Chevron

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

November 11, 1994

Ms. Eva Chu
Alameda County Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

12/6/94 Where are install. rpt for MW1, 2, 3 and VWS?

Re: Former Chevron Station # 9-2582, 7240 Dublin Blvd., Dublin, CA
Attached groundwater monitoring report (Blaine Tech, 10/19/94)

Dear Ms. Chu:

Attached you will find a report dated October 19, 1994, which was prepared by Chevron's consultant, Blaine Tech Services (Blaine Tech), to describe groundwater monitoring performed at the subject site on September 26 and October 4, 1994.

The attached report presents groundwater results for the third quarter. Wells EA-1 through EA-3 were gauged and sampled during September. The analytical results from the September sampling are presented in the historic data table. Blaine Tech gauged and sampled all site-related wells again, in October, to obtain groundwater data from all wells including the newly installed wells MW-1 through MW-3.

During October the measured direction of groundwater flow was toward the northwest. All six site-related monitoring wells were analyzed for the presence of TPHGas and BTEX constituents. Dissolved hydrocarbons were detected at all well locations except, EA-2. The measured concentrations at MW-1 through MW-3 were consistent with what could have been expected considering each well's respective distance from the known source areas and the observed direction of groundwater flow beneath the site.

If you have any questions or comments, I can be reached at (510) 842-8695.

Sincerely,

Brett L. Hunter

Brett L. Hunter
Environmental Engineer
Site Assessment and Remediation

Attachment

cc: Lester Feldman, San Francisco Bay RWQCB, Oakland, CA
Janet Clinton (for Parkway Three), 2425 Webb Avenue, Suite 200, Alameda, CA 94501
David Thomas, Geraghty & Miller, 1050 Marina Way South, Richmond CA 94804
Bette Owen, Chevron USA, Products Company, San Ramon, CA (w/o attachment)

BLAINE
TECH SERVICES INC.

985 TIMOTHY DRIVE
SAN JOSE, CA 95133
(408) 995-5535
FAX (408) 293-8773

October 19, 1994

Brett Hunter
Chevron U.S.A. Products Company
2410 Camino Ramon
San Ramon, CA 94583-0804

3rd Quarter 1994 monitoring at 9-2582

Third Quarter 1994 Groundwater Monitoring at
Chevron Service Station number 9-2582
7240 Dublin Boulevard
Dublin, California

Monitoring performed on October 4, 1994

Groundwater Sampling Report **941004-L-1**

This report covers the routine quarterly monitoring of groundwater wells at this former Chevron facility. Blaine Tech Services, Inc. work at the site includes inspection, gauging, evacuation, purgewater containment, sample collection and sample handling in accordance with standard procedures that conform to Regional Water Quality Control Board requirements.

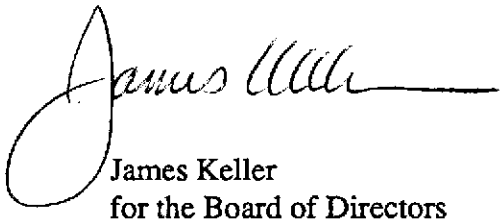
Routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, calculated volume of a three case volume purge, elapsed evacuation time, total volume of water removed, and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater is, likewise, collected and transported to Chevron's Richmond Refinery for disposal.

Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL DATA AND ANALYTICAL RESULTS.** The full analytical report for the most recent samples is located in the **Analytical Appendix.** The table also contains new groundwater elevation calculations taken from the computer plotted gradient map which is located in the **Professional Engineering Appendix.**

At a minimum, Blaine Tech Services, Inc. field personnel are certified on completion of a forty hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight hour refresher courses.

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. In order to avoid compromising the objectivity necessary for the proper and disinterested performance of this work, Blaine Tech Services, Inc. concentrates on objective data collection and does not participate in the interpretation of analytical results, the definition of geological or hydrological conditions, the formulation of recommendations, or the marketing of remedial systems.

Yours truly,



James Keller
for the Board of Directors

JPK/dk

attachments: Cumulative Table of Field Data and Analytical Results
Analytical Appendix
Professional Engineering Appendix

