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

December 6, 1994

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

cont. wl sampling. Will there be any overexcavation & delineation of soil contamination before N.A.? Yes, will do SB's to see extent of soil contam.

Re: Former Chevron Service Station No. 9-1723
98th & San Leandro Str., Oakland, California

Dear Ms. Chu :

On November 11, 1994, Blaine Tech sampled and monitored three wells at the above referenced site. Based on the latest sampling results from Blaine Tech, concentrations of TPH-G and BTEX have decreased.

Please refer to the enclosed monitoring and sampling report from Blaine Tech dated November 30, 1994. If you have any questions or comments, please feel free to contact me at (510) 842-8752.

Sincerely,

Chevron U.S.A. Products Co.

Kenneth Kan
Engineer

LKAN/MacFile 9-1723R8

Enclosure

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

Mr. Ron Hothem
Pacific American Management Co.
369 Broadway
San Francisco, CA 94133

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

BLAINE
TECH SERVICES INC.

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

November 30, 1994

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

4th Quarter 1994 Monitoring at 9-1723

Fourth Quarter 1994 Groundwater Monitoring at
Chevron Service Station Number 9-1723
9757 San Leandro Street
Oakland, CA

Monitoring Performed on November 11, 1994

Groundwater Sampling Report **941111-K-1**

This report covers the routine quarterly monitoring of groundwater wells at this Chevron facility. Blaine Tech Services, Inc.'s 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.

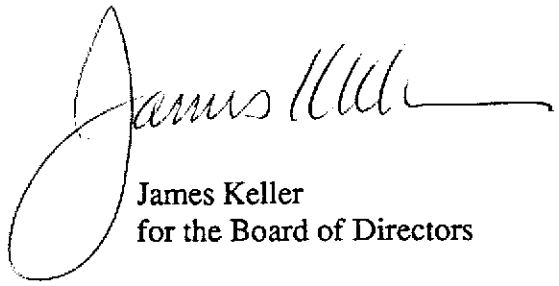
Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL DATA AND ANALYTICAL RESULTS**. The full analytical report for the most recent samples is located in the **Analytical Appendix**. The table also contains new groundwater 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 upon 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.

Please call if you have any questions.

Yours truly,

