100 d 16/94



August 9, 1994

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

Marketing Department Phone 510 842 9500

Ms. Eva Chu Alameda County Environmental Health 80 Swan Way, Room 200 Oakland, CA 94621

Re: Former Chevron Service Station No. 9-2621

7667 Amador Valley Blvd., Dublin, CA 94568

Dear Ms. Chu:

Monitoring well MW-5 was the only well that had detectable levels of TPH-G and BTEX. The remaining four wells had traces of toluene and xylene. In addition, one of the remaining wells, MW-3, had detected benzene at the detection limit.

According to Sierra Environmental Services (SES), the "hits" in wells MW-1 through MW-4 could have come from the laboratory because the results from the method blank reveal very low levels of contamination. They also stated the wells may contain hydrocarbons, and they also stated it could be a combination of both. Next quarter's results will provide additional information that will help determine whether this is anomaly or not.

? No. Tripblank Was N.D

Please refer to the enclosed report from SES dated July 22, 1994 for additional information. Please note that the "hits" were also detected in the up-gradient well, and the water table was lower. If you have any questions or comments, please call me at (510) 842-8752.

Sincerely,

Chevron U.S.A. Products Co.

Kenneth Kan Engineer

LKAN/MacFile 9-2621R8

Per Kenn Graves:

(1) if contain, levels at B-10 is shown not to be assoc. w/ release from chevron, then case closure can be considered. Source of street contains will be investigated by our usury.

2) Habrie count be proved a MW another side of street can be installed facts & sampled

cc: Mr. Richard Hiett, RWQCB-S.F.Bay Region for at bast 2 granters.
2101 Webster Street, Suite 500, Oakland, CA 94612

Mr. Jerry Lemm, J. L. Lemm & Associates
5506 Sunol Blvd., Suite 203, Pleasanton, CA 94566-7779

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

## AUG 01'94 K.L.K.

SIERRA

Environmental Services

July 22, 1994

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

Re:

Former Chevron Service Station #9-2621

7667 Amador Valley Boulevard

Dublin, California SES Project #1-380-04

Dear Mr. Kan:

This report presents the results of the quarterly ground water sampling at Former Chevron Service Station #9-2621, located at 7667 Amador Valley Boulevard in Dublin, California. Five wells, MW-1 through MW-5, were sampled (Figure 1).

On June 15, 1994, SES personnel visited the site. Water level measurements were collected in all site 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 June 15, 1994 in accordance with SES Standard Operating Procedure - Ground Water Sampling (attached). The field water sampling forms for this event are inleuded. All analyses were performed by Superior Precision Analytical, Inc. of Martinez, 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.

PROFESSIONAL REFERENCE OF CALIFORNIA TO THE OF CALI

Sincerely, Sierra Environmental Services

Argy Mena Staff Geologist

Chris J. Bramer

Professional Engineer #C48846

AJM/CJB/lo 38004QM.JI.4

cc: Sheldon Nelson, CRTC

Attachments

Figure Table

SES Standard Operating Procedure Field Water Sampling Forms

Chain of Custody Document and Laboratory Analytic Reports

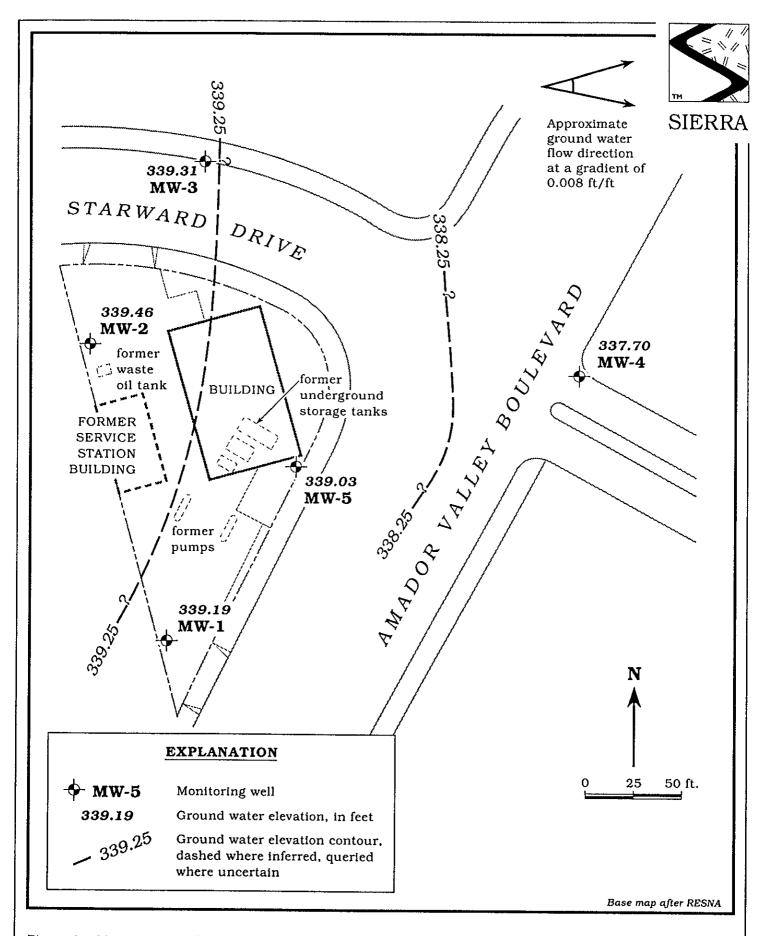


Figure 1. Monitoring Well Locations and Ground Water Elevation Contour Map - June 15, 1994 - Former Chevron Service Station #9-2621, 7667 Amador Valley Boulevard, Dublin, California



Table 1. Water Level Data and Ground Water Analytic Results - Former Chevron Service Station #9-2621, 7667 Amador Valley Boulevard, Dublin, California

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness*	Analytic Method	TPPH(G) <	B	T ppb-	E	X
				(ft)						
MW-1/	9/23/93	6.62	340.11	0	8015/8020	<50	<0.5	<0.5	<0.5	<1.5
346.73	3/11/94	7.16	339.57	0	8015/8020	<50	< 0.5	< 0.5	<0.5	<0.5
	6/15/94	7.54	339.19	0	8015/8020	<50	<0.5	0.8	<0.5	2.0
MW-2/	9/23/93	8.11	340.30	o	8015/8020	<50	<0.5	<0.5	<0.5	<1.5
348.41	3/11/94	8.60	339.70	0	8015/8020	<50	<0.5	<0.5	< 0.5	<0.5
	6/15/94	8.95	339.46	O	8015/8020	<50	0.5	0.7	<0.5	2.2
MW-3/	9/23/93	7.04	340.10	0	8015/8020	<50	<0.5	<0.5	<0.5	<1.5
347.14	3/11/94	7.44	339.70	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	6/15/94	7.83	339.31	0	8015/8020	<50	<0.5	0.6	<0.5	2.0
MW-4/	9/23/93	5.12	338.40	o	8015/8020	<50	<0.5	<0.5	<0.5	<1.5
343.52	3/11/94	5.45	338.07	0	8015/8020	<50	< 0.5	<0.5	<0.5	<0.5
	6/15/94	5.82	337.70	0	8015/8020	<50	<0.5	0.7	<0.5	2.2
MW-5/	3/11/94	6.10	339.41	0	8015/8020	770	1.4	37	5.6	10
345.51	6/15/94	6.48	339.03	0	8015/8020	650	1.5	38	12	5.5
TB-LB	9/23/93				8015/8020	<50	<0.5	<0.5	<0.5	<1.5
	3/11/94				8015/8020	<50	< 0.5	<0.5	<0.5	<0.5
	6/15/94				8015/8020	<50	<0.5	<0.5	<0.5	<0.5



Table 1. Water Level Data and Ground Water Analytic Results - Former Chevron Service Station #9-2621, 7667 Amador Valley Boulevard, Dublin, California (continued)

#### EXPLANATION:

DTW = Depth to water

TOC = Top of casing elevation

GWE = Ground water elevation

msl = Measurements referenced relative to mean sea level

TPPH(G) = Total Purgeable Petroleum Hydrocarbons as Gasoline

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes

ppb = Parts per billion

--- = Not applicable/not available

#### ANALYTIC METHODS:

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

8015 = Modified EPA Method 8015 for TPH(D)

8020 = EPA Method 8020 for BTEX

### NOTES:

 Product thickness was measured on and after June 15, 1994 with an MMC flexi-dip interface probe.

Water level data and groundwater analytic results prior to June 15, 1994 were compiled from the Additional Subsurface Environmental Investigation Report prepared for Chevron by RESNA, April 27, 1994.

38004T.WLG



# 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. Prepreserved 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.



Well Number MW   Date (	Job Name	AMAR	2 Valley B	الم	Job Numbe	1-38	0-04	Sampler <u>k</u>	H
Sample Point Location/Description  Depth to Water (state)  Depth to Water (state)  Total volume 1 765  Sample Point Location/Description  Well Depth (sounded)  Well Depth (sounded)  Fermulas/Conversions  rewell radius in fit  when he divaster col. In five  to gallons  Fermulas/Conversions  rewell radius in fit  when he divaster col. In five  to gallons  Purged With Sub RMP  Sampled With Distreague Boiled.  Pumped or Bailed Dry?  Yes X No  Time After gallons  Percent Recovery  Purge Time Purge Volume (gal.)  Purge Time (gal.)  Purge Time (gal.)  Purge Time (gal.)  Purge Time (gal.)  PH Temp (C)  Measurement x umhos/cm  (G3T)  (G3T)  (G4C)	Well Numb	oer <u> </u>	1W-						
Depth to Water (static) 7.54  Initial height of water in easing 10.46  Volume 1.765  Gallons  Volume to be purged  Purged With Sub Pomp  Pumped or Bailed Dry? Yes X No  Water level at sampling Percent Recovery  Water level at sampling Purge Volume  Start Stop (gal.)  Purge Time Purge Volume (gal.)    1/34 2 2 2 7.42 71 75.76    1/40 2 7 2.85 7.00 1666    1/40 2 7 2.85 7.00 1666    1/40 2 7 2.85 7.00 1666    1/40 2 7 2.85 7.00 1666    1/40 2 7 2.85 7.00 1666    1/40 2 7 2.85 7.00 1666    1/40 2 7 2.85 7.00 1666    1/40 2 7 2.85 7.00 1666    1/40 2 7 2.85 7.00 1666    1/40 3 7 2.85 7.00 1666    1/40 4 7 2.85 7.00 1666    1/40 5 7.82 7.00 1666    1/40 6 7.82 7.00 1666    1/40 6 7.82 7.00 1666    1/40 7.42 7.00 1666    1/40 7.42	Sample Po	int Locati	on/Descriptio	n <u>500</u> -			<del></del>		
Initial height of water in casing 10.4b  Volume 1.765 gallons  Volume to be purged  Volume to be purged  Volume 1.765 gallons  Sampled With Dispessable Pouled  Pumped or Bailed Dry? Yes X No Time After gallons  Water level at sampling Percent Recovery  Pumped at sampling Purge Volume (gal.)  Purge Time Purge Volume (gal.)  Purge Time									P-01/
Volume to be purged  Purged With Sch Pomp  Sampled With Disposable Pailer  Pumped or Bailed Dry? Yes X No Time After gallons  Water level at sampling Percent Recovery  Water level at sampling Percent Recovery  Purge Time Purge Volume (gal.) PH Temp (°C)  Specific Conductance  (Gal.) PH Temp (°C) Measurement x umhos/cm  (Gal.) PH Temp (°C) Measurement x umhos/cm  (Gal.) PH Tomp (°C) Measurement x umhos/cm  (Gal.) PA 2 2 7.94 71 75.90  (Gal.) PA 2 7.85 7.00 1660  (Gal.) PH Tomp (°C) Measurement x umhos/cm  (Gal.) PA 2 7.85 7.00 1660  (Gal.) PA 2 8.50  (Gal.) PH Tomp (°C) Measurement x umhos/cm  (Gal.) PH Tomp (°C) Measurement x umhos/cm  (Gal.) PA 2 8.50  (Gal.) PH Tomp (°C) Measurement x umhos/cm  (Gal.) PH Tomp (°C)				ما <i>ل</i> ، ط				Formula	s/Conversions
Purged With Sub Pamp Pumped or Bailed Dry? Yes X No Time After gallons Water level at sampling Percent Recovery We cashing - 0.163 gal/f V, cashin	Volume to	be purged	i		6	gallons		h = ht of	water col. in ft
Pumped or Bailed Dry? Yes X No Time After gallons Water level at sampling Percent Recovery V; casing = 0.183 gal/li Water level at sampling Percent Recovery V; casing = 0.183 gal/li V; casing = 0.	Purged Wi	th Sub	Pump					vol. in co	l. = ⊼r³h
Water level at sampling Percent Recovery V, easing = 0.653 gal/h V, easing = 0	•			X No				V, casin	g = 0.163  gal/s
Purge Time Purge Volume (gal.) pH Temp (°C) Specific Conductance (gal.) pH Temp (°C) Measurement x umhos/cm (Gal.)								V, casin	g = 0.653  gal/ft
Purge Time   Purge Volume   Cumulative   gal.   pH   Temp (°C)   Specific Conductance   Measurement   x umhos/cm   (637   1634   2   2   7.94   7   1.596     1.666		•	0			ciit recove	.,	اکتا کی ا	ng = 0.826 gal/st
Purge Time Purge Volume (gal.) pH Temp (*C) Specific Conductance  Start Stop (gal.) pH Temp (*C) Measurement x umhos/cm  (63 ** 163 ** 2	СВЕМІСА	L DATA						V.* casin	g = 2.61 gal/ft
Start Stop (gal.) (gal.) pH Temp (*C) Measurement x umhos/cm (63** 1634 2 2 7,96 7) 1590    (63** 1634 2 2 7,96 7) 1560    (640 6 7,82 70 1660    (640 6 7,82 70 1660    (640 7) 6 7,82 70 1660    SAMPLES COLLECTED Time 6 Odor Note    Description of sediments or material in sample: New Additional Comments:  Sample # of Container Filtered Preservative (type) (Y/N) (Init) Requested (Size, u) (HC1 YES SAA G BTEY)				<del></del>	··				
Container   Filtered   Preservative   Refrig.   Lab   Analysis   Requested   Mw.   3   1   1   1   1   1   1   1   1   1	1					-11	T /80)	Specific Co	nductance
Container   Filtered   Preservative   Refrig.   Lab   Analysis   Requested   Refrig.   Requested   R				<u>'                                    </u>			Temp (°C)	<del> </del>	x umhos/cm
Samples Collected Time 1650 Water color Clear Odor None Description of sediments or material in sample:  Sample # of Container Filtered (size, u) (type) (tyn) (Init) Requested (MW.) 3 1 HC1 YES SPA G 1878X	162.	· · · · · · · · · · · · · · · · · · ·			_ Z	1	ال ا		
SAMPLES COLLECTED Time 1650 Water color			<del></del>		4	· — — — — — — — — — — — — — — — — — — —	70		
Water color CIEAL Odor Nove  Description of sediments or material in sample: Nove  Additional Comments:  Sample # of Container Filtered Preservative Refrig. Lab Analysis Requested (type) (ty/N) (init) Requested (type) (ty/N) (init) Requested (type) (ty/N) (type) (ty/N) (type) (ty/N) (type) (ty/N) (type) (ty/N) (type) (type) (ty/N) (ty/N) (type) (ty/N) (type) (ty/N) (ty/N) (type) (ty/N) (ty/N) (type) (ty/N) (ty/N) (type) (ty/N) (ty/N	<u> </u>	1640			6	7.8.2	7-4	1896	
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CHEMICA	L DATA						V, casin	g = 2.61 gal/ft
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·	10.1				7.61	70	19.70	
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Samples	COLLECT	TED Time	1622	_ Total	volume pu	orged (gal.) _	(5).	
		Udy			NOVE		•	
Description	of sedim	ents or mater	rial in san	pple: LT	BZOWN	1 SEDIN	14 M +	
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Aireniet 1)	/pc Codes:	i = 40 ml 3 = Clear di	clear VOA	VTellon septa	$a: 2 = B_1$	own glass/	effon lined cap	(specify size);
¥/_	• • • •	5 = Other		med cap (spec	ny sivel! 4:	= Polyethylen 6 = Other	e/polyethylene cap	ap (specify size);



Job Name	AMADO	2 Valley B	Lus	Job Numbe	1-38	0-04	Sampler _ {	?H
		<u>1W-3:</u>	·	Date _6	15/94		Well Diamete	
Sample Po	int Locati	on/Description	on Acloss	STARWARD IN	Rock Aun	ten Bed		spec.) 17-
Depth to V	Vater (sta	lic) 7.83	···	Well Depth	(sounded)		1	
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Volume to	be purge	d		5			h = hto	water col. in ft
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Pumped or	r Bailed D	ry?Yes	XNO	Time			V, casir	g = 0.163 gal/ft 18 = 0.367 gal/ft
Water leve	l at samp	ling		Регс			V. castr	g = 0.653  gal/ft
			-			·	جمای، ا	ing = 0.826 gal/ft pg = 1.47 gal/ft
CHEMICA	L DATA						V, castr	ng = 2.61 gal/lt
Pure	e Time	Purge V	oluma I	Cumulativa	·			
Start	Stop			Cumulative (gal.)	pН	Temp (°C)		onductance
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10	(5.50			Z	7.52	70	1890	
	155		<del></del>	- 7	7.50	70	1950	
					1.50	, ,	( () )	
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		<del></del>						
SAMPLES	COLLECT	Time Time	1602	= Total	volume pu	irged (gal.) _	(3)	
		<u>ngh</u>			Nons			
Description	of sedim	ents or matei	ial in san	nple: <u>Nea</u>	wi Br	SWA S	THUMICOC	
Additional	Comment	is: <u>*                                   </u>	1 HCI	due t	il sav	urlo,		nce *
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<u> </u>								
Sample	# of	Container	Filtered	Preserv	ative	Refrig.	Lab	Analysis
· ID	Cont.	Турс	(size. u)	<del></del>	e)	(Y/N)	(Init)	Requested
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	\$ '' \$	3 = Clear gla	ass/tellon	lined cap (spec	Lly size); 4	= Polyethylen	conon ined cap	p (specify size); ' ap (specify size); '
. X6	,	5 = Other			:	6 = Other		topectif suct,



Job Name	AMADO	e Valley B	Lub	Job Numbe	1-38	60-04	Sampler <u></u>	H
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Sample Poi	int Locati	on/Descriptio	IN LIBR	ARY DE	wwaln		Well Depth (s	
-		ic) 5,82		Well Depth			1	
-		er in casing !	_	Volume 1	_		Formulas	Conversions
Volume to		·-			gallons	_		adius in ft water col. in ft
Purged Wit	· _ ·	<b>~</b> -				rbue Bailer	vol. in cv	l. = πr³h
•		ry? Yes	X No			gallor	V, casin	g = 0.163 gal/st
-		ing						g = 0.367  gal/st g = 0.653  gal/st
Water level	at samp	5		- FCIC	ent Recove	ery	- V <sub>15</sub> casi	ng = 0.826  gal/ft
0			•				V. casin	g = 1.47 gal/ft g = 2.61 gal/ft
CHEMICAI	J DATA							
Purg	e Time	Purge V		umulative			Specific Co	nductance
Start	Stop		.)	(gal.)	pН	Temp (°C)	Measurement	x umhos/cm
1524	1526	·		Z	6.54	72	1640	
	1527	·		4.	4.52	70	1856	
ļ	1570	7. 2		6	6.53	70	1884	
					ļ. <u> </u>			
<u> </u>	<u></u>							
SAMPLES	0011700	nnn m	1057					
		-	153T			urged (gal.) _	(6)	
		ondy.			r None			
		ents or mater			• •			***************************************
Additional (	Comment	s: <u>* No</u>	HCI di	ne to s	ample .	effernos	sconce *	
	<u></u>			٠,		•		
Sample	# of	Container	Filtered	Preser	vative	Refrig.	Lab	Analysis
ID	Cont.	Туре	(size, u)	{typ	)e)	(Y/N)	(Init)	Requested
my	_3_			He	<u>-*</u>	YES	SP.A	G BTEX
		•				<u>-</u>		
• • •		·						
	·		4.5	'à		•		
	:	•	· .					
Container T	ype Codes	: 1 = 40 ml 3 = Clear gl	clear VOA ass/teflon l	/Tellon sep	ta; 2 = E	troup diago/	tellon lined cap	(specify size):

WATERSALETRY



			***	111 DIC 011111	DENG D			_				
		2 Valley B		Job Numbe	1-38	0-04	Sampler <u>k</u>	<u>H</u>				
Well Num	ber	<u>1W-S</u>	··	Date	15 94	·····	Well Diamete	r Z				
Sample Po	oint Locat	ion/Description	on		Well Depth (spec.) 17							
Depth to \	Vater (sta	uc) <u>6.48</u>		Well Depth	(sounded)		-					
Initial help	ght of wat	er in casing $ar{\it L}$	0.52	Volume 1	.72	gallons	Formula.	s/Conversions				
Volume to	be purge	d			gallons		h = ht of	adius in ft water col. in ft				
Purged Wi	in <u>Sub</u>	2 Pump		Sampled Wi			ૂ ′  vol. In cy	l. = rrh				
Pumped o	r Bailed D	ry? Yes	X_No			gallor	V, casin	g = 0.163 gal/ft				
Water leve	l at samp	ling		Perc			V, casin	g = 0.367 gal/ft g = 0.653 gal/ft				
						-J <u></u>	- ۲۰۰۱ کې د Casi.	ng = 0.826 gal/ft g = 1.47 gal/ft				
CHEMICA	L DATA						V, casin	g = 2.61 gal/ft				
					γ	1						
<u> </u>	ge Time	Purge V		Cumulative (gal.)	pН	Temp (°C)		nductance				
Start 1654	Stop	·				Temp (°C)	Measurement	x umhos/cm				
1671	1656			7	8.04	69	1270					
				4	7.85	68	1330					
	1659			6	7.80	68	1350					
		<del></del>										
	<u> </u>	1			,			-				
SAMPLES	COLLECT	TED Time	17-07	– Total	volume pi	orged (gal.) _	(6).					
Water colo	r	Pal	· · · · · · · · · · · · · · · · · · ·		Sligh	+ Neidia	r or from					
	_	ents or mater	rial in sa	mple:	<u> </u>	+ Hydro	COHOLON					
Additional			101 11 32	<u>ve</u>								
	00,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		<del></del>		<del></del>							
Sample	# of	Contain										
· ID	Cont.	Container Type	Filtered (size, u		-	Refrig.	Lab	Analysis ·				
mus	3	1	(55%; 5	HCI	-1	YES	(Init)	Requested				
				101		160	SPA	G BTEX				
		•				<del></del>	-					
	•	<del>-</del>					-					
•	•											
		,	* * * * * * * * * * * * * * * * * * * *									
	<u></u>	<u> </u>				•						
ontainer T	ype Codes	1 = 40 ml	clear VC	A/Tellon sept	a: 2 = B:	own glass/i	lesson lined can	(specify size);				
, J1	<i>,</i> , · · ·	3 = Clear gli 5 = Other _	ass/(effor	Ilned cap (spec	י איי יויטימכ לייי	- roisembleti	c/polycthylene c	o (specify size); ap (specify size);				
, X 6	•				i	6 = Other		<del>-</del>				

Fax co	opy of	Lal	o Re	port	and	COC to			n C	onto	ict:		res Vo		30	>5 (	Sha	in-	of-	Cus	stody-Reco
		Che			bor	(7)	2621	<del>,                                    </del>					Chevron	n Contac	t (Nom	ب (٠	<u> </u>	KO.V	11/V +V	$\gamma$ Ka	in
Chevron U		Con			umber	67 Am	W/CL	<u> </u>	+ /2	<u>صار. (ا</u>	100				(Pho	19)	<del>78</del> 6	15-5	6752	?	
P.O. BOX		1 .				ENVIRO			SERV	ICE		—	1				13	<u>102</u> 39:	Prec	1510r	<u> </u>
San Ramon, FAX (415)8		1				46, MAR						_		ory Rele							
(110)	3,2 3031		Project (	Contact (	Nome) M	R. ED M	ORALI	ES				_		on-Dales				- KTC	CK HI	TAON	<u> </u>
				(	Phone) ( 5	310)370-1	280 <sub>(Fa)</sub>	. Numb	<sub>er)</sub> (51(	0)370	7959		Signatur		1)8				$\overline{}$		
			8										Anoly	10	Be Perfe	omed		<u> </u>			
	. Sample Number	Number of Containers	Air Charcoal	Grab Composite Discrete		ngo		S			Purpeable Holocarbons (8010)	Purgeoble Aromotica (8020)		Ţ-							DO NOT BILI
Sample Number	ž	ર્ફ	≺υ	క్రికే		Sample Preservation	( SK ×	\ ¥2 9&	ТРН Diesal (8015)	\$	oloco	¥ og	Purpeoble Organica (8240)	Extrodoble Organics (8270)	٦						FOR TB-LB SAMPLES
ž	d mg	5	Matrix S = Soil W = Water	111		9	ced (Yes or	+ + +	300	Oil and Greater (5520)	8°	9		\$	Metals Cd.O.Pb.Zn.Ni (ICAP 72.11)		1				January 200
e g	4	Ę	\$11	25	H H	дшь	8	ន្ត្រីថ្ម	¥.80	3 and	\$ 50 50 50 50	800	825	\$270 8270	20.0						
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TBCB MW.1	<u> </u>	3	I W	G	1654	HCI	Yes	X			-		_		ļ 						Analyze as
MW-Z	<del> </del>	-	<del>                                     </del>	<del>  )                                   </del>			<del>                                     </del>	X	<del> </del>	ļ					ļ <u></u> .	ļ	ļ	<u> </u>		ļ. <u></u>	SHOWN
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Mw.5		V	<u> </u>	1	1747	HCI	1	X										47		10.	#1
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825 Arnold Drive, Suite 114 • Martinez, California 94553 • (510) 229-1512 / fax (510) 229-1526

Sierra Environmental Attn: ED MORALES

Project 1-380-04 Reported 07/05/94

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IOIAL	PETROTEON	RYDROCARRONS

Lab #	Sample Identification	Sampled	Analyzed Matrix
30597- 1 30597- 2 30597- 3 30597- 4 30597- 5 30597- 6	TB-LB MW-1 MW-2 MW-3 MW-4 MW-5	06/15/94 06/15/94 06/15/94 06/15/94 06/15/94	06/22/94 Water 06/22/94 Water 06/22/94 Water 06/22/94 Water 06/22/94 Water 06/22/94 Water

RESULTS OF ANALYSIS

Laboratory Number:	30597- 1	30597- 2	30597- 3	30597- 4	30597- 5

		· · · · · · · · · · · · · · · · · · ·			
Gasoline: Benzene: Toluene: Ethyl Benzene: Total Xylenes:	ND<50 ND<0.5 ND<0.5 ND<0.5 ND<0.5	ND<50 ND<0.5 0.8 ND<0.5 2.0	ND<50 0.5 0.7 ND<0.5 2.2	ND<50 ND<0.5 0.6 ND<0.5 2.0	ND<50 ND<0.5 0.7 ND<0.5 2.2
Concentration:	ug/L	ug/L	ug/L	ug/L	ug/L

Laboratory Number: 30597-6

Gasoline:	650
Benzene:	1.5
Toluene:	38
Ethyl Dongons	• • •

Total Xylenes: 12
5.5

Concentration: ug/L

Page 1 of 2

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### CERTIFICATE OF ANALYSIS

### ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS

Page 2 of 2 QA/QC INFORMATION SET: 30597

NA = ANALYSIS NOT REQUESTED

ND = ANALYSIS NOT DETECTED ABOVE QUANTITATION LIMIT

ug/L = parts per billion (ppb)

OIL AND GREASE ANALYSIS By Standard Methods Method 5520F: Minimum Detection Limit in Water: 5000ug/L

Modified EPA SW-846 Method 8015 for Extractable Hydrocarbons: Minimum Quantitation Limit for Diesel in Water: 50ug/L

EPA SW-846 Method 8015/5030 Total Purgable Petroleum Hydrocarbons: Minimum Quantitation Limit for Gasoline in Water: 50ug/L

EPA SW-846 Method 8020/BTXE
Minimum Quantitation Limit in Water: 0.5ug/L

ANALYTE	MS/MSD RECOVERY	RPD	CONTROL LIMIT
Gasoline: Benzene: Toluene: Ethyl Benzene: Total Xylenes:	72/76 85/83 90/90 97/97 96/96	5 % % % % % % % % % % % % %	70-130 70-130 70-130 70-130 70-130

Senior Chemist

Certified Laboratories