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

July 17, 1995

① Need offsite investigation to delineate extent of plume.
② Any remediation going on?

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

Re: Former Chevron Station # 9-2582, 7240 Dublin Blvd., Dublin, CA
Attached groundwater monitoring report (Blaine Tech, 4/10/95)

Dear Ms. Chu:

Attached you will find a report dated April 10, 1995, which was prepared by Chevron's consultant, Blaine Tech Services (Blaine Tech), to describe groundwater monitoring performed at the subject site on March 2, 1995.

During their March site visit Blaine Tech gauged and sampled all six site-related wells. The measured direction of groundwater flow was northwesterly. Groundwater samples from all six wells were analyzed for the presence of TPHGas and BTEX constituents. In addition, well MW-3 was analyzed for MTBE by EPA Method 8240. Dissolved hydrocarbons were detected at all wells except, EA-2 and EA-3. Most of the detected concentrations were consistent with previous measurements. The measured concentrations at well MW-3 were lower than than those detected during the previous quarter (4th, 1994). The observed decrease in concentrations observed at MW-3 suggests that there is no solid trend of increasing concentrations. However, the strong presence of MTBE at well MW-3 does suggest the possibility of a recent (post 1991) release. To confirm this, MTBE will continue to be analyzed for during subsequent monitoring events at all site wells.

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

April 10, 1995

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

1st Quarter 1995 monitoring at 9-2582

First Quarter 1995 Groundwater Monitoring at
Chevron Service Station number 9-2582
7240 Dublin Boulevard
Dublin, California

Monitoring performed on March 2, 1995

Groundwater Sampling Report **950302-K-2**

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.

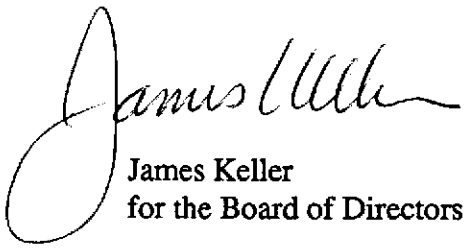
Routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, calculated volume of a three case volume purge, elapsed evacuation time, total volume of water removed, and standard water parameter instrument readings. Sample material 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: Professional Engineering Appendix
Cumulative Table of Well Data and Analytical Results
Analytical Appendix
Field Data Sheets

Professional Engineering Appendix

GEOCONSULTANTS, INC.
Engineering Geology • Hydrogeology
Ground-Water Exploration & Development
Ground-Water Resource Management
1468 Holl Circle, Suite 114
San Jose, California 95112
Telephone: (408) 453-7541
Fax: (408) 453-7543

April 7, 1995
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 March 2, 1995. The ground-water elevation contours extrapolation and the general direction of the ground-water gradient indicated are to be considered only approximate in nature.

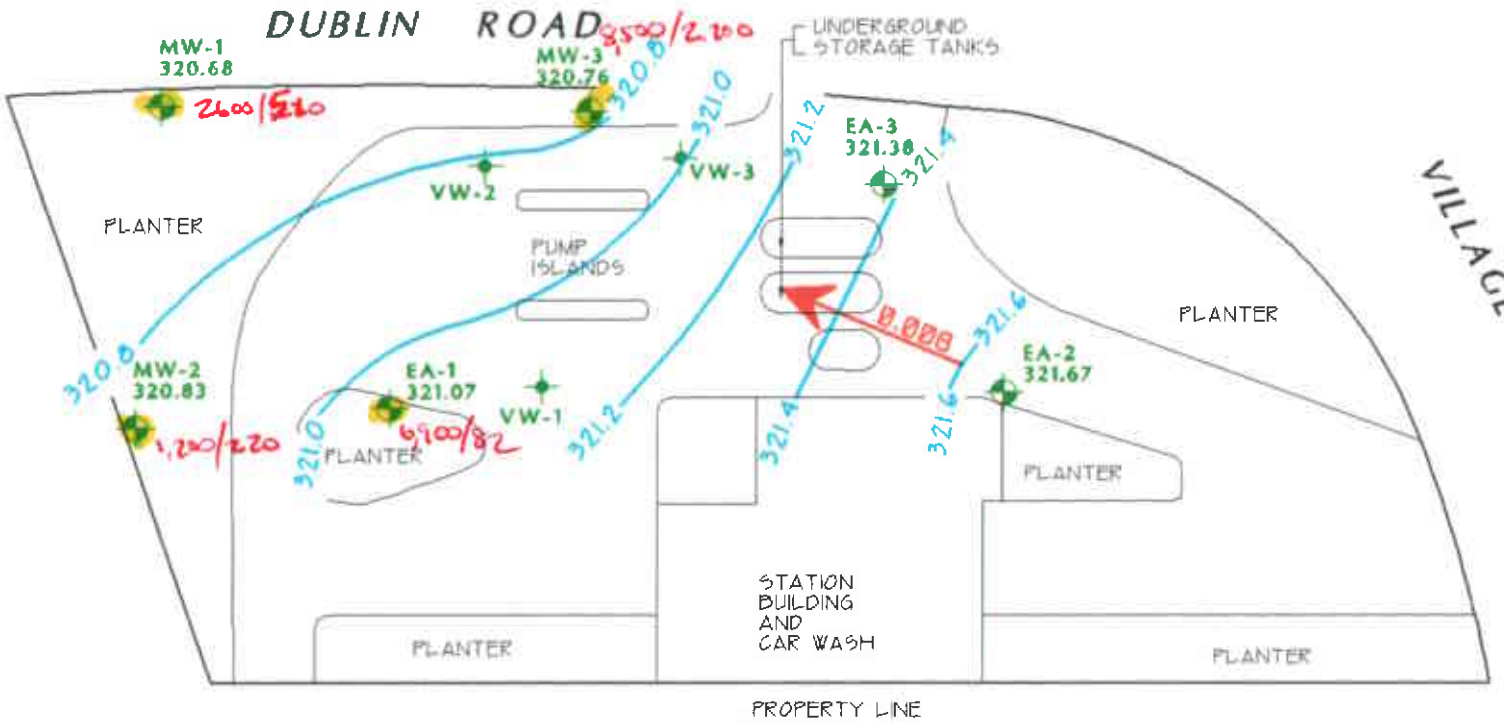
If you have any questions regarding the map, please call.

Very truly yours,

GEOCONSULTANTS, INC.

John K. Hofer
Engineering Geologist, EG-1065

JKH:dw
(CH92582.395)



EXPLANATION

MW-2	GROUND-WATER MONITORING WELL
320.83	GROUND-WATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL
VW-3	VADOSE MONITORING WELL
320.8	GROUND-WATER ELEVATION CONTOUR IN FEET ABOVE MEAN SEA LEVEL
0.008	APPROXIMATE DIRECTION OF GROUND-WATER FLOW. GRADIENT INDICATED IN FEET / FEET

NORTH

0 20 40 80 FEET

APPROXIMATE SCALE

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

NOTES:

ppb TPH-G/benzene (3/2/95)

TITLE : GROUND-WATER ELEVATION CONTOUR MAP - MARCH 2, 1995

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

SOURCE : RESNA

GEOCONSULTANTS, INC
SAN JOSE, CALIFORNIA
Project No. G758-09
DRWG NO: W038295 REV:

Table of
Well Data and
Analytical Results

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
09/20/94	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	--	--
11/30/94	333.41	323.95	9.46	--	8800	180	490	240	900	--	--
03/02/95	331.03	321.07	9.96	--	6900	82	570	210	970	--	--

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	--	--
11/30/94	332.59	323.89	8.70	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/02/95	330.21	321.67	8.54	--	<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	--	--
11/30/94	333.64	323.98	9.66	--	170	6.1	3.0	6.5	28	--	--
03/02/95	331.30	321.38	9.92	--	<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
MW-1											
10/04/94	333.56	320.76	12.80	--	2100	150	170	61	320	--	--
11/30/94	333.56	321.18	12.38	--	1500	210	17	73	130	--	--
03/02/95	333.56	320.68	12.88	--	2600	510	<10	160	<10	--	--
MW-2											
10/04/94	329.18	320.62	8.56	--	2300	160	280	96	480	--	--
11/30/94	329.18	320.85	8.33	--	1600	170	16	110	120	--	--
03/02/95	329.18	320.83	8.35	--	1200	220	5.6	140	36	--	--
MW-3											
10/04/94	332.73	320.67	12.06	--	6300	610	750	68	670	--	--
11/30/94	332.73	321.35	11.38	--	17,000	3600	490	430	610	--	--
03/02/95	332.73	320.76	11.97	--	8500	2200	<50	240	<50	--	64,000
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	--	--
11/30/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/02/95	--	--	--	--	<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

Analytical Appendix

Superior Precision Analytical, Inc.

A member of ESSCON Environmental Support Service Consortium

Blaine Tech Services
985 Timothy Drive
San Jose, CA 95133

Date: March 17, 1995

Attn: Jim Keller

Laboratory Number : 80744

Project Number/Name : 9503 02-K2

This report has been reviewed and

approved for release.

Cecilia Gonguin 3/20/95

Senior Chemist
Account Manager

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

Blaine Tech Services
Attn: Jim Keller

Project 9503 02-K2
Reported on March 17, 1995

Gasoline Range Petroleum Hydrocarbons and BTXE
by EPA SW-846 5030/8015M/8020
Gasoline Range quantitated as all compounds from C6-C10

Chronology

Laboratory Number 80744

Sample ID	Sampled	Received	Extract.	Analyzed	QC Batch	LAB #
EA1	03/02/95	03/03/95	03/09/95	03/09/95	BC091.03	01
EA2	03/02/95	03/03/95	03/09/95	03/09/95	BC091.03	02
EA3	03/02/95	03/03/95	03/09/95	03/09/95	BC091.03	03
MW1	03/02/95	03/03/95	03/09/95	03/09/95	BC091.03	04
MW2	03/02/95	03/03/95	03/14/95	03/14/95	BC091.03	05
MW3	03/02/95	03/03/95	03/09/95	03/09/95	BC091.03	06
TB-LB	03/02/95	03/03/95	03/09/95	03/09/95	BC091.03	07

QC Samples

QC Batch #	QC Sample ID	Type	Ref.	Matrix	Extract.	Analyzed
BC091.03-01	Method Blank	MB		Water	03/09/95	03/09/95
BC091.03-02	RECOVERY WELL	MS	80757-02	Water	03/09/95	03/09/95
BC091.03-03	RECOVERY WELL	MSD	80757-02	Water	03/09/95	03/09/95
BC091.03-04	Method Blank	MB		Water	03/14/95	03/14/95

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

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by EPA SW-846 5030/8015M/8020
Gasoline Range quantitated as all compounds from C6-C10

LAB ID	Sample ID	Matrix	Dil.Factor	Moisture
80744-01	EA1	Water	20.0	-
80744-02	EA2	Water	1.0	-
80744-03	EA3	Water	1.0	-
80744-04	MW1	Water	20.0	-

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

Compound	80744-01 Conc. ug/L	80744-01 RL	80744-02 Conc. ug/L	80744-02 RL	80744-03 Conc. ug/L	80744-03 RL	80744-04 Conc. ug/L	80744-04 RL
Gasoline_Range	6900	1000	ND	50	ND	50	2600	1000
Benzene	82	10	ND	0.5	ND	0.5	510	10
Toluene	570	10	ND	0.5	ND	0.5	ND	10
Ethyl Benzene	210	10	ND	0.5	ND	0.5	160	10
Total Xylenes	970	10	ND	0.5	ND	0.5	ND	10
>> Surrogate Recoveries (%) <<								
Trifluorotoluene (SS)	109		104		104		94	

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LAB ID	Sample ID	Matrix	Dil.Factor	Moisture
80744-05	MW2	Water	5.0	-
80744-06	MW3	Water	100.0	-
80744-07	TB-LB	Water	1.0	-

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

Compound	80744-05 Conc. ug/L	80744-05 RL	80744-06 Conc. ug/L	80744-06 RL	80744-07 Conc. ug/L	80744-07 RL
Gasoline_Range	1200	250	8500	5000	ND	50
Benzene	220	2.5	2200	50	ND	0.5
Toluene	5.6	2.5	ND	50	ND	0.5
Ethyl Benzene	140	2.5	240	50	ND	0.5
Total Xylenes	36	2.5	ND	50	ND	0.5
>> Surrogate Recoveries (%) <<						
Trifluorotoluene (SS)	101		114		114	

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Gasoline Range quantitated as all compounds from C6-C10

Quality Assurance and Control Data

Laboratory Number: 80744
Method Blank(s)

	BC091.03-01		BC091.03-04	
	Conc.	RL	Conc.	RL
	ug/L		ug/L	
Gasoline_Range	ND	50	ND	50
Benzene	ND	0.5	ND	0.5
Toluene	ND	0.5	ND	0.5
Ethyl Benzene	ND	0.5	ND	0.5
Total Xylenes	ND	0.5	ND	0.5
>> Surrogate Recoveries (%) <<				
Trifluorotoluene (SS)	107		118	

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Gasoline Range Petroleum Hydrocarbons and BTXE
by EPA SW-846 5030/8015M/8020
Gasoline Range quantitated as all compounds from C6-C10

Quality Assurance and Control Data

Laboratory Number: 80744

Compound	Sample conc.	SPK Level	SPK Result	Recovery %	Limits %	RPD %
For Water Matrix (ug/L) BC091.03 02 / 03 - Sample Spiked: 80757 - 02						
Gasoline_Range	ND	320	275/319	86/100	65-135	15
Benzene	ND	20	20.1/20.3	101/102	65-135	1
Toluene	ND	20	19.2/19.7	96/99	65-135	3
Ethyl Benzene	ND	20	17.9/18.7	90/94	65-135	4
Total Xylenes	ND	60	53.2/56.0	89/93	65-135	4
>> Surrogate Recoveries (%) <<						
Trifluorotoluene (SS)				115/108	50-150	

Definitions:
ND = Not Detected
RL = Reporting Limit
NA = Not Analysed
RPD = Relative Percent Difference
ug/L = parts per billion (ppb)
mg/L = parts per million (ppm)
ug/kg = parts per billion (ppb)
mg/kg = parts per million (ppm)

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Superior Precision Analytical, Inc.

A member of ESSCON Environmental Support Service Consortium

Blaine Tech Services
985 Timothy Drive
San Jose, CA 95133

Date: March 27, 1995

Attn: Jim Keller

Laboratory Number : 80744

Project Number/Name : 9503 02-K2

This report has been reviewed and

approved for release.

Cecilia G Joaquin 3/27/95
Senior Chemist
Account Manager

Superior Precision Analytical, Inc.

A member of ESSCON Environmental Support Service Consortium

Blaine Tech Services
Attn: Jim Keller

Project 9503 02-K2
Reported on March 27, 1995

EPA SW-846 Method 8240 Volatile Organics by GC/MS

Chronology

Laboratory Number 80744

Sample ID	Sampled	Received	Extract.	Analyzed	QC Batch	LAB #
MW3	03/02/95	03/03/95	03/23/95	03/23/95	BC231.23	06

QC Samples

QC Batch #	QC Sample ID	TypeRef.	Matrix	Extract.	Analyzed
BC231.23-01	Method Blank	MB	Water	03/23/95	03/23/95
BC231.23-02	Laboratory Spike	LS	Water	03/23/95	03/23/95
BC231.23-03	RESEVOIR	MS 80879-01	Water	03/23/95	03/23/95
BC231.23-04	RESEVOIR	MSD 80879-01	Water	03/23/95	03/23/95

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Blaine Tech Services
Attn: Jim Keller

Project 9503 02-K2
Reported on March 27, 1995

EPA SW-846 Method 8240 Volatile Organics by GC/MS

LAB ID	Sample ID	Matrix	Dil.Factor	Moisture
80744-06	MW3	Water	200.0	-

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

Compound	80744-06 Conc. ug/L	RL
Chloromethane	ND	2000
Bromomethane	ND	2000
Vinyl Chloride	ND	2000
Chloroethane	ND	2000
Dichloromethane	ND	2000
Acetone	ND	8000
Carbon Disulfide	ND	600
Trichlorofluoromethane	ND	600
1,1-Dichloroethene	ND	600
1,1-Dichloroethane	ND	600
t-1,2-Dichloroethene	ND	600
Chloroform	ND	600
1,2-Dichloroethane	ND	200
2-Butanone	ND	4000
1,1,1-Trichloroethane	ND	600
Carbon tetrachloride	ND	600
Vinyl Acetate	ND	2000
Bromodichloromethane	ND	600
1,2-Dichloropropane	ND	600
c-1,2-Dichloroethene	ND	600
c-1,3-Dichloropropene	ND	600
Trichloroethene	ND	600
Dibromochloromethane	ND	600
1,1,2-Trichloroethane	ND	600
Benzene	2100	200
t-1,3-Dichloropropene	ND	600
Bromoform	ND	600
4-methyl-2-Pentanone	ND	2000
2-Hexanone	ND	2000
Tetrachloroethene	ND	600
1,1,2,2-Tetrachloroethane	ND	600
Toluene	ND	600
Chlorobenzene	ND	600

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Project 9503 02-K2
Reported on March 27, 1995

EPA SW-846 Method 8240 Volatile Organics by GC/MS

LAB ID	Sample ID	Matrix	Dil.Factor	Moisture
80744-06	MW3	Water	200.0	-

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

Compound	80744-06 Conc. ug/L	RL
Ethyl Benzene	ND	600
Styrene	ND	600
Xylenes	ND	600
1,3-Dichlorobenzene	ND	600
1,4-Dichlorobenzene	ND	600
1,2-Dichlorobenzene	ND	600
Methyl-t-butyl-ether	64000	50000
>> Surrogate Recoveries (%) <<		
1,2-Dichloroethane-d4	102	
Toluene-d8	103	
Bromofluorobenzene	95	

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EPA SW-846 Method 8240 Volatile Organics by GC/MS

Quality Assurance and Control Data

Laboratory Number: 80744
Method Blank(s)

	BC231.23-01 Conc. ug/L	RL
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl Chloride	ND	10
Chloroethane	ND	10
Dichloromethane	ND	10
Acetone	ND	40
Carbon Disulfide	ND	3
Trichlorofluoromethane	ND	3
1,1-Dichloroethene	ND	3
1,1-Dichloroethane	ND	3
t-1,2-Dichloroethene	ND	3
Chloroform	ND	3
1,2-Dichloroethane	ND	1
2-Butanone	ND	20
1,1,1-Trichloroethane	ND	3
Carbon tetrachloride	ND	3
Vinyl Acetate	ND	10
Bromodichloromethane	ND	3
1,2-Dichloropropane	ND	3
c-1,2-Dichloroethene	ND	3
c-1,3-Dichloropropene	ND	3
Trichloroethene	ND	3
Dibromochloromethane	ND	3
1,1,2-Trichloroethane	ND	3
Benzene	ND	1
t-1,3-Dichloropropene	ND	3
Bromoform	ND	3
4-methyl-2-Pentanone	ND	10
2-Hexanone	ND	10
Tetrachloroethene	ND	3
1,1,2,2-Tetrachloroethane	ND	3
Toluene	ND	3
Chlorobenzene	ND	3
Ethyl Benzene	ND	3
Styrene	ND	3
Xylenes	ND	3
1,3-Dichlorobenzene	ND	3
1,4-Dichlorobenzene	ND	3
1,2-Dichlorobenzene	ND	3

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EPA SW-846 Method 8240 Volatile Organics by GC/MS

Quality Assurance and Control Data

Laboratory Number: 80744
Method Blank(s)

	BC231.23-01 Conc. ug/L	 RL
Methyl-t-butyl-ether	ND	100
>> Surrogate Recoveries (%) <<		
1,2-Dichloroethane-d4	98	
Toluene-d8	101	
Bromofluorobenzene	89	

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EPA SW-846 Method 8240 Volatile Organics by GC/MS

Quality Assurance and Control Data

Laboratory Number: 80744

Compound	Sample conc.	SPK Level	SPK Result	Recovery %	Limits %	RPD %
For Water Matrix (ug/L) BC231.23 02 / - Laboratory Control Spikes						
1,1-Dichloroethene		40	39	98	61-145	
Trichloroethene		40	36	90	71-120	
Benzene		40	35	88	76-127	
Toluene		40	36	90	76-125	
Chlorobenzene		40	37	93	75-130	
>> Surrogate Recoveries (%) <<						
1,2-Dichloroethane-d4				103	76-114	
Toluene-d8				101	88-110	
Bromofluorobenzene				86	86-115	
For Water Matrix (ug/L) BC231.23 03 / 04 - Sample Spiked: 80879 - 01						
1,1-Dichloroethene	ND	40	36/36	90/90	61-145	0
Trichloroethene	ND	40	36/35	90/88	71-120	2
Benzene	ND	40	34/34	85/85	76-127	0
Toluene	ND	40	35/35	88/88	76-125	0
Chlorobenzene	ND	40	38/37	95/93	75-130	2
>> Surrogate Recoveries (%) <<						
1,2-Dichloroethane-d4				105/104	76-114	
Toluene-d8				99/102	88-110	
Bromofluorobenzene				91/90	86-115	

Definitions:
ND = Not Detected
RL = Reporting Limit
NA = Not Analysed
RPD = Relative Percent Difference
ug/L = parts per billion (ppb)
mg/L = parts per million (ppm)
ug/kg = parts per billion (ppb)
mg/kg = parts per million (ppm)

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Fax copy of Lab Report and COC to Chevron Contact: ☐ Yes ☐ No 80744

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: 950302-K2
Consultant Name: Blaine Tech Services, Inc.
Address: 985 Timothy Dr., San Jose, CA 95133
Project Contact (Name): Jim Keller
(Phone): (408) 995-5535 (Fax Number): 293-8773

Chevron Contact (Name): Brett Hunter
(Phone): (510) 842-8695
Laboratory Name: Superior
Laboratory Release Number: 2612800
Samples Collected by (Name): Keith Brow
Collection Date: 2/3/95 (3/2 on samples)
Signature: [signature]

Analyses To Be Performed

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
EA1	1	6	W	D	1415	HCL	Y	X					X								DO NOT BILL FOR TB-LB.
EA2	2	3			1249			X													
EA3	3	6			1505			X					X								
MW1	4	3			1330			X													
MW2	5	3			1335			X													
MW3	6	6			1440			X					X								
TB	7	2			–			X													

• PLACE 8240 ANALYSES ON HOLD.
• IF MTBE IS SUSPECTED, CONFIRM WITH "8240 FULL SCAN WITH MTBE"

Please initial:
Samples Stored in ice: yes 4.0°C
Appropriate containers
VOA's
Comments:

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Keith P Br	BTS	3-3-95 2:45P	[signature]	AERO	3-3-95 2:45P
[signature]	AERO	3-3-93 4:47P			
			Received For Laboratory By (Signature): G. Howell 3/3/95 4:45 pm		

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

COC-3.DWG/03 91/HCH

Field
Data
Sheets

WELL GAUGING DATA

Project # 950302-K2 Date 3/2/95 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
EA1	4					996	3765	TOC
EA2	4					854	3458	↓
EA3	4	odor				992	3420	
MW1	2					1288	2492	
MW2	2					835	1971	
MW3	2	odor				1197	2485	

CHEVRON WELL MONITORING DATA SHEET

Project #: 150302-K2	Station # 9-2582
Sampler: KP	Date Sampled: 3/2
Well I.D.: EW1	Well Diameter: (circle one) 2 3 (4) 6 ___
Total Well Depth: Before 37.65 After	Depth to Water: Before 9.96 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: (PVC) Grade Other --	

18.0	x	3	=	54.0
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:
1403	66.8	7.4	1700	—	18	strong gas odor
1405	67.0	7.4	1700	—	36	
1407	66.6	7.4	1800	—	54	

Did Well Dewater? X If yes, gals. ___ Gallons Actually Evacuated: 54.0

Sampling Time: 1415

Sample I.D.: EW1 Laboratory: SP

Analyzed for: TPH, BTEX, 8240

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

Analyzed for:

Shipping Notations:

Additional Notations:

CHEVRON WELL MONITORING DATA SHEET

Project #: 950302-K2	Station # 9-2582
Sampler: KLB	Date Sampled: 3/2
Well I.D.: EA2	Well Diameter: (circle one) 2 3 (4) 6 ___
Total Well Depth: Before 34.58 After	Depth to Water: Before 8.54 After
Depth to Free Product: ___	Thickness of Free Product (feet):
Measurements referenced to: (PVC) Grade	Other --

16.9	x	3	=	50.7
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:
1225	66.4	7.1	8000 N	—	17	
1227	62.0	6.9	8000	—	34	
1230	67.2	7.0	8000	—	51	

Did Well Dewater? N If yes, gals. ___ Gallons Actually Evacuated: 51

Sampling Time: 1240

Sample I.D.: EA2 Laboratory: Sup.

Analyzed for: TPH-G, BTEX

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

Analyzed for:

Shipping Notations:

Additional Notations:

CHEVRON WELL MONITORING DATA SHEET

Project #: 450302-K2	Station # 9-2582
Sampler: KCB	Date Sampled: 3/2/95
Well I.D.: EW3	Well Diameter: (circle one) 2 3 (4) 6 ___
Total Well Depth: Before 34.20 After	Depth to Water: Before 9.92 After
Depth to Free Product: ___	Thickness of Free Product (feet):
Measurements referenced to: (PVC) Grade	Other --

15.8	x	3	=	47.4
1 Case Volume		Specified Volumes		gallons

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

Sampling: Bailer (PVC) / Middleburg / Electric Submersible / Suction Pump / Installed Pump

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1252	68.0	7.0	4800	—	16	slight gas
1254	68.4	6.8	4400	—	32	odor
1256	68.6	6.8	4200	—	48	

Did Well Dewater? N If yes, gals. — Gallons Actually Evacuated: 48

Sampling Time: 1305

Sample I.D.: EW3 Laboratory: STL

Analyzed for: TPH, BTEX, 8240

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

Analyzed for:

Shipping Notations:

Additional Notations:

CHEVRON WELL MONITORING DATA SHEET

Project #:	950302-102	Station #	9-~~5285~~
Sampler:	KEB	Date Sampled:	3/2
Well I.D.:	~~MW~~ 1	Well Diameter: (circle one)	(2) 3 4 6 ___
Total Well Depth: Before	24.92 After	Depth to Water: Before	12.88 After
Depth to Free Product:	—	Thickness of Free Product (feet):	
Measurements referenced to:	(PVC)	Grade	Other --

1.9	x	3	=	5.7
1 Case Volume		Specified Volumes		gallons

Purging: (Bailer) Disp
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:
1318	64.8	7.2	2200	—	2	slight gas odor
1324	65.1	7.2	2000	—	4	
1324	65.4	7.2	2000	—	6	

Did Well Dewater? N If yes, gals. — Gallons Actually Evacuated: 6

Sampling Time: 1330

Sample I.D.: MW1 Laboratory: Sty

Analyzed for: TPHG BTEX

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

Analyzed for:

Shipping Notations:

Additional Notations:

CHEVRON WELL MONITORING DATA SHEET

Project #:	9503021-02	Station #	9-2582
Sampler:	GWS	Date Sampled:	3/2
Well I.D.:	MW2	Well Diameter: (circle one)	(2) 3 4 6 ___
Total Well Depth: Before	19.71 After	Depth to Water: Before	8.35 After
Depth to Free Product:		Thickness of Free Product (feet):	
Measurements referenced to:	(PVC)	Grade	Other --

1.8	x	3	=	5.4
1 Case Volume		Specified Volumes		gallons

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

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

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1342	66.0	7.3	1800	—	2	gas odor
1345	66.6	7.4	1800	—	4	
1349	66.4	7.4	1800	—	5.5	

Did Well Dewater? N If yes, gals. ___ Gallons Actually Evacuated: 5.5

Sampling Time: 1355

Sample I.D.: MW2 Laboratory: Sup

Analyzed for: TPH, BTEX

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

Analyzed for:

Shipping Notations:

Additional Notations:

CHEVRON WELL MONITORING DATA SHEET

Project #:	450302-K2	Station #	9-2582
Sampler:	CWS	Date Sampled:	3/2
Well I.D.:	MW3	Well Diameter: (circle one)	(2) 3 4 6 ___
Total Well Depth: Before	19.97 After	Depth to Water: Before	24.85 After
Depth to Free Product:	—	Thickness of Free Product (feet):	
Measurements referenced to:	(PVC)	Grade	Other --

2.0	x	3	=	6
1 Case Volume		Specified Volumes		gallons

Purging: (Bailer) Disp
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:
1427	68.4	7.4	2200	—	2	strong sa
1435	69.0	7.2	2400	—	4	odor
1433	68.8	7.4	2200	—	6	

Did Well Dewater? (N) If yes, gals. — Gallons Actually Evacuated: 6

Sampling Time: 1440

Sample I.D.: MW3 Laboratory: Sar

Analyzed for: TPH-G, BTEX, 8240

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

Analyzed for:

Shipping Notations:

Additional Notations: