Chevron

HAZMAT

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August 10, 1994

Chevron U.S.A. Products Company
2410 Camino Ramon
San Ramon, CA 94583
P.O Box 5004
San Ramon, CA 94583-0804

Marketing Department
Phone 510 842 9500

Ms. Juliet Shin
Alameda County
Department of Environmental Health
Hazardous Waste Program
80 Swan Way, Room 200
Oakland, CA 94621

Re: Chevron Service Station No. 9-6607
2340 Otis Drive, Alameda, California

Dear Ms. Shin :

All wells were below the detection limit for TPH-G and BTEX with the exception of MW-4 which had only trace levels of benzene, toluene, and xylene. The concentrations reported in MW-4 are currently below MCLs (Maximum Contaminant Levels).

Please refer to the enclosed report from Sierra Environmental Services dated July 26, 1994. If you have any questions or comments, please call me at (510) 842-8752.

Sincerely,

Chevron U.S.A. Products Co.

Kenneth Can
Engineer

LKAN/MacFile 9-6607R13

Enclosure

cc : Mr. Richard Hiett, RWQCB-San Francisco Bay Area
2101 Webster Street, Suite 500, Oakland, CA 94612

Mr. Steve Willer
Chevron U.S.A. Products Co.

SIERRA
Environmental Services

AUG 01 '94 K.L.K.

July 26, 1994

Kenneth Kan
Chevron USA Products Company
P.O. Box 5004
San Ramon, CA 94583

Re: Chevron Service Station #9-6607
2340 Otis Drive
Alameda, California
SES Project #1-292-04

Dear Mr. Kan:

This report presents the results of quarterly ground water sampling at Chevron Service Station #9-6607, located at 2340 Otis Drive in Alameda, California. Four wells, MW-1 through MW-4, were sampled (Figure 1).

On July 14, 1994, SES personnel visited the site. Water levels were measured in all wells and all wells were checked for the presence of free-phase hydrocarbons. Free-phase hydrocarbons were not present in any of the site wells. Water level data are shown in Table 1 and ground water elevation contours are included on Figure 1.

The ground water samples were collected on July 14, 1994 in accordance with SES Standard Operating Procedure - Ground Water Sampling (attached). The field water sampling forms for this event are included. All analyses were performed by GTEL of Concord, California. Analytic results for ground water are presented in Table 1. The chain of custody document and laboratory analytic reports are attached. SES is not responsible for laboratory omissions or errors.

Thank you for allowing us to provide services to Chevron. Please call if you have any questions.

REGISTERED PROFESSIONAL ENGINEER
CHRIS J. BRAMER
C 048846
CIVIL
STATE OF CALIFORNIA

Sincerely,
Sierra Environmental Services

Argy Mena
Staff Geologist

Chris J. Bramer
Professional Engineer #C48846

AJM/CJB/lmo
29204QM.JL4

Attachments: Figure
Table
SES Standard Operating Procedure
Field Water Sampling Forms
Chain of Custody Document and Laboratory Analytic Reports

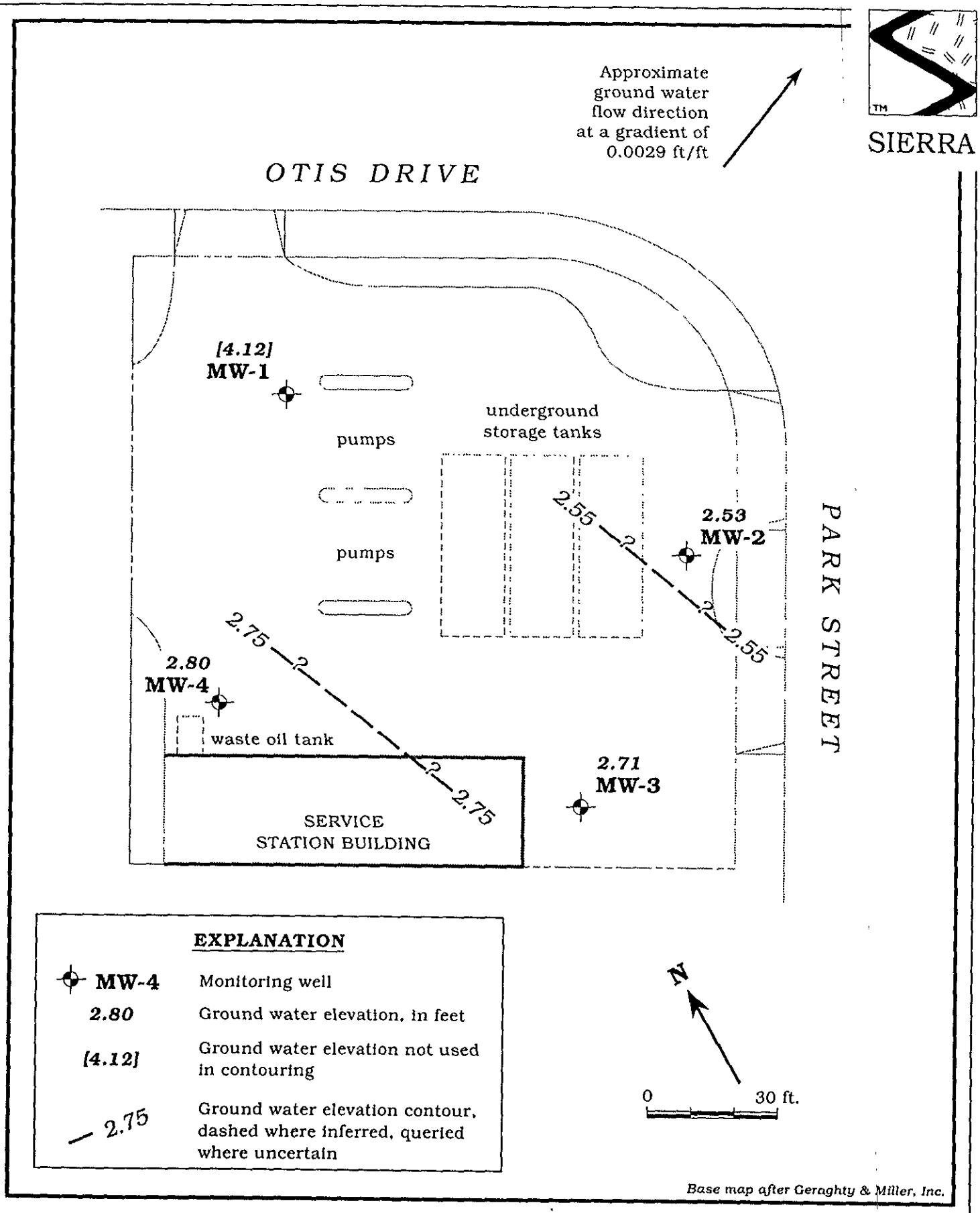

Figure 1. Monitoring Well Location and Ground Water Elevation Contour Map - July 14, 1994 - Chevron Service Station #9-6607, 2340 Otis Drive, Alameda, California

1-292-04 7/19/94

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Table 1. Water Level Data and Ground Water Analytic Results - Chevron Service Station #96607, 2340 Otis Drive, Alameda, California

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G)	TPH(D)	O&G	B	T	E	X
						<--------			ppb			-------->
MW-1/ 7.12	8/21/91	6.10	1.02	0	8015/8020	<50	---	---	<0.5	<0.5	<0.5	<0.5
	1/9/92	3.96	3.16	0	8015/8020/503E	<50	---	<5,000	<0.5	<0.5	<0.5	<0.5
	4/20/92	3.90	3.22	0	8015/8020	<50	---	---	<0.5	<0.5	<0.5	<0.5
	7/25/92	4.18	2.94	0	8015/8020	<50	---	---	<0.5	<0.5	<0.5	<0.5
	11/24/92	4.72	2.40	0	8015/8020	<50	---	---	<0.5	<0.5	<0.5	<0.5
	1/21/93	3.18	3.94	0	8015/8020	<50	---	---	<0.5	<0.5	<0.5	<0.5
	4/13/93	3.70	3.42	0	8015/8020	<50	---	---	<0.5	0.7	<0.5	1.0
	7/14/93	4.21	2.91	0	8015/8020	<50[2]	---	---	<0.5	<0.5	<0.5	1.0
	10/26/93	4.28	2.84	0	8015/8020	<50	---	---	<0.5	<0.5	<0.5	<0.5
	1/11/94	4.16	2.96	0	8015/8020	<50	---	---	<0.5	<0.5	<0.5	<0.5
	3/31/94	3.88	3.24	0	8015/8020	<50	---	---	<0.5	0.6	<0.5	0.7
	7/14/94	**3.00**	**4.12**	**0**	**8015/8020**	**<50[2]**	**---**	**---**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
MW-2/ 7.43	8/21/91	6.40	1.03	0	8015/8020	430	---	---	170.0	0.9	1.0	3.6
	1/9/92	4.23	3.20	0	8015/8020/503E	58[1]	---	<5,000	16.0	<0.5	<0.5	<0.5
	4/20/92	4.17	3.26	0	8015/8020	180	---	---	9.6	<0.5	0.8	<0.5
	7/25/92	4.47	2.96	0	8015/8020	220	---	---	8.0	0.7	4.0	8.6
	11/24/92	5.82	1.61	0	8015/8020	72	---	---	3.2	<0.5	0.5	0.6
	1/21/93	3.35	4.08	0	8015/8020	<50	---	---	0.8	<0.5	<0.5	<0.5
	4/13/93	4.02	3.41	0	8015/8020	78	---	---	<0.5	<0.5	<0.5	0.6
	7/14/93	4.49	2.94	0	8015/8020	<50[2]	---	---	<0.5	<0.5	<0.5	<0.5
	10/26/93	4.56	2.87	0	8015/8020	<50[2]	---	---	<0.5	0.9	<0.5	0.6
	1/11/94	4.39	3.04	0	8015/8020	<50[2]	---	---	<0.5	1	<0.5	<0.5
	3/31/94	4.18	3.25	0	8015/8020	<50	---	---	0.5	<0.5	<0.5	0.8
	7/14/94	**4.90**	**2.53**	**0**	**8015/8020**	**<50[2]**	**---**	**---**	**<0.5**	**<0.5**	**<0.5**	**0.6**
MW-3/ 8.07	8/21/91	7.10	0.97	0	8015/8020	<50	---	---	<0.5	<0.5	<0.5	<0.5
	1/9/92	5.03	3.04	0	8015/8020/503E	<50	---	<5,000	<0.5	<0.5	<0.5	<0.5
	4/20/92	4.91	3.16	0	8015/8020	<50	---	---	<0.5	<0.5	<0.5	<0.5
	7/25/92	5.34	2.73	0	8015/8020	<50	---	---	1.0	1.0	1.0	3.4
	11/24/92	5.00	3.07	0	8015/8020	<50	---	---	<0.5	<0.5	<0.5	<0.5
	1/21/93	4.34	3.73	0	8025/8020	<50	---	---	<0.5	0.5	<0.5	1.0
	4/13/93	4.84	3.23	0	8015/8020	<50	---	---	<0.5	<0.5	<0.5	0.6
	7/14/93	5.29	2.78	0	8015/8020	<50	---	---	<0.5	<0.5	<0.5	2
	10/26/93	5.36	2.71	0	8015/8020	<50	---	---	<0.5	<0.5	<0.5	<0.5
	1/11/94	5.22	2.85	0	8015/8020	<50	---	---	<0.5	1	<0.5	<0.5

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Table 1. Water Level Data and Ground Water Analytic Results - Chevron Service Station #96607, 2340 Otis Drive, Alameda, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G)	TPH(D)	O&G	B	T	E	X
						<--------			ppb			-------->
MW-3 (cont)	3/31/94	4.99	3.08	0	8015/8020	<50	---	---	<0.5	<0.5	<0.5	<0.5
	7/14/94	**5.36**	**2.71**	**0**	**8015/8020**	**<50**	**---**	**---**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
MW-4/ 7.85	8/21/91	6.85	1.00	0	8015/8020/503E	<50	---	<5,000	0.6	<0.5	<0.5	<0.5
	1/9/92	4.70	3.15	0	8015/8020/503E	<50	---	<5,000	<0.5	<0.5	<0.5	<0.5
	4/20/92	4.64	3.21	0	8015/8020/503E	<50	---	<5,000	<0.5	<0.5	<0.5	<0.5
	7/25/92	4.95	2.90	0	8015/8020	<50	78	---	0.5	1.1	<0.5	0.8
	11/24/92	5.42	2.43	0	8015/8020/503E	<50	---	<5,000	<0.5	<0.5	<0.5	1.0
	1/21/93	4.07	3.78	0	8015/8020	<50	<10	---	<0.5	0.5	<0.5	0.7
	4/13/93	4.45	3.40	0	8015/8020	<50	<10	---	<0.5	<0.5	<0.5	1.0
	7/14/93	4.90	2.95	0	8015/8020	<50	---	---	<0.5	<0.5	<0.5	<0.5
	10/26/93	4.95	2.90	0	8015/8020	<50[2]	---	---	2	3	2	3
	1/11/94	4.77	3.08	0	8015/8020	<50	---	---	<0.5	0.5	<0.5	<0.5
	3/31/94	4.65	3.20	0	8015/8020	<50	---	---	<0.5	<0.5	<0.5	1.0
	7/14/94	**5.05**	**2.80**	**0**	**8015/8020**	**<50**	**---**	**---**	**0.9**	**1.2**	**<0.5**	**2.0**
Trip/Lab Blank												
TB-LB	1/21/93	---	---	---	8015/8020	<50	---	---	<0.5	<0.5	<0.5	<0.5
	4/13/93	---	---	---	8015/8020	<50	---	---	<0.5	<0.5	<0.5	<0.5
	7/14/93	---	---	---	8015/8020	<50	---	---	<0.5	<0.5	<0.5	<0.5
	10/26/93	---	---	---	8015/8020	<50	---	---	<0.5	<0.5	<0.5	<0.5
	1/11/94	---	---	---	8015/8020	<50	---	---	<0.5	<0.5	<0.5	<0.5
	3/31/94	---	---	---	8015/8020	<50	---	---	<0.5	<0.5	<0.5	<0.5
	7/14/94	**---**	**---**	**---**	**8015/8020**	**<50**	**---**	**---**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
Bailer Blank												
BB	1/21/93	---	---	---	8015/8020	<50	---	---	<0.5	<0.5	<0.5	<0.5
	4/13/93	---	---	---	8015/8020	<50	---	---	<0.5	<0.5	<0.5	<0.5
	7/14/93	---	---	---	8015/8020	<50	---	---	<0.5	<0.5	<0.5	<0.5
	10/26/93	---	---	---	8015/8020	<50	---	---	<0.5	<0.5	<0.5	<0.5
	1/11/94	---	---	---	8015/8020	<50	---	---	<0.5	<0.5	<0.5	<0.5
	3/31/94	---	---	---	8015/8020	<50	---	---	<0.5	<0.5	<0.5	<0.5

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Table 1. Water Level Data and Ground Water Analytic Results - Chevron Service Station #96607, 2340 Otis Drive, Alameda, California (continued)

EXPLANATION:

DTW = Depth to water
GWE = Ground water elevation
msl = Measurements referenced relative to mean sea level
TPPH(G) = Total Purgeable Petroleum Hydrocarbons as Gasoline
TPH(D) = Total Petroleum Hydrocarbons as Diesel
O&G = Oil and Grease
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
ppb = Parts per billion
--- = Not analyzed/Not applicable

ANALYTIC METHODS:

8015 = EPA Method 8015/5030 for TPPH(G)
8015 = Modified EPA Method 8015/3510 for TPH(D)
8020 = EPA Method 8020 for BTEX
503E = Standard Methods Method 503E for O&G

NOTES:

Top of casing elevations were compiled from the Quarterly Ground Water Monitoring Report prepared for Chevron by Geraghty & Miller, Inc., December 29, 1992.

Analytic data prior to January 2, 1993 compiled from the Quarterly Ground Water Monitoring Report prepared for Chevron by Geraghty & Miller, Inc., December 29, 1992.

* Product thickness was measured with an MMC flexi-dip interface probe on and after January 21, 1993.

1 Chromatogram reported as having a single peak in the gasoline range.

2 Uncategorized compound is not included in gasoline hydrocarbon total.

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SES STANDARD OPERATING PROCEDURE
GROUND WATER SAMPLING

The following describes sampling procedures used by SES field personnel to collect and handle ground water samples. Before samples are collected, careful consideration is given to the type of analysis to be performed so that precautions are taken to prevent loss of volatile components or contamination of the sample, and to preserve the sample for subsequent analysis. Wells will be sampled no less than 24 hours after well development. Collection methods specific to ground water sampling are presented below.

Prior to sampling, each well is checked for the presence of free-phase hydrocarbons using an MMC flexi-dip interface probe. Product thickness (measured to the nearest 0.01 foot) is noted on the sampling form. Water level measurements are also made using either a water level meter or the interface probe. The water level measurements are also noted on the sampling form.

Prior to sampling, each well is purged of a minimum of three well casing volumes of water using a steam-cleaned PVC bailer, or a pre-cleaned pump. Temperature, pH and electrical conductivity are measured at least three times during purging. Purging is continued until these parameters have stabilized (i.e., changes in temperature, pH or conductivity do not exceed ±0.5°F, 0.1 or 5%, respectively).

The purge water is taken to Chevron's Richmond Refinery for disposal.

Ground water samples are collected from the wells with Chevron designated disposable bailers. The water samples are decanted into the appropriate container for the analysis to be performed. Pre-preserved sample containers may be used or the analytic laboratory may add preservative to the sample upon arrival. Duplicate samples are collected from each well as a back-up sample and/or to provide quality control. The samples are labeled to include the project number, sample ID, date, preservative, and the field person's initials. The samples are placed in polyethylene bags and in an ice chest (maintained at 4°C) for transport under chain of custody to the laboratory.

The chain of custody form includes the project number, analysis requested, sample ID, date analysis and the SES field person's name. The form is signed and dated (with the transfer time) by each person who yields or receives the samples beginning with the field personnel and ending with the laboratory personnel.

A trip blank accompanies each sampling set, or 5% trip blanks are included for sets of greater than 20 samples. The trip blank is analyzed for some or all of the same compounds as the ground water samples.

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WATER SAMPLING DATA

Job Name 2340 Old Dr, Hayward Job Number 1-292-04 Sampler L.C

Well Number MW-1 Date 07/14/94 Well Diameter 4"

Sample Point Location/Description _____ Well Depth (spec.) _____

Depth to Water (static) 3.00 Well Depth (sounded) 22.9

Initial height of water in casing 19.9 Volume 12.9 gallons

Volume to be purged 39 gallons

Purged With Sub. pump Sampled With disp. bailer

Pumped or Bailed Dry? ___ Yes ___ No Time ____ After _____ gallons

Water level at sampling _____ Percent Recovery _____

Formulas/Conversions
r = well radius in ft
h = ht of water col. in ft
vol. in cyl. = $\pi r^2 h$
7.48 gal/ft³
V_2" casing = 0.163 gal/ft
V_3" casing = 0.367 gal/ft
V_4" casing = 0.653 gal/ft
$V_{4.5}$" casing = 0.826 gal/ft
V_6" casing = 1.47 gal/ft
V_8" casing = 2.61 gal/ft

CHEMICAL DATA

Purge Time		Purge Volume (gal.)	Cumulative (gal.)	pH	Temp (°C)	Specific Conductance	
Start	Stop					Measurement	x umhos/cm
11.20	11.25	10	10	8.67	72.2	230	
	11.30	10	20	8.50	70.21	165	
	11.35	19	39	8.54	69.3	146	

SAMPLES COLLECTED Time 11.45 Total volume purged (gal.) 39

Water color Very Dark Odor No odor

Description of sediments or material in sample: None

Additional Comments: _____

Sample ID	# of Cont.	Container Type	Filtered (size, u)	Preservative (type)	Refrig. (Y/N)	Lab (Init)	Analysis Requested
MW-1	3	1	—	HCL	Y	CTEL	8020/BTEX

Container Type Codes: 1 = 40 ml clear VOA/Teflon septa; 2 = Brown glass/teflon lined cap (specify size); 3 = Clear glass/teflon lined cap (specify size); 4 = Polyethylene/polyethylene cap (specify size); 5 = Other _____; 6 = Other _____

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WATER SAMPLING DATA

Job Name 2340 Otis dr, Alameda Job Number 1-292-04 Sampler L.C

Well Number MW-2 Date 07/14/94 Well Diameter 4"

Sample Point Location/Description _____ Well Depth (spec.) _____

Depth to Water (static) 4.9 Well Depth (sounded) 23.1

Initial height of water in casing 18 Volume 11.8 gallons

Volume to be purged 35 gallons

Purged With Sub. pump Sampled With disp. bailer

Pumped or Bailed Dry? ___ Yes ___ No Time ____ After _____ gallons

Water level at sampling _____ Percent Recovery _____

Formulas/Conversions
r = well radius in ft
h = ht of water col. in ft
vol. in cyl. = $\pi r^2 h$
7.48 gal/ft³
V_2" casing = 0.163 gal/ft
V_3" casing = 0.367 gal/ft
V_4" casing = 0.653 gal/ft
$V_{4.5}$" casing = 0.826 gal/ft
V_6" casing = 1.47 gal/ft
V_8" casing = 2.61 gal/ft

CHEMICAL DATA

Purge Time		Purge Volume (gal.)	Cumulative (gal.)	pH	Temp (°C)	Specific Conductance	
Start	Stop					Measurement	x umhos/cm
13:10	13:15	10	10	9.20	77.3	925	
	13:20	10	20	8.20	77.5	520	
	13:30	15	35	7.72	80.4	630	

SAMPLES COLLECTED Time 13:35 Total volume purged (gal.) 35

Water color Clear Odor None

Description of sediments or material in sample: None

Additional Comments: _____

Sample ID	# of Cont.	Container Type	Filtered (size, u)	Preservative (type)	Refrig. (Y/N)	Lab (Init)	Analysis Requested
MW-2	3	1	—	HCL	Y	GTEL	G/BTEX

Container Type Codes: 1 = 40 ml clear VOA/Teflon septa; 2 = Brown glass/teflon lined cap (specify size); 3 = Clear glass/teflon lined cap (specify size); 4 = Polyethylene/polyethylene cap (specify size); 5 = Other _____; 6 = Other _____

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WATER SAMPLING DATA

Job Name 2340 Otis dr, Alameda Job Number 1-292-04 Sampler L.C

Well Number MW-3 Date 07/14/04 Well Diameter 4"

Sample Point Location/Description _____ Well Depth (spec.) _____

Depth to Water (static) 5.36 Well Depth (sounded) 23.3

Initial height of water in casing 17.94 Volume 11.7 gallons

Volume to be purged 35 gallons

Purged With Sub. pump Sampled With disp. bailer

Pumped or Bailed Dry? ___ Yes ___ No Time ____ After _____ gallons

Water level at sampling _____ Percent Recovery _____

Formulas/Conversions
r = well radius in ft
h = ht of water col. in ft
vol. in cyl. = $\pi r^2 h$
7.48 gal/ft³
V_2" casing = 0.163 gal/ft
V_3" casing = 0.367 gal/ft
V_4" casing = 0.653 gal/ft
$V_{4.5}$" casing = 0.826 gal/ft
V_6" casing = 1.47 gal/ft
V_8" casing = 2.61 gal/ft

CHEMICAL DATA

Purge Time		Purge Volume (gal.)	Cumulative (gal.)	pH	Temp (°C)	Specific Conductance	
Start	Stop					Measurement	x umhos/cm
12.35	12.40	10	10	7.12	76.8	147	
	12.45	10	20	8.10	75.8	138	
	12.53	15	35	8.00	74.5	133	

SAMPLES COLLECTED Time 13.00 Total volume purged (gal.) 35

Water color Clear Odor None

Description of sediments or material in sample: — None

Additional Comments: _____

Sample ID	# of Cont.	Container Type	Filtered (size, u)	Preservative (type)	Refrig. (Y/N)	Lab (Init)	Analysis Requested
MW-3	3	1	—	HCL	Y	STL	G/BTEX

Container Type Codes: 1 = 40 ml clear VOA/Teflon septa; 2 = Brown glass/teflon lined cap (specify size); 3 = Clear glass/teflon lined cap (specify size); 4 = Polyethylene/polyethylene cap (specify size); 5 = Other _____; 6 = Other _____

SIERRA

WATER SAMPLING DATA

Job Name 2340 Otis dr, Alameda Job Number 1-292-04 Sampler L.C

Well Number MW-4 Date 07/14/94 Well Diameter 4"

Sample Point Location/Description _____ Well Depth (spec.) _____

Depth to Water (static) 5.0 Well Depth (sounded) 20

Initial height of water in casing 15 Volume 9.79 gallons

Volume to be purged 29 gallons

Purged With Sub. pump Sampled With disp. bailer

Pumped or Bailed Dry? ___ Yes ___ No Time ____ After _____ gallons

Water level at sampling _____ Percent Recovery _____

Formulas/Conversions
r = well radius in ft
h = ht of water col. in ft
vol. in cyl. = $\pi r^2 h$
7.48 gal/ft³
V_2" casing = 0.163 gal/ft
V_3" casing = 0.367 gal/ft
V_4" casing = 0.653 gal/ft
$V_{4.5}$" casing = 0.826 gal/ft
V_6" casing = 1.47 gal/ft
V_8" casing = 2.61 gal/ft

CHEMICAL DATA

Purge Time		Purge Volume (gal.)	Cumulative (gal.)	pH	Temp (°C)	Specific Conductance	
Start	Stop					Measurement	x umhos/cm
12.00	12.05	10	10	8.06	75.2	168	
	12.10	10	20	7.59	72.0	177	
	12.15	10	30	7.56	74.3	176	

SAMPLES COLLECTED Time 12.20 Total volume purged (gal.) 29

Water color Clear Odor None

Description of sediments or material in sample: None

Additional Comments: _____

Sample ID	# of Cont.	Container Type	Filtered (size, u)	Preservative (type)	Refrig. (Y/N)	Lab (Init)	Analysis Requested
MW-4	3	1	—	HCL	Y	GTEL	G/BTEX

Container Type Codes: 1 = 40 ml clear VOA/Teflon septa; 2 = Brown glass/teflon lined cap (specify size); 3 = Clear glass/teflon lined cap (specify size); 4 = Polyethylene/polyethylene cap (specify size); 5 = Other _____; 6 = Other _____

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12.10 - 12.25

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

Western Region
4080 Pike Lane, Suite C
Concord, CA 94520
(510) 685-7852
(800) 544-3422 Inside CA
FAX (510) 825-0720

July 17, 1994

Ed Morales
Sierra Environmental Services
P.O. 2546
Martinez, CA 94553

RE: GTEL Client ID: SIE01CHV08
Login Number: C4070220
Project ID (number): SIE01CHV08
Project ID (name): CHEVRON/#9-6607, Alameda, CA

Dear Ed Morales:

Enclosed please find the analytical results for the samples received by GTEL Environmental Laboratories, Inc. on 07/14/94.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria unless otherwise stated in the footnotes.

GTEL is certified by the Department of Health Service under Certification Number E1075.

If you have any questions regarding this analysis, or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,
GTEL Environmental Laboratories, Inc.

Rashmi Shah
Laboratory Director

Bill Seyoboo 685-7852

GTEL Client ID: SIE01CHV08
Login Number: C4070220
Project ID (number): SIE01CHV08
Project ID (name): CHEVRON/#9-6607, Alameda, CA

ANALYTICAL RESULTS

Volatile Organics
Method: EPA 8020
Matrix: Aqueous

GTEL Sample Number	C4070220-01	C4070220-02	C4070220-03	C4070220-04
Client ID	TB/LB	MW-1	MW-2	MW-3
Date Sampled	07/14/94	07/14/94	07/14/94	07/14/94
Date Analyzed	07/16/94	07/16/94	07/16/94	07/16/94
Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting Limit	Units	Concentration:			
Benzene	0.5	ug/L	< 0.5	< 0.5	< 0.5	< 0.5
Toluene	0.5	ug/L	< 0.5	< 0.5	< 0.5	< 0.5
Ethylbenzene	0.5	ug/L	< 0.5	< 0.5	< 0.5	< 0.5
Xylenes (total)	0.5	ug/L	< 0.5	< 0.5	0.6	< 0.5
TPH as GAS	50.	ug/L	< 50.	< 50.	< 50.	< 50.
BFB (Surrogate)	--	%	93.1	93.3	93.5	93.1

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020:

"Test Methods for Evaluating Solid Waste, Physical and Chemical Methods, SW-846", Third Edition, Revision 1, US EPA November 1986. Bromofluorobenzene surrogate recovery acceptability limits are 62-129%. Gasoline range hydrocarbons (TPH) quantitated by GC/FID with purge and trap.

C4070220-02:

Uncategorized compound is not included in gasoline concentration.

C4070220-03:

Uncategorized compound is not included in gasoline concentration.

used as "marker" for determining age of spill
~~8240~~

MTBE
Methyl Tert Ether
'86 '87 on
Newer gas.

High levels
100 to 1,000 ppb
(drought)

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ANALYTICAL RESULTS

Volatile Organics
Method: EPA 8020
Matrix: Aqueous

GTEL Sample Number	C4070220-05	--	--	--
Client ID	MW-4	--	--	--
Date Sampled	07/14/94	--	--	--
Date Analyzed	07/16/94	--	--	--
Dilution Factor	1.00	--	--	--

Analyte	Reporting Limit	Units	Concentration:			
Benzene	0.5	ug/L	0.9	--	--	--
Toluene	0.5	ug/L	1.2	--	--	--
Ethylbenzene	0.5	ug/L	< 0.5	--	--	--
Xylenes (total)	0.5	ug/L	2.0	--	--	--
TPH as GAS	50.	ug/L	< 50.	--	--	--
BFB (Surrogate)	--	%	91.8	--	--	--

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020:

"Test Methods for Evaluating Solid Waste, Physical and Chemical Methods, SW-846", Third Edition, Revision 1, US EPA November 1986. Bromofluorobenzene surrogate recovery acceptability limits are 62-129%. Gasoline range hydrocarbons (TPH) quantitated by GC/FID with purge and trap.

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QUALITY CONTROL RESULTS

Volatile Organics
Method: EPA 8020
Matrix: Aqueous

Matrix Spike and Matrix Spike Duplicate Results

Analyte	Original Concentration	Spike Amount	Matrix Spike Concentration	Matrix Spike Recovery, %	Matrix Spike Duplicate Concentration	Matrix Spike Duplicate Recovery, %	RPD, %	Acceptability Limits RPD, %	Acceptability Limits Recovery, %
EPA 8020	GTEL Sample ID:C4070220-02		Spike ID:Q071694-3		Dup. ID:Q071694-4				
Units: ug/L	Analysis Date:16-JUL-94		16-JUL-94		17-JUL-94		Client ID:MW-1		
Benzene	< 0.50	20.0	17.9	89.0	18.1	90.0	1.1	34	57.3-138%
Toluene	< 0.50 **	20.0	17.5	87.5	17.8	89.0	1.7	31	63-134%
Ethylbenzene	< 0.50	20.0	18.0	89.7	18.2	90.7	1.1	38	59.3-137%
Xylenes (Total)	< 0.50	60.0	52.3	86.6	52.4	86.7	0.1	31	59.3-144%

Notes:

**: C4070220-02: Toluene: For data validation purposes an estimated concentration of 0.208, which is below the reporting limit, was used to calculate the spike recovery results.

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QUALITY CONTROL RESULTS

Volatile Organics
Method: EPA 8020
Matrix: Aqueous

Method Blank Results

QC Batch No: Q071694-1
Date Analyzed: 16-JUL-94

Analyte	Method:EPA 8020 Concentration: ug/L
Benzene	< 0.30
Toluene	< 0.30
Ethylbenzene	< 0.30
Xylenes (Total)	< 0.50
TPH as Gasoline	< 10.0

Notes:

GTEL ENVIRONMENTAL LABORATORIES, INC.

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

Chain-of-Custody-Record

Chevron U.S.A. Inc.
P.O. BOX 5004
San Ramon, CA 94583
FAX (415)842-9591

Chevron Facility Number: 9-6607
Facility Address: 2340 6th Ave, Alameda
Consultant Project Number: 1-292-04 /
Consultant Name: Sierra Environmental Services
Address: P.O. Box 2546, Martinez, CA 94553
Project Contact (Name): Ed Morales
(Phone) 510-370-1280 (Fax Number) 510-370-7959

Chevron Contact (Name): Lisa Kaun
(Phone): 842-8752
Laboratory Name: GTEL
Laboratory Release Number: 861711 (GTEL)
Samples Collected by (Name): L.C
Collection Date: 07/14/94
Signature: L. Clemente

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd, Cr, Pb, Zn, Ni (ICAP or AA)					
TB/LB	01	2	W	G	9:00	HCL	Y	V												
MW-1	02	3			11:45			V												
MW-2	03				13:35			V												
MW-3	04				13:00			V												
MW-4	05	↓	↓	↓	12:20	↓	↓	V												

Analyses To Be Performed.

Note:
Do Not Bill
TB-LB Samples
(40) - in fact

Remarks
Analyze

C4070220

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Turn Around Time (Circle Choice)
L. Clemente	SES	7-14-94 15 30	John Weber	GTEL	7-14-94 15.30	24 Hrs.
John Weber	GTEL	7-14-94 16 00	Received By (Signature)	Organization	Date/Time	48 Hrs.
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time 1600	5 Days
			Kevin Molander		7-14-94	10 Days
						As Contracted

JG