Cumulative Table of Well Data and Analytical Results

Verical measurements are in feet. Analytical values are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	1,2-DCA	MTBE
EA-1											
10/17/88	333.41	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/24/88	333.41	322.77	10.64	Gauging	--	--	--	--	--	--	--
11/02/88	333.41	322.72	10.69	Gauging	--	--	--	--	--	--	--
12/20/88	333.41	322.90	10.51	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/28/89	333.41	323.54	9.87	--	<250	<0.5	<0.5	<0.5	<0.5	--	--
08/02/89	333.41	323.07	10.34	--	<50	<0.1	<0.1	<0.1	<0.1	<0.1	--
11/06/89	333.41	322.76	10.65	--	<500	<3.0	<5.0	<5.0	<5.0	<5.0	--
01/25/90	333.41	322.81	10.60	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
04/23/90	333.41	322.83	10.58	--	71	2.0	5.0	3.0	8.0	<0.5	--
08/01/90	333.41	322.53	10.88	--	300	86	21	10	33	--	--
10/24/91	333.41	322.29	11.12	--	280	69	13	11	16	--	--
01/31/91	333.41	322.25	11.16	--	460	160	11	17	17	--	--
08/21/91	333.41	322.61	10.80	--	2400	400	220	44	120	--	--
08/21/91	333.41	--	--	Duplicate	2300	390	210	42	120	--	--
10/07/91	333.41	322.62	10.79	Not sampled	--	--	--	--	--	--	--
01/28/92	333.41	322.62	10.79	--	3600	320	360	110	310	--	--
01/28/92	333.41	--	--	Duplicate	3000	290	320	99	270	--	--
06/05/92	333.41	322.57	10.84	--	1700	290	89	61	130	--	--
09/30/92	333.41	322.35	11.06	--	2100	160	260	80	350	--	--
12/30/92	333.41	323.26	10.15	Sheen, odor	3200	240	180	110	310	--	--
03/29/93	333.41	323.99	9.42	Odor	23,000	700	3000	610	--	--	--
06/25/93	333.41	322.99	10.42	--	2700	130	590	130	590	--	--
09/16/93	333.41	322.75	10.66	--	3900	410	830	220	890	--	--
12/20/93	333.41	322.81	10.60	--	27,000	1200	2600	1100	4200	--	--
03/29/94	333.41	323.00	10.41	--	6300	250	700	200	830	--	--
06/22/94	333.41	323.01	10.40	--	4100	71	240	110	460	<10	<30
09/26/94	333.41	323.04	10.37	--	8500	1200	1300	370	1400	--	--
10/04/94	333.41	323.07	10.34	--	7600	97	360	150	620	--	--

9/26

Cumulative Table of Well Data and Analytical Results

Verical measurements are in feet. Analytical values are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	1,2-DCA	MTBE
EA-2											
10/17/88	332.59	--	--	--	<50	<0.5	<0.5	<0.5	1.2	--	--
10/24/88	332.59	322.89	9.70	Gauging	--	--	--	--	--	--	--
11/02/88	332.59	322.56	10.03	Gauging	--	--	--	--	--	--	--
12/20/88	332.59	322.61	9.98	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/28/89	332.59	323.79	8.80	--	<250	<2.	<0.5	<0.5	<0.5	<0.5	--
08/02/89	332.59	323.15	9.44	--	<50	<0.1	<0.1	<0.1	<0.1	<0.1	--
11/06/89	332.59	323.06	9.53	--	<500	<3.0	<5.0	<5.0	<5.0	<5.0	--
01/25/90	332.59	323.32	9.27	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
04/23/90	332.59	323.24	9.35	--	<50	0.6	0.8	<0.5	2.0	<0.5	--
08/01/90	332.59	322.88	9.71	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/24/90	332.59	322.51	10.08	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/31/91	332.59	322.38	10.21	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/31/91	332.59	--	--	Duplicate	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/21/91	332.59	322.79	9.80	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/07/91	332.59	322.61	9.98	Not sampled	--	--	--	--	--	--	--
01/28/92	332.59	322.78	9.81	--	<50	0.8	<0.5	<0.5	<0.5	--	--
06/05/92	332.59	322.73	9.86	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/30/92	332.59	321.99	10.60	--	66	1.0	3.2	1.3	7.4	--	--
12/30/92	332.59	323.48	9.11	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/29/93	332.59	324.86	7.73	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
06/25/93	332.59	323.37	9.22	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
09/16/93	332.59	322.59	10.00	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
12/20/93	332.59	323.21	9.38	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/29/94	332.59	323.29	9.30	--	<50	<0.5	0.6	<0.5	<0.5	--	--
06/22/94	332.59	323.10	9.49	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/26/94	332.59	322.87	9.72	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/04/94	332.59	323.01	9.58	--	<50	<0.5	<0.5	<0.5	<0.5	--	--

Cumulative Table of Well Data and Analytical Results

Verical measurements are in feet. Analytical values are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	1,2-DCA	MTBE
EA-3											
10/17/88	333.64	--	--	--	<50	1.8	<0.5	<0.5	3	--	--
10/24/88	333.64	322.61	11.03	Gauging	--	--	--	--	--	--	--
11/02/88	333.64	322.61	11.03	Gauging	--	--	--	--	--	--	--
12/20/88	333.64	322.68	10.96	--	240	90	1.2	13	3.3	--	--
03/28/89	333.64	322.87	9.77	--	2300	380	130	240	910	--	--
08/02/89	333.64	322.99	10.65	--	<50	<0.1	<0.1	<0.1	<0.1	<0.1	--
11/06/89	333.64	322.86	10.78	--	<500	<3.0	<5.0	<5.0	<5.0	<5.0	--
01/25/90	333.64	322.98	10.66	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
04/23/90	333.64	322.96	10.68	--	<50	0.8	<0.5	0.9	<0.5	<0.5	--
08/01/90	333.64	322.61	11.03	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/24/90	333.64	322.29	11.35	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/31/91	333.64	322.12	11.52	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/21/91	333.64	--	--	Not sampled	--	--	--	--	--	--	--
10/07/91	333.64	322.49	11.15	--	180	40	20	4.7	8.4	--	--
10/07/91	333.64	--	--	Duplicate	200	43	17	4.1	6.7	--	--
01/28/92	333.64	322.12	11.08	--	640	69	85	13	46	--	--
06/05/92	333.64	322.66	10.98	--	250	63	8.3	3.0	9.5	--	--
09/30/92	333.64	322.26	11.38	--	330	120	33	6.3	22	--	--
12/30/92	333.64	323.16	10.48	--	58	7.6	1.3	2.5	5.4	--	--
03/29/93	333.64	324.34	9.30	--	120	11	4.5	6.2	13	--	--
06/25/93	333.64	323.18	10.46	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
09/16/93	333.64	322.74	10.90	--	85	3.9	8.8	4.5	22	--	--
12/20/93	333.64	322.98	10.66	--	190	12	12	13	50	--	--
03/29/94	333.64	323.14	10.50	--	<50	<0.5	1.2	<0.5	0.9	--	--
06/22/94	333.64	323.00	10.64	--	<50	<0.5	<0.5	<0.5	<0.5	<1.0	<3.0
09/26/94	333.64	322.92	10.72	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/04/94	333.64	322.96	10.68	--	<50	<0.5	<0.5	<0.5	0.7	--	--

Cumulative Table of Well Data and Analytical Results

Verical measurements are in feet. Analytical values are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	1,2-DCA	MTBE
MW-1											
10/04/94	333.56	320.76	12.80	--	2100	150	170	61	320	--	--
MW-2											
10/04/94	329.18	320.62	8.56	--	2300	160	280	96	480	--	--
MW-3											
10/04/94	332.73	320.67	12.06	--	6300	610	750	68	670	--	--
PVC											
08/02/89	--	--	11.52	--	100,000	8700	14000	1700	17,000	50	--
08/02/89	--	--	--	Duplicate	110,000	9200	14000	1800	13,000	50	--
11/06/89	--	--	--	--	--	--	--	--	--	--	--
EQUIPMENT BLANK											
03/28/89	--	--	--	--	<250	<0.5	<0.5	<0.5	<0.5	--	--

Cumulative Table of Well Data and Analytical Results

Verical measurements are in feet. Analytical values are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	1,2-DCA	MTBE
TRIP BLANK											
07/28/89	--	--	--	--	<50	<0.1	<0.1	<0.1	<0.1	<0.1	--
11/06/89	--	--	--	--	<500	<3.0	<0.5	<0.5	<0.5	<0.5	--
01/25/90	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/01/90	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
10/24/90	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/31/91	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/21/91	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/07/91	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/28/92	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/05/92	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/30/92	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/30/92	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/29/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
06/25/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
09/16/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
12/20/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/29/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/22/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/26/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/04/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--

Note: Blaine Tech Services, Inc. began routine monitoring of the groundwater wells at this site on September 30, 1992. Earlier field data and analytical results are drawn from the July13, 1992 RENSA report.

ABBREVIATIONS:
TPH = Total Petroleum Hydrocarbons
1,2-DCA = 1,2-Dichloroethane
MTBE = Methyl-t-butylether

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

15811

Chain-of-Custody-Record

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

Chevron Facility Number: 9-2582
Facility Address: 7240 Dublin Blvd
Consultant Project Number: 940926-K2
Consultant Name: Blaine Tech Services
Address: 985 Timothy Dr., San Jose, CA 95133
Project Contact (Name): Jim Keller
(Phone) 408 995-5535 (Fax Number) 408 293-8773

Chevron Contact (Name): Brett Hunter
(Phone) (510) 842-8595
Laboratory Name: Superior
Laboratory Release Number: 2612800
Samples Collected by (Name): Keith Brown
Collection Date: 9/26/94
Signature: Keith Brown

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed: 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)					Remarks
EA1		3	W	D	1215	HCl	Y	X												
EA2		3			1140			X												
EA3		3			1200			X												
TB		2			—			X												

Please initial: RG
Samples Stored in ice: KB KB
Appropriate containers: KB
Samples preserved: KB KB
VOA's without headspace: KB
Comments: 010

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
[signature]	BTS	9/28/94 1005	Doug Courtney	AERO	9/28/94 1005
D. Gunny	AERO	9/28/94 1:20			
			Received For Laboratory By (Signature)		Date/Time
			[signature]		9/29/94 1:20

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

COC-3.DWG/03 91/HCH

Fax copy of Lab Report and COC to Chevron Contact: ☐ Yes ☐ No   15838

Chain-of-Custody-Record

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

Chevron Facility Number 9-2582
Facility Address 7240 DUBLIN BLVD, DUBLIN, CA
Consultant Project Number 941004-L1
Consultant Name Blaine Tech Services
Address 985 Timothy Dr., San Jose, CA 95133
Project Contact (Name) Jim Keller
(Phone) 408 995-5535 (Fax Number) 408 293-8773

Chevron Contact (Name) BRETT HUNTER
(Phone) 510-842-8695
Laboratory Name SUPERIOR
Laboratory Release Number 2612800
Samples Collected by (Name) LAD B OLVEK
Collection Date 10-4-94
Signature [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)	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)						Remarks
EA-1		3	W		1045	HCL	YES	X													DO NOT BILL FOR LB/TB
EA-2		3	W		950	↓	↓	X													
EA-3		3	W		1010	↓	↓	X													
MW-1		3	W		1030	↓	↓	X													
MW-2		3	W		1125	↓	↓	X													
MW-3		3	W		1105	↓	↓	X													
EB TB		2	W			↓	↓	X													

Please initial: [initials]
Samples Stored in ice ✓ 5°C
Appropriate containers ✓
Samples preserved ✓
VOA's without headspace ✓
Comments

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Turn Around Time (Circle Choice)
[signature]	BTS	10-5-94 9:38	[signature]	AERO	10-5-94 9:58	24 Hrs.
[signature]	AERO	10-5-94 11:20				48 Hrs. / 5 Days / 10 Days
			Recieved For Laboratory By (Signature) [signature] SAPF		10/5/94 1120	(As Contracted)

COC-3.DWG/03 91/HCH

Analytical Appendix

Superior Precision Analytical, Inc.
A member of ESSCON Environmental Support Service Consortium

Blaine Tech Services
Attn: Jim Keller

Project 940926-K2
Reported 10/03/94
Revised 10/19/94

TOTAL PETROLEUM HYDROCARBONS

Lab #	Sample Identification	Sampled	Analyzed	Matrix
15811- 1	EA1	09/26/94	09/29/94	Water
15811- 2	EA2	09/26/94	09/29/94	Water
15811- 3	EA3	09/26/94	09/29/94	Water
15811- 4	TB-LB	09/26/94	09/29/94	Water

RESULTS OF ANALYSIS

Laboratory Number:	15811- 1	15811- 2	15811- 3	15811- 4
Gasoline_Range:	8500	ND<50	ND<50	ND<50
Benzene:	1200	ND<0.5	ND<0.5	ND<0.5
Toluene:	1300	ND<0.5	ND<0.5	ND<0.5
Ethyl Benzene:	370	ND<0.5	ND<0.5	ND<0.5
Total Xylenes:	1400	ND<0.5	ND<0.5	ND<0.5
Concentration:	ug/L	ug/L	ug/L	ug/L

Certified Laboratories

825 Arnold Dr., Suite 114
Martinez, California 94553
(510) 229-1512 / fax (510) 229-1526

1555 Burke St., Unit I
San Francisco, California 94124
(415) 647-2081 / fax (415) 821-7123

309 S. Cloverdale St., Suite B-24
Seattle, Washington 98108
(206) 763-2992 / fax (206) 763-8429

Superior Precision Analytical, Inc.
A member of ESSCON Environmental Support Service Consortium

C E R T I F I C A T E O F A N A L Y S I S

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS

QA/QC INFORMATION
SET: 15811

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_Range:	90/93	3%	56-117
Benzene:	72/64	12%	59-149
Toluene:	80/84	5%	59-149
Ethyl Benzene:	83/87	5%	59-149
Total Xylenes:	92/98	6%	59-149

10/9/94

Senior Chemist
Account Manager

Superior Precision Analytical, Inc.
A member of ESSCON Environmental Support Service Consortium

Blaine Tech Services
Attn: Jim Keller

Project 941004-L1
Reported 10/10/94

TOTAL PETROLEUM HYDROCARBONS

Lab #	Sample Identification	Sampled	Analyzed	Matrix
15838- 1	EA-1	10/04/94	10/07/94	Water
15838- 2	EA-2	10/04/94	10/07/94	Water
15838- 3	EA-3	10/04/94	10/07/94	Water
15838- 4	MW-1	10/04/94	10/07/94	Water
15838- 5	MW-2	10/04/94	10/07/94	Water
15838- 6	MW-3	10/04/94	10/07/94	Water
15838- 7	TB-LB	10/04/94	10/07/94	Water

RESULTS OF ANALYSIS

Laboratory Number:	15838- 1	15838- 2	15838- 3	15838- 4	15838- 5
Gasoline_Range:	7600	ND<50	ND<50	2100	2300
Benzene:	97	ND<0.5	ND<0.5	150	160
Toluene:	360	ND<0.5	ND<0.5	170	280
Ethyl Benzene:	150	ND<0.5	ND<0.5	61	96
Total Xylenes:	620	ND<0.5	0.7	320	480
Concentration:	ug/L	ug/L	ug/L	ug/L	ug/L

Laboratory Number:	15838- 6	15838- 7
Gasoline_Range:	6300	ND<50
Benzene:	610	ND<0.5
Toluene:	750	ND<0.5
Ethyl Benzene:	68	ND<0.5
Total Xylenes:	670	ND<0.5
Concentration:	ug/L	ug/L

Certified Laboratories

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C E R T I F I C A T E O F A N A L Y S I S

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS

QA/QC INFORMATION
SET: 15838

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_Range:	111/107	4%	56-117
Benzene:	107/107	0%	59-149
Toluene:	108/110	2%	59-149
Ethyl Benzene:	106/104	2%	59-149
Total Xylenes:	118/118	0%	59-149

Cecilia G Joaquin 10/11/94
Senior Chemist
Account Manager

Professional Engineering Appendix

GEOCONSULTANTS, INC.
Engineering Geology • Hydrogeology
Ground-Water Exploration & Development
Ground-Water Resource Management
1450 Koll Circle, Suite 114
San Jose, California 95112
Telephone: (408) 453-2541
Fax: (408) 453-2543

October 14, 1994
Project No. G758-09

Mr. Richard Blaine
Blaine Tech Services, Inc.
985 Timothy Drive
San Jose, CA 95133

RE: GROUND-WATER ELEVATION CONTOUR MAP
FORMER CHEVRON SERVICE STATION NO. 9-2582
7240 DUBLIN BOULEVARD
DUBLIN, CALIFORNIA

Dear Mr. Blaine:

In accordance with your request, we have prepared a map showing the most recent ground-water elevation contours at this site. The depth to the water table was measured in the monitoring wells by Blaine Tech Services, Inc. on October 4, 1994. The ground-water elevation contours extrapolation and the general direction of the ground-water gradient indicated are to be considered only approximate in nature.

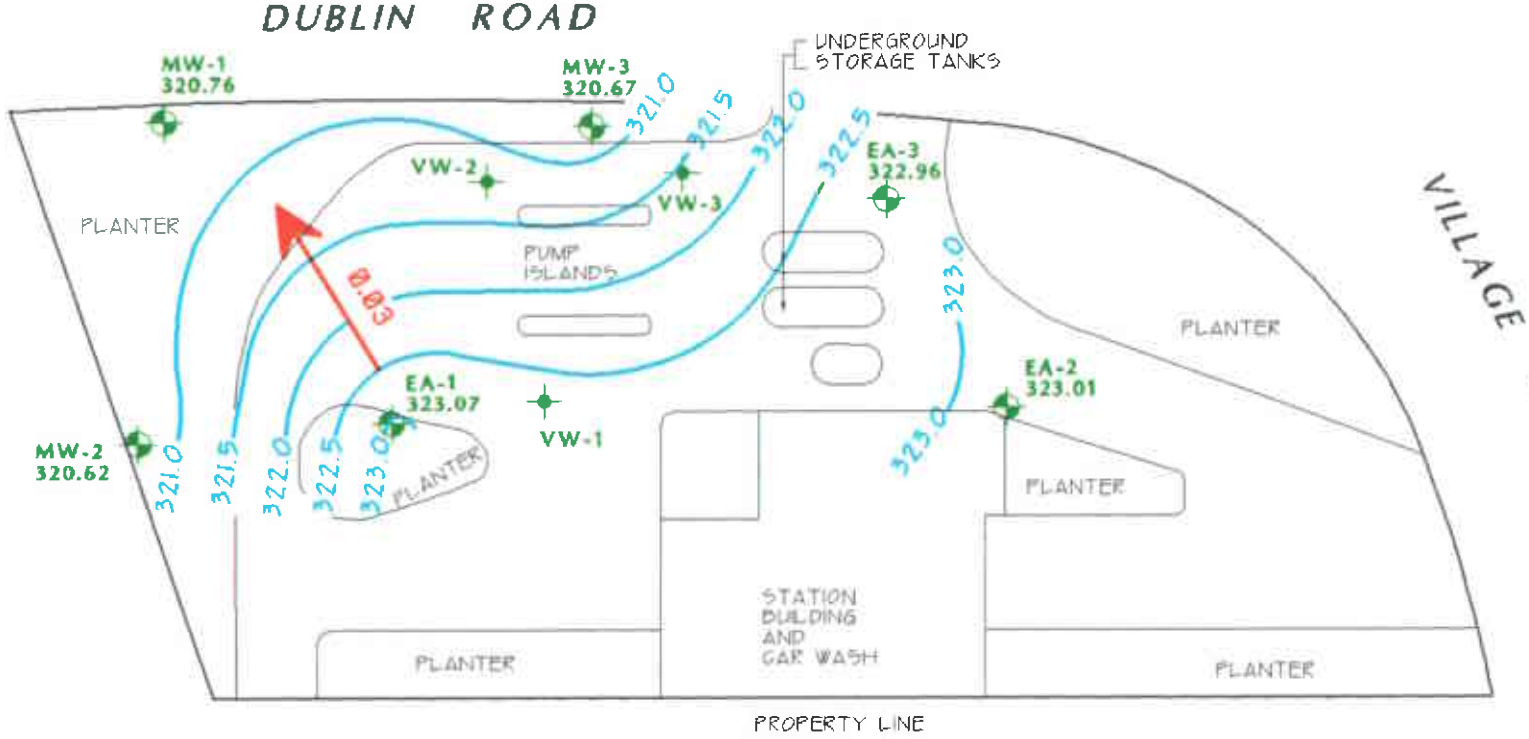
If you have any questions regarding the map, please call.

Very truly yours,

GEOCONSULTANTS, INC.

John K. Hofer
Engineering Geologist, EG-1065

JKH:dw
(CH92582.094)



EXPLANATION

- MW-2 — GROUND-WATER MONITORING WELL
- 320.62 — GROUND-WATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL
- VW-3 — VADOSE MONITORING WELL
- 321.0 — GROUND-WATER ELEVATION CONTOUR IN FEET ABOVE MEAN SEA LEVEL
- 0.03 — APPROXIMATE DIRECTION OF GROUND-WATER FLOW. GRADIENT INDICATED IN FEET / FEET

NORTH

0 20 40 80 FEET

APPROXIMATE SCALE

REGISTERED GEOLOGIST
JOAN K. HOFER
NO. 1065
CERTIFIED
ENGINEERING
GEOLOGIST
STATE OF CALIFORNIA

NOTES:

TITLE : GROUND-WATER ELEVATION CONTOUR MAP - OCTOBER 4, 1994

LOCATION : FORMER CHEVRON SERVICE STATION #9-2582 7240 DUBLIN BOULEVARD, DUBLIN, CALIFORNIA

SOURCE : RESNA

GEOCONSULTANTS, INC
SAN JOSE, CALIFORNIA
Project No. 0758-09
DRWG NO: W100494 REV:

WELL GAUGING DATA

Project # 940926-102 Date 9/26/94 Client Chevron

Site 7240 Dublin Blvd Dublin

Well I.D.	Well Size (in.)	Sheen/ Odor	Depth to Immiscible Liquid (feet)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to Water (feet)	Depth to Well Bottom (feet)	Survey Point: TOB or TOC
EA 1	4	slo				10.37	37.78	TOC
EA 2	4					9.72	38.63	↓
EA 3	4					10.72	34.32	↓

CHEVRON WELL MONITORING DATA SHEET

Project #: 240926-K2	Station # 9- 2582
Sampler: KB	Date Sampled: 9/28
Well I.D.: EA1	Well Diameter: (circle one) 2 3 (4) 6 ___
Total Well Depth: Before 3978 After	Depth to Water: Before 1037 After
Depth to Free Product: —	Thickness of Free Product (feet):
Measurements referenced to: (PVC) Grade Other --	

17.8	x	3	=	534
1 Case Volume		Specified Volumes		gallons

Purging: Bailer / Middleburg / Electric Submersible / Suction Pump / Type of Installed Pump ____

Sampling: Bailer / Middleburg / Electric Submersible / Suction Pump / Installed Pump — D.SP

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1204	68.5	7.8	2400	—	18	odor
1206	68.2	7.9	2400	—	36	
1209	67.5	7.9	2400	—	54	

Did Well Dewater? N If yes, gals. — Gallons Actually Evacuated: 54

Sampling Time: 1215

Sample I.D.: EA1 Laboratory: Sup

Analyzed for: TPHG, BTEX

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for:

Shipping Notations:

Additional Notations:

CHEVRON WELL MONITORING DATA SHEET

Project #: 940926-K2	Station # 9- 2582
Sampler: KCB	Date Sampled: 9/26
Well I.D.: EA2	Well Diameter: (circle one) 2 3 (4) 6 ___
Total Well Depth: Before 38.63 After	Depth to Water: Before 9.72 After
Depth to Free Product: ___	Thickness of Free Product (feet):
Measurements referenced to: (PVC) Grade Other --	

18.8	x	3	=	56.4
1 Case Volume		Specified Volumes		gallons

Purging: Bailer / Middleburg / Electric Submersible / Suction Pump / Type of Installed Pump ___

Sampling: Bailer Disp / Middleburg / Electric Submersible / Suction Pump / Installed Pump

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1126	68.7	7.4	8400	—	19	
1128	62.2	7.1	8400	—	38	
1131	69.5	7.0	8400	—	57	

Did Well Dewater? N If yes, gals. — Gallons Actually Evacuated: 57

Sampling Time: 1140

Sample I.D.: EA 2 Laboratory: Sp.

Analyzed for: TPHG BTEX

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for:

Shipping Notations:

Additional Notations:

CHEVRON WELL MONITORING DATA SHEET

Project #: 940926-K1	Station # 9- 2582
Sampler: KCB	Date Sampled: 9/26
Well I.D.: EA 3	Well Diameter: (circle one) 2 3 (4) 6 ___
Total Well Depth: Before 34.32 After	Depth to Water: Before 10.72 After
Depth to Free Product: ___	Thickness of Free Product (feet):
Measurements referenced to: (PVC)	Grade Other --

15.3	x	3	=	45.9
1 Case Volume		Specified Volumes		gallons

Purging: Bailer / Middleburg / Electric Submersible ✓ / Suction Pump / Type of Installed Pump ___

Sampling: ~~Bailer~~ Disp / Middleburg / Electric Submersible / Suction Pump / Installed Pump

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1144	69.0	7.4	5000	—	16	
1146	70.1	7.5	4200	—	31	
1148	69.1	7.5	4000	—	46	

Did Well Dewater? N If yes, gals. ___ Gallons Actually Evacuated: 46

Sampling Time: 1200

Sample I.D.: EA 3 Laboratory: Sup

Analyzed for: TPHG, BTEX

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for:

Shipping Notations:

Additional Notations:

WELL GAUGING DATA

Project # 941004-L1 Date 10/04/94 Client 9-2582

Site 7240 DUBLIN BLVD, DUBLIN, CA

Well I.D.	Well Size (in.)	Sheen/ Odor	Depth to Immiscible Liquid (feet)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to Water (feet)	Depth to Well Bottom (feet)	Survey Point: TOB or TOC
EA-1	4	ODOR SHEEN				10.34	38.20	TOC
EA-2	4					9.58	39.02	↓
EA-3	4					10.68	34.66	
MW-1	2					12.80	25.28	
MW-2	2					8.56	19.98	
MW-3	2					12.06	25.30	

CHEVRON WELL MONITORING DATA SHEET

Project #: 941004-L1	Station # 9- 2582
Sampler: LAD	Date Sampled: 10-4-94
Well I.D.: EA-1	Well Diameter: (circle one) 2 3 (4) 6 ___
Total Well Depth: Before 38.20 After	Depth to Water: Before 10.34 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: (PVC) Grade Other --	

18.1	x	3	=	54.3
1 Case Volume		Specified Volumes		gallons

Purging: Bailer; Middleburg; Electric Submersible ✱; Suction Pump; Type of Installed Pump ____

Sampling: Bailer ✱ DISPOS.; Middleburg; Electric Submersible; Suction Pump; Installed Pump

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1030	61.0	7.1	2000.	—	19.	ODOR
1033	61.2	7.1	1700.	—	37.	LIGHT SHEEN
1036	61.8	7.0	1600.	—	55.	

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 55.

Sampling Time: 1045

Sample I.D.: EA-1 Laboratory: SUPERIOR

Analyzed for: TPHG, BTEX

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for:

Shipping Notations:

Additional Notations:

CHEVRON WELL MONITORING DATA SHEET

Project #: 941004-L1	Station # 9-2582
Sampler: LAD	Date Sampled: 10-4-94
Well I.D.: EA-2	Well Diameter: (circle one) 2 3 (4) 6 ___
Total Well Depth: Before 39.02 After	Depth to Water: Before 9.58 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: (PVC) Grade Other --	

19.1	x	3	=	57.3
1 Case Volume		Specified Volumes		gallons

Purging: Bailer
Middleburg
Electric Submersible X
Suction Pump
Type of Installed Pump ___

Sampling: Bailer * DISPOS.
Middleburg
Electric Submersible
Suction Pump
Installed Pump

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
937	61.8	7.2	6200.	—	20.	
940	63.0	7.2	5600.	—	39.	
943	62.0	7.2	6000.	—	58.	

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 58.

Sampling Time: 950

Sample I.D.: EA-2 Laboratory: SUPERIOR

Analyzed for: TPHG, BTEX

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for:

Shipping Notations:

Additional Notations:

CHEVRON WELL MONITORING DATA SHEET

Project #: 941004-L1	Station # 9- 2582
Sampler: LAD	Date Sampled: 10-4-94
Well I.D.: EA-3	Well Diameter: (circle one) 2 3 (4) 6 ___
Total Well Depth: Before 34.66 After	Depth to Water: Before 10.68 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: (PVC) Grade	Other --

15.6	x	3	=	46.8
1 Case Volume		Specified Volumes		gallons

Purging: Bailer
Middleburg
Electric Submersible X
Suction Pump
Type of Installed Pump _____

Sampling: Bailer * DISPOS.
Middleburg
Electric Submersible
Suction Pump
Installed Pump

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1000	64.6	7.2	4300.	—	16.	
1002	64.4	7.2	4000.	—	32.	
1004	64.0	7.1	3500.	—	47.	

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 47.

Sampling Time: 1010

Sample I.D.: EA-3 Laboratory: SUPERIOR

Analyzed for: TPH6, BTEX

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for:

Shipping Notations:

Additional Notations:

CHEVRON WELL MONITORING DATA SHEET

Project #: 941004-L1	Station # 9- 2582
Sampler: LAD	Date Sampled: 10-4-94
Well I.D.: MW-1	Well Diameter: (circle one) (2) 3 4 6 ___
Total Well Depth: Before 25.28 After	Depth to Water: Before 12.80 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: (PVC) Grade Other --	

1 Case Volume	x	Specified Volumes	=	gallons
2.0	x	3	=	6.0

Purging: Bailer * DISPOS. Middleburg Electric Submersible Suction Pump Type of Installed Pump ___

Sampling: Bailer * DISPOS. Middleburg Electric Submersible Suction Pump Installed Pump

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1011	61.2	7.2	2200	—	2.	
1019	60.2	7.0	2000	—	4.	
1026	60.8	7.0	1800	—	6.	

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 6

Sampling Time: 1030

Sample I.D.: MW-1 Laboratory: SUPERIOR

Analyzed for: TPH6, BTEX

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for:

Shipping Notations: CHEVRON LOCK PUT ON CAP

Additional Notations:

CHEVRON WELL MONITORING DATA SHEET

Project #: 941004-L1	Station # 9- 2582
Sampler: LAD	Date Sampled: 10-4-94
Well I.D.: MW-2	Well Diameter: (circle one) (2) 3 4 6 ___
Total Well Depth: Before 19.98 After	Depth to Water: Before 8.56 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: (PVC) Grade	Other --

1 Case Volume	x	Specified Volumes	=	gallons
1.8	x	3	=	5.4

Purging: Bailer X DISPOS. Middleburg Electric Submersible Suction Pump Type of Installed Pump ____

Sampling: Bailer X DISPOS. Middleburg Electric Submersible Suction Pump Installed Pump

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1108	65.2	7.0	1800.	—	2.	
1113	64.8	7.0	1600.	—	4.	
1118	64.4	7.0	1700.	—	6.	

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 6.

Sampling Time: 1125

Sample I.D.: MW-2 Laboratory: SUPERIOR

Analyzed for: TPH6, BTEX

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for:

Shipping Notations:

Additional Notations: CHEVRON LOCK PUT ON CAP

CHEVRON WELL MONITORING DATA SHEET

Project #: 944004-L1	Station # 9- 2582
Sampler: LAD	Date Sampled: 10-4-94
Well I.D.: MW-3	Well Diameter: (circle one) (2) 3 4" 6 ___
Total Well Depth: Before 25.30 After	Depth to Water: Before 12.06 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: (PVC) Grade	Other --

2.1	x	3	=	6.3
1 Case Volume		Specified Volumes		gallons

Purging: Bailer * DISPOS.
Middleburg
Electric Submersible
Suction Pump
Type of Installed Pump ____

Sampling: Bailer * DISPOS.
Middleburg
Electric Submersible
Suction Pump
Installed Pump

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1045	66.4	7.0	2800	—	3.	
1055	65.6	7.0	2805	—	5.	
1102	65.0	7.0	2800	—	7.	

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 7

Sampling Time: 1105

Sample I.D.: MW-3 Laboratory: SUPERIOR

Analyzed for: TPHG, BTEX

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for:

Shipping Notations: CHEVRON LOCK PUT ON CAP

Additional Notations: