)/btex/mtbe

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 #9-0517
Facility Address 3900 PIEDMONT AVE., OAKLAND, CA.
Consultant Project Number 306420
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 W10B4781
Laboratory Service Order
Laboratory Service Code
Samples Collected by (Name) FRANK TERRANONI
Signature

State Method: ☑ CA ☐ OR ☐ WA ☐ NW Series ☐ CO ☐ UT IDAHO

Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Sample Preservation	Date/Time	BTEX/MTBE+TPH GAS (8020 + 8015)	BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oxygenates (8260)	Purgeable Halocarbons (8010)	Purgeable Organics (8260)	Extractable Organics (8270)	Oil and Grease (5520)	Metals (ICAP or AA) Cd,Cr,Pb,Zn,Ni	BTEX (8020)	BTEX/MTBE/Naph. (8020)	TPH - HCID	TPH-D Extended						Remarks / Lab Sample No.
TOCB																							
[redacted]	1	W	HCL	8/23/01	X			01	A														
[redacted]	[redacted]				[redacted]																		
MW-2	3			946	X			02	A-C														
MW-3	3			1014	X			03															
MW-4	3	↓	↓	1038	X			04	↓														

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Iced (Y/N)
[signature]	G-R INC.	8/23/01	Michael Gorum	Sequoia	8/27/01	1680
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)		Date/Time	Iced Y/N

Turn Around Time (Circle Choice)
24 Hrs.
48 Hrs.
5 Days
10 Days
As Contracted

Sequoia
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10 September, 2001

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

RE: Chevron
Sequoia Report: W108481

Enclosed are the results of analyses for samples received by the laboratory on 27-Aug-01 16:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Charlie Westwater
Project Manager

CA ELAP Certificate #1271

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Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron # 9-0517	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	10-Sep-01 07:37

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-LB	W108481-01	Water	23-Aug-01 00:00	27-Aug-01 16:00
MW-2	W108481-02	Water	23-Aug-01 09:46	27-Aug-01 16:00
MW-3	W108481-03	Water	23-Aug-01 10:14	27-Aug-01 16:00
MW-4	W108481-04	Water	23-Aug-01 10:38	27-Aug-01 16:00

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Charlie Westwater, Project Manager

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Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron # 9-0517	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	10-Sep-01 07:37

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
TB-LB (W108481-01) Water Sampled: 23-Aug-01 00:00 Received: 27-Aug-01 16:00									
Purgeable Hydrocarbons (C6-C12)	ND	50	ug/l	1	1H30003	31-Aug-01	31-Aug-01	EPA 8015M/8020	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether (MTBE)	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*96.3 %*	*70-130*		"	"	"	"	
MW-2 (W108481-02) Water Sampled: 23-Aug-01 09:46 Received: 27-Aug-01 16:00									
Purgeable Hydrocarbons (C6-C12)	ND	50	ug/l	1	1H30003	31-Aug-01	31-Aug-01	EPA 8015M/8020	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether (MTBE)	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*93.0 %*	*70-130*		"	"	"	"	
MW-3 (W108481-03) Water Sampled: 23-Aug-01 10:14 Received: 27-Aug-01 16:00									
Purgeable Hydrocarbons (C6-C12)	**2300**	1000	ug/l	20	1H30003	31-Aug-01	31-Aug-01	EPA 8015M/8020	
Benzene	**48**	10	"	"	"	"	"	"	
Toluene	ND	10	"	"	"	"	"	"	
Ethylbenzene	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	
Methyl tert-butyl ether (MTBE)	**100**	50	"	"	"	"	"	"	Q-28
Surrogate: a,a,a-Trifluorotoluene		*119 %*	*70-130*		"	"	"	"	

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Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron # 9-0517	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	10-Sep-01 07:37

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-4 (W108481-04) Water	**Sampled: 23-Aug-01 10:38**		**Received: 27-Aug-01 16:00**						
Purgeable Hydrocarbons (C6-C12)	**2700**	1000	ug/l	20	1H30003	31-Aug-01	31-Aug-01	EPA 8015M/8020	
Benzene	**250**	10	"	"	"	"	"	"	
Toluene	**44**	10	"	"	"	"	"	"	
Ethylbenzene	**21**	10	"	"	"	"	"	"	
Xylenes (total)	**72**	10	"	"	"	"	"	"	
Methyl tert-butyl ether (MTBE)	**130**	50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*144 %*	*70-130*		"	"	"	"	*S-04*

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Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron # 9-0517	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	10-Sep-01 07:37

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
Batch 1H30003 - EPA 5030B P/T										
Blank (1H30003-BLK1)				Prepared & Analyzed: 30-Aug-01						
Purgeable Hydrocarbons (C6-C12)	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 (MTBE)	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*25.8*		"	*30.0*		*86.0*	*70-130*			
Blank (1H30003-BLK2)				Prepared: 31-Aug-01 Analyzed: 06-Sep-01						
Purgeable Hydrocarbons (C6-C12)	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 (MTBE)	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*26.1*		"	*30.0*		*87.0*	*70-130*			
LCS (1H30003-BS1)				Prepared & Analyzed: 30-Aug-01						
Benzene	23.6	0.50	ug/l	20.0		118	70-130			
Toluene	18.7	0.50	"	20.0		93.5	70-130			
Ethylbenzene	19.8	0.50	"	20.0		99.0	70-130			
Xylenes (total)	56.8	0.50	"	60.0		94.7	70-130			
Surrogate: a,a,a-Trifluorotoluene	*27.7*		"	*30.0*		*92.3*	*70-130*			
LCS (1H30003-BS2)				Prepared: 31-Aug-01 Analyzed: 06-Sep-01						
Benzene	19.4	0.50	ug/l	20.0		97.0	70-130			
Toluene	18.2	0.50	"	20.0		91.0	70-130			
Ethylbenzene	17.7	0.50	"	20.0		88.5	70-130			
Xylenes (total)	57.2	0.50	"	60.0		95.3	70-130			
Surrogate: a,a,a-Trifluorotoluene	*28.5*		"	*30.0*		*95.0*	*70-130*			

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Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron # 9-0517	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	10-Sep-01 07:37

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
Batch 1H30003 - EPA 5030B P/T										
Matrix Spike (1H30003-MS1)	Source: W108442-02			Prepared & Analyzed: 30-Aug-01						
Benzene	22.9	0.50	ug/l	20.0	ND	114	70-130			
Toluene	19.1	0.50	"	20.0	ND	95.5	70-130			
Ethylbenzene	19.1	0.50	"	20.0	ND	95.5	70-130			
Xylenes (total)	60.0	0.50	"	60.0	ND	100	70-130			
Surrogate: a,a,a-Trifluorotoluene	*27.3*		"	*30.0*		*91.0*	*70-130*			
Matrix Spike Dup (1H30003-MSD1)	Source: W108442-02			Prepared & Analyzed: 30-Aug-01						
Benzene	22.4	0.50	ug/l	20.0	ND	112	70-130	2.21	20	
Toluene	18.5	0.50	"	20.0	ND	92.5	70-130	3.19	20	
Ethylbenzene	18.9	0.50	"	20.0	ND	94.5	70-130	1.05	20	
Xylenes (total)	57.2	0.50	"	60.0	ND	95.3	70-130	4.78	20	
Surrogate: a,a,a-Trifluorotoluene	*27.4*		"	*30.0*		*91.3*	*70-130*			

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Gettler Ryan, Inc. - Dublin	Project: Chevron	**Reported:**
6747 Sierra Court Suite J	Project Number: Chevron # 9-0517	9-Sep-01 07:37
Dublin CA, 94568	Project Manager: Deanna L. Harding	

Notes and Definitions

Q-28	The opening calibration verification standard was outside acceptance criteria by 5.5%. Althou ple verified the accuracy of the batch, this should be considered in evaluating the data for its intenc
S-04	The surrogate recovery for this sample is outside control limits due to interference from the samp
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

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