Chevron

Chevron

Chevron U.S.A. Products Company
6001 Bollinger Canyon Road
Building L
San Ramon, CA 94583
P.O. Box 5004
San Ramon, CA 94583-0804

Marketing – Northwest Region
Phone 510 842 9500

September 23, 1994

Ms. Susan Hugo
Alameda County Health Care Services
1131 Harbor Bay Pkwy, 2nd Flr.
Alameda, CA 94502-6577

Re: Chevron Service Station No. 9-0329
340 Highland Avenue, Piedmont, California

Dear Ms. Hugo :

Based on our conversation at Alameda County Environmental Health on August 19, 1994 at approximately 9:04 am, you approved the destruction of monitoring well MW-6 that was installed by RESNA. RESNA will be destroying the well by pressure grouting the well after the casing is destroyed. RESNA will inform your office of the day and time when the well will be destroyed. If you do not approve the destruction of the well or method of destruction, please inform me with a written letter or a phone call. My phone number is (510) 842-8752.

Sincerely,

Chevron U.S.A. Products Co.

Kenneth Kan
Engineer

LKAN/MacFile 9-0329R17

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

Attn. Frank Hoffman, Hoffman Investment Company
1760 Willow Road, Hillsborough, CA 94010

Mir Ghafari, Chevron Service Station
340 Highlands Ave., Piedmont, CA 94611

Ms. Patsy Tarabini, Chevron U.S.A. Products Co.

Ms. Bette Owen, Chevron U.S.A. Products Co.

Mr. Justin Power, RESNA
73 Digital Dr., Novato, CA 94949

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94 DEC -7 PM 4:

Chevron U.S.A. Products Company
6001 Bollinger Canyon Rd., Bldg. L
P.O. Box 5004
San Ramon, CA 94583-0804

Site Assessment & Remediation Group
Phone (510) 842-9500

December 5, 1994

Ms. Susan Hugo
Alameda County Health Care Services
1131 Harbor Bay Pkwy, 2nd Flr.
Alameda, CA 94502-6577

Re: Chevron Service Station No. 9-0329
340 Highland Avenue, Piedmont, California

Dear Ms. Hugo :

Enclosed is the latest monitoring and sampling report from Sierra Environmental Services dated December 5, 1994. Please refer to the enclosed report for the latest information on the groundwater. Please note that the detection of toluene in wells C-2 and C-3 is probably anomaly.

Sincerely,

Chevron U.S.A. Products Co.

Kenneth Kan
Engineer

LKAN/MacFile 9-0329R17

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

Attn. Frank Hoffman, Hoffman Investment Company
1760 Willow Road, Hillsborough, CA 94010

Mir Ghafari, Chevron Service Station
340 Highlands Ave., Piedmont, CA 94611

Ms. Patsy Tarabini, Chevron U.S.A. Products Co.

Ms. Bette Owen, Chevron U.S.A. Products Co.

SIERRA
Environmental Services

December 5, 1994

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

Re: Chevron Service Station #9-0329
340 Highland Avenue
Piedmont, California
SES Project #1-294-04

Dear Mr. Kan:

This report presents the results of the quarterly ground water sampling at Chevron Service Station #9-0329, located at 340 Highland Avenue in Piedmont, California. Three wells, C-2, C-3 and C-4 were sampled (Figure 1).

On November 11, 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 November 11, 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

Richard (Rick) E. Hilton
Staff Environmental Scientist

Chris J. Bramer
Professional Engineer #C48846

REH/CJB/lmo
29404QM.DE4

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

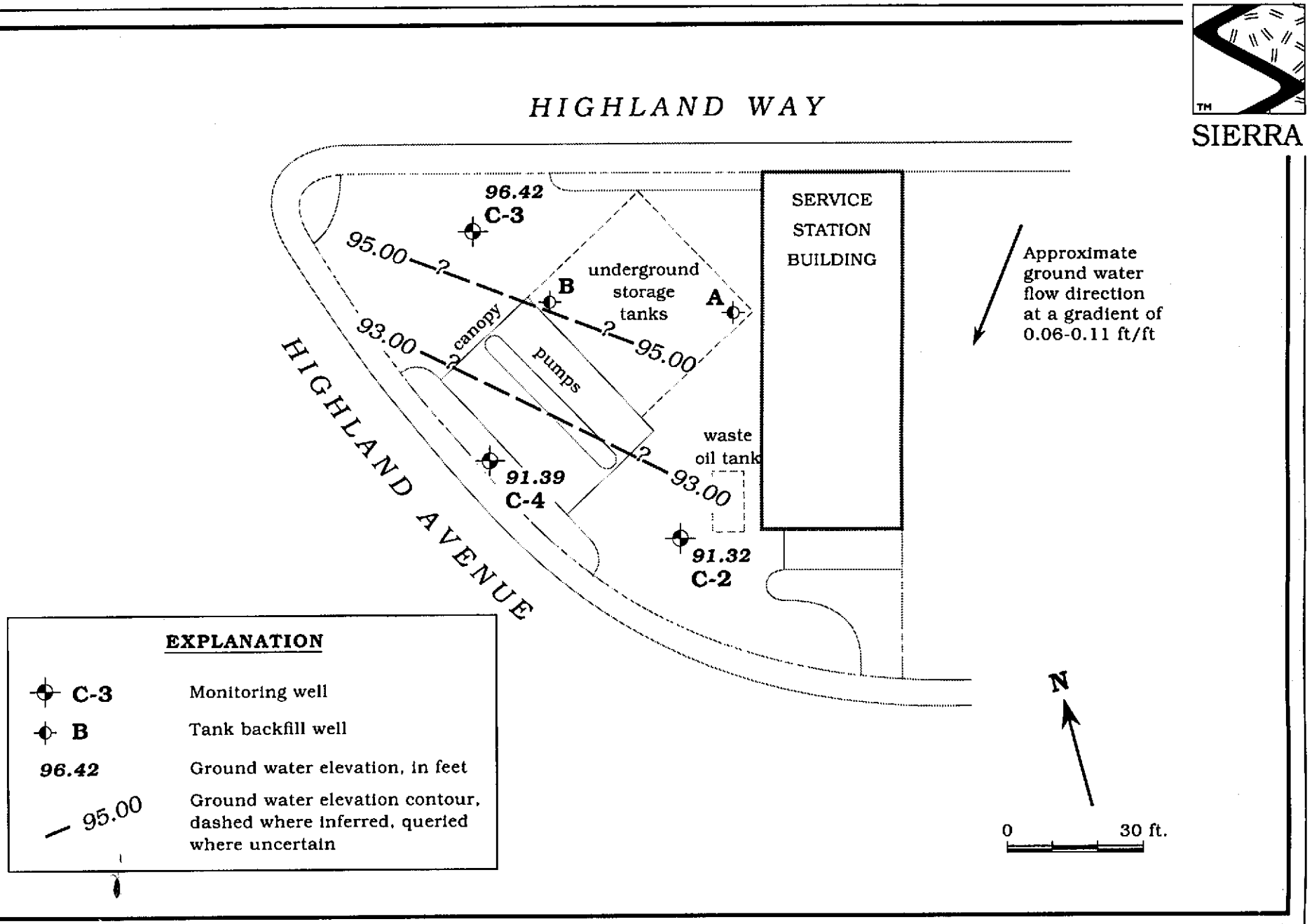

Figure 1. Monitoring Well Locations and Ground Water Elevation Contour Map - November 11, 1994 - Chevron Service Station #9-0329, 340 Highland Avenue, Piedmont, California

1-294-04 11/28/94

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Table 1. Water Level Data and Ground Water Analytic Results - Chevron Service Station #9-0329, 340 Highland Avenue, Piedmont, California

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G)	B	T	E	X
						<----------ppb---------->				
C-2/ 94.19	8/7/89	2.88	91.33	0	NS	34,000	580	60	170	270
	11/15/89	2.80	91.39	0	NS	8,100	500	36	420	180
	2/1/91	3.75	90.41	0	NS	6,800	490	21	310	86
	4/16/91	2.55	91.64	0	NS	9,600	810	43	550	270
	10/16/91	3.52	90.67	0	NS	7,100	320	23	200	60
	1/8/92	4.15	90.04	SHEEN	NS	2,400	190	9	83	22
	4/10/92	2.96	91.23	SHEEN	NS	6,600	550	33	340	170
	7/14/92	2.83	91.36	SHEEN	NS	9,000	680	330	580	690
	10/5/92	4.38	89.81	0	NS	5,500	250	17	130	82
	1/6/93	3.94	90.25	0	8015/8020	5,500	190	32	41	54
	3/29/93	2.09	92.10	0	8015/8020	19,000	670	40	180	370
	7/2/93	2.09	92.10	0	8015/8020	8,000[2]	1,100	41	420	500
	10/11/93	2.76	91.43	0	8015/8020	42,000	940	34	140	87
	1/10/94	4.82	89.37	0	8015/8020	12,000[2]	770	20	220	74
	4/6/94	2.49	91.70	0	8015/8020	40,000	820	33	190	110
	7/6/94	2.47	91.72	0	8015/8020	8,800	870	28	140	95
	11/11/94	**2.87**	**91.32**	**0**	**8015/8020**	**8,600[2]**	**460**	**81**	**180**	**120**
C-3/ 97.65	8/7/89	4.29	93.36	0	NS	<50	<0.5	<1	<1	<3
	11/15/89	5.17	92.48	0	NS	<500	<0.5	2.8	<0.5	1.1
	2/1/91	6.38	91.27	0	NS	<50	<0.5	<0.5	<0.5	<0.5
	4/16/91	3.72	93.93	0	NS	<50	<0.5	<0.5	<0.5	<0.5
	10/16/91	8.20	89.45	0	NS	<50	<0.5	<0.5	<0.5	<0.5
	1/8/92	6.68	90.97	0	NS	<50	<0.5	<0.5	<0.5	<0.5
	4/10/92	4.50	93.15	0	NS	<50	<0.5	<0.5	<0.5	<0.5
	7/14/92	6.21	91.44	0	NS	<50	<0.5	<0.5	<0.5	<0.5
	10/5/92	9.31	88.34	0	NS	<50	<0.5	<0.5	<0.5	<0.5
	1/6/93	3.41	94.24	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	3/29/93	0.50	97.15	0	8015/8020	<50	<0.5	<0.5	<0.5	0.8
	7/2/93	2.59	95.06	0	8015/8020	<50	4	3	<0.5	3
	10/11/93	4.90	92.75	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	1/10/94	4.39	93.26	0	8015/8020	<50	<0.5	1	<0.5	0.8
	4/6/94	2.68	94.97	0	8015/8020	<50	<0.5	1.0	0.7	4.5
	7/6/94	2.10	95.55	0	8015/8020	<50	2.2	4.1	<0.5	2.8
	11/11/94	**1.23**	**96.42**	**0**	**8015/8020**	**<50**	**<0.5**	**0.8**	**<0.5**	**<0.5**
C-4/ 95.60	8/7/89	DRY	---	---	NS	---	---	---	---	---
	11/15/89	4.95	90.65	0	NS	1,300	2.9	310	0.5	2.9

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Table 1. Water Level Data and Ground Water Analytic Results - Chevron Service Station #9-0329, 340 Highland Avenue, Piedmont, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G)	B	T	E	X
						<----------ppb---------->				
C-4	2/1/91	4.78	90.82	0	NS	72	9	<0.5	<0.5	<0.5
(cont)	4/16/91	4.83	95.60	0	NS	<50	<0.5	<0.5	<0.5	<0.5
	10/16/91	4.23	91.37	0	NS	<50	<0.5	<0.5	<0.5	<0.5
	1/8/92	4.81	90.79	0	NS	<50	<0.5	<0.5	<0.5	<0.5
	4/10/92	4.26	91.34	0	NS	<50	<0.5	<0.5	<0.5	<0.5
	7/14/92	4.28	91.32	0	NS	<50	<0.5	3.8	<0.5	<0.5
	10/5/92	4.29	91.31	0	NS	<50	<0.5	<0.5	<0.5	<0.5
	1/6/93	4.29	91.31	0	8015/8020	<50	0.7	<0.5	<0.5	<0.5
	3/29/93	4.30	91.30	0	8015/8020	<50	0.5	1	<0.5	2
	7/2/93	4.22	91.38	0	8015/8020	<50[2]	<0.5	<0.5	<0.5	<0.5
	10/11/93	4.30	91.30	0	8015/8020	<50	0.6	<0.5	<0.5	<0.5
	1/10/94	4.44	91.16	0	8015/8020	<50	0.7	3	<0.5	1
	4/6/94	4.24	91.36	0	8015/8020	130	2.2	5.4	3.3	24
	7/6/94	4.24	91.36	0	8015/8020	99	5.9	7.5	2.0	12
	11/11/94	**4.21**	**91.39**	**0**	**8015/8020**	**<50**	**<0.5**	**9.5**	**<0.5**	**<0.5**
A[1]/	8/7/89	2.10	---	0.0	NS	1,000	50	6	5	22
---	11/15/89	2.04	---	0.0	NS	3,700	98	2.1	4.3	55
	2/1/91	3.05	---	0.0	NS	36,000	1,100	750	130	6,100
	4/16/91	2.01	---	0.0	NS	8,000	370	6	86	750
	10/16/91	4.15	---	0.0	NS	---	---	---	---	---
B[1]/	8/7/89	4.12	---	0.0	NS	---	---	---	---	---
---	11/15/89	---	---	---	NS	---	---	---	---	---
	2/1/91	5.03	---	0.0	NS	---	---	---	---	---
	4/16/91	4.00	---	0.0	NS	---	---	---	---	---
	10/16/91	6.24	---	0.0	NS	---	---	---	---	---
Trip Blank	1/6/93	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
TB-LB	3/29/93	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	1
	7/2/93	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	10/11/93	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	1/10/94	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	4/6/94	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	7/6/94	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	11/11/94	**---**	**---**	**---**	**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 #9-0329, 340 Highland Avenue, Piedmont, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G)	B	T	E	X
						<----------ppb---------->				
Bailer Blank (BB)	1/6/93	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	3/29/93	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	7/2/93	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	10/11/93	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	1/10/94	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	4/6/94	---	---	---	8015/8020	<50	<0.5	0.7	<0.5	0.6

EXPLANATION:

TPPH(G) = Total Purgeable Petroleum Hydrocarbons as Gasoline
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
ppb = Parts per billion
--- = Not analyzed/Not applicable
NS = Not stated

ANALYTIC METHODS:

8015 = EPA Method 8015/5030 for TPPH(G)
8020 = EPA Method 8020 for BTEX

NOTES:

Analytic data and ground water elevation data prior to January 6, 1993 compiled from the Quarterly Groundwater Monitoring Report prepared for Chevron by Groundwater Technology, Inc., December 2, 1992.

[1] Tank backfill wells.
[2] Laboratory reports that an uncategorized compound is not included in the 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 PIEDMONT | Job Number 1.294.04 | Sampler D.B.

Well Number C-2 | Date 11.11.94 | Well Diameter 2"

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

Depth to Water (static) 2.87 | Well Depth (sounded) 17

Initial height of water in casing 14.23 | Volume 2.33 gallons

Volume to be purged 7 gallons

Purged With 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 (F)	Specific Conductance	
Start	Stop					Measurement	x umhos/cm
10:22							
	10:24	3	3	6.58	68°	.64	X 1,000
	10:25	2	5	6.61	65°	.62	
	10:26	2	7	6.65	65°	.60	↓

SAMPLES COLLECTED Time 10:35 | Total volume purged (gal.) 7

Water color CLOUDY TAN | Odor STRONG HYDROCARBON

Description of sediments or material in sample: LIGHT SEDIMENT.

Additional Comments: _____

Sample ID	# of Cont.	Container Type	Filtered (size, u)	Preservative (type)	Refrig. (Y/N)	Lab (Init)	Analysis Requested
C-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 PIEDMONT | Job Number 1294 04 | Sampler DB.

Well Number C-3 | Date 11.11.94 | Well Diameter 2"

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

Depth to Water (static) 1.23 | Well Depth (sounded) 16.0

Initial height of water in casing 14.77 | Volume 2.40 gallons

Volume to be purged 7 gallons

Purged With 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 (F)	Specific Conductance	
Start	Stop					Measurement	x umhos/cm
09:09							
	9:11	2	2	7.77	65°	.55	X 1,000
	9:12	2	4	7.61	↓	.49	↓
	9:14	3	7	7.60	↓	.45	↓

SAMPLES COLLECTED Time 9:30 | Total volume purged (gal.) 9

Water color CLEAR | Odor NO

Description of sediments or material in sample: LIGHT SEDIMENT.

Additional Comments: _____

Sample ID	# of Cont.	Container Type	Filtered (size, u)	Preservative (type)	Refrig. (Y/N)	Lab (Init)	Analysis Requested
C-3	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 PIEDMONT | Job Number 1-294.06 | Sampler DB

Well Number C-4 | Date 11.11.94 | Well Diameter 2"

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

Depth to Water (static) 4.21 | Well Depth (sounded) 10.

Initial height of water in casing ~~4.79~~ 5.79 | Volume ~~4.92~~ 5.75 gallons

Volume to be purged 2 ~~5~~ gallons

Purged With DISP. BAILER | Sampled With DISP. BAILER

Pumped or Bailed Dry? ✓ Yes ___ No | Time 10:05 After 2 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 F.	Specific Conductance	
Start	Stop					Measurement	x umhos/cm
9:57							
	1	1	~~3~~	7.15	68	.75	X1,000
	.5	1.5	~~4~~	6.97	"	.77	"
	.5	2	~~5~~	6.81	"	.75	"

SAMPLES COLLECTED Time 10:10 | Total volume purged (gal.) 2

Water color GREY - BLACK | Odor ROTTING VEGATATION

Description of sediments or material in sample: _____

Additional Comments: _____

Sample ID	# of Cont.	Container Type	Filtered (size, u)	Preservative (type)	Refrig. (Y/N)	Lab (Init)	Analysis Requested
C-4	3	1	—	HCl	Y	GTEL	6/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 _____

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

November 18, 1994

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

RE: GTEL Client ID: SIE01CHV08
Login Number: C4110228
Project ID (number): SIE01CHV08
Project ID (name): CHEVRON #0090329, 340 Highland Ave., Piedmont, CA

Dear Mr. Ed Morales:

Enclosed please find the analytical results for the samples received by GTEL Environmental Laboratories, Inc. on 11/11/94.

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

GTEL Client ID: SIE01CHV08
Login Number: C4110228
Project ID (number): SIE01CHV08
Project ID (name): CHEVRON #0090329, 340 Highland Ave., Piedmont, CA

ANALYTICAL RESULTS

Volatile Organics
Method: EPA 8020
Matrix: Aqueous

GTEL Sample Number	C4110228-01	C4110228-02	C4110228-03	C4110228-04
Client ID	TB	C2	C3	C4
Date Sampled	11/11/94	11/11/94	11/11/94	11/11/94
Date Analyzed	11/15/94	11/15/94	11/14/94	11/15/94
Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting Limit	Units	Concentration:			
Benzene	0.5	ug/L	< 0.5	460	< 0.5	< 0.5
Toluene	0.5	ug/L	< 0.5	81.	0.8	9.5
Ethylbenzene	0.5	ug/L	< 0.5	180	< 0.5	< 0.5
Xylenes (total)	0.5	ug/L	< 0.5	120	< 0.5	< 0.5
TPH as GAS	50.	ug/L	< 50.	8600	< 50.	< 50.
BFB (Surrogate)	--	%	93.2	149.	99.1	96.6

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020:

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update 1. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 62-129%. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols, May 1988 revision.

C4110228-02:

Uncategorized compound is not included in gasoline concentration. Data obtained from multiple dilutions. Dilution factor noted represents the dilution used for majority of results.

GTEL ENVIRONMENTAL LABORATORIES, INC.

GTEL Client ID: SIE01CHV08
Login Number: C4110228
Project ID (number): SIE01CHV08
Project ID (name): CHEVRON #0090329, 340 Highland Ave., Piedmont, CA

QUALITY CONTROL RESULTS

Volatile Organics
Method: EPA 8020
Matrix: Aqueous

Method Blank Results

QC Batch No: Q111494-5
Date Analyzed: 14-NOV-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

Notes:

GTEL ENVIRONMENTAL LABORATORIES, INC.

GTEL Client ID: SIE01CHV08 QUALITY CONTROL RESULTS
Login Number: C4110228 Volatile Organics
Project ID (number): SIE01CHV08 Method: EPA 8020
Project ID (name): CHEVRON #0090329, 340 Highland Ave., Piedmont, CA 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:C4110181-09		Spike ID:Q111494-1		Dup. ID:Q111494-2				
Units: ug/L	Analysis Date:12-NOV-94			15-NOV-94		15-NOV-94	Client ID:Batch QC		
Benzene	< 0.50 **	20.0	17.4	87.0	17.4	87.0	0	34	57.3-138%
Toluene	< 0.50	20.0	16.4	82.0	16.4	82.0	0	31	63-134%
Ethylbenzene	< 0.50	20.0	16.6	83.0	16.4	82.0	1.2	38	59.3-137%
Xylenes (Total)	< 0.50	60.0	47.5	79.2	47.9	79.8	0.7	31	59.3-144%

Notes:

**: C4110181-09: Benzene: For data validation purposes an estimated concentration of 0.247, which is below the reporting limit, was used to calculate the spike recovery results.

GTEL ENVIRONMENTAL LABORATORIES, INC.

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

Chain-of-Custody-Recor

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

Chevron Facility Number: 9-0329
Facility Address: 340 HIGHLAND AVE
Consultant Project Number: 1-294-04
Consultant Name: SIERRA ENVIRONMENTAL SERVICES
Address: P.O. BOX 2546 MARTINEZ, CA 94553
Project Contact (Name): ED MORALES
(Phone) 370-1280 (Fax Number) 370-7959

Chevron Contact (Name): KENNETH KAN
(Phone): 842-8752
Laboratory Name: GTEL
Laboratory Release Number: 8618131
Samples Collected by (Name): DAVID BOARDSLEY
Collection Date: 11-11-94
Signature:

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)	Analyses To Be Performed: BTEX + TPH GAS (8020 + 5015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd, Pb, Zn, Ni (TCLP or AA)					Remarks
TB	01	2	W	G	—	HCl	Y	✓												Always
C2	02	3	W	G	10:35	HCl	Y	✓												
C3	03	3	W	G	9:30	HCl	Y	✓												
C-4	04	3	W	G	10:10	HCl	Y	✓						✓	✓					

Note: Do Not Bill TB-LB Sampl

C4110-23

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	SES	11-11-94 1600		GTEL	11-11-94 1600
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	GTEL	11-11-94 16:15			
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time 16:15

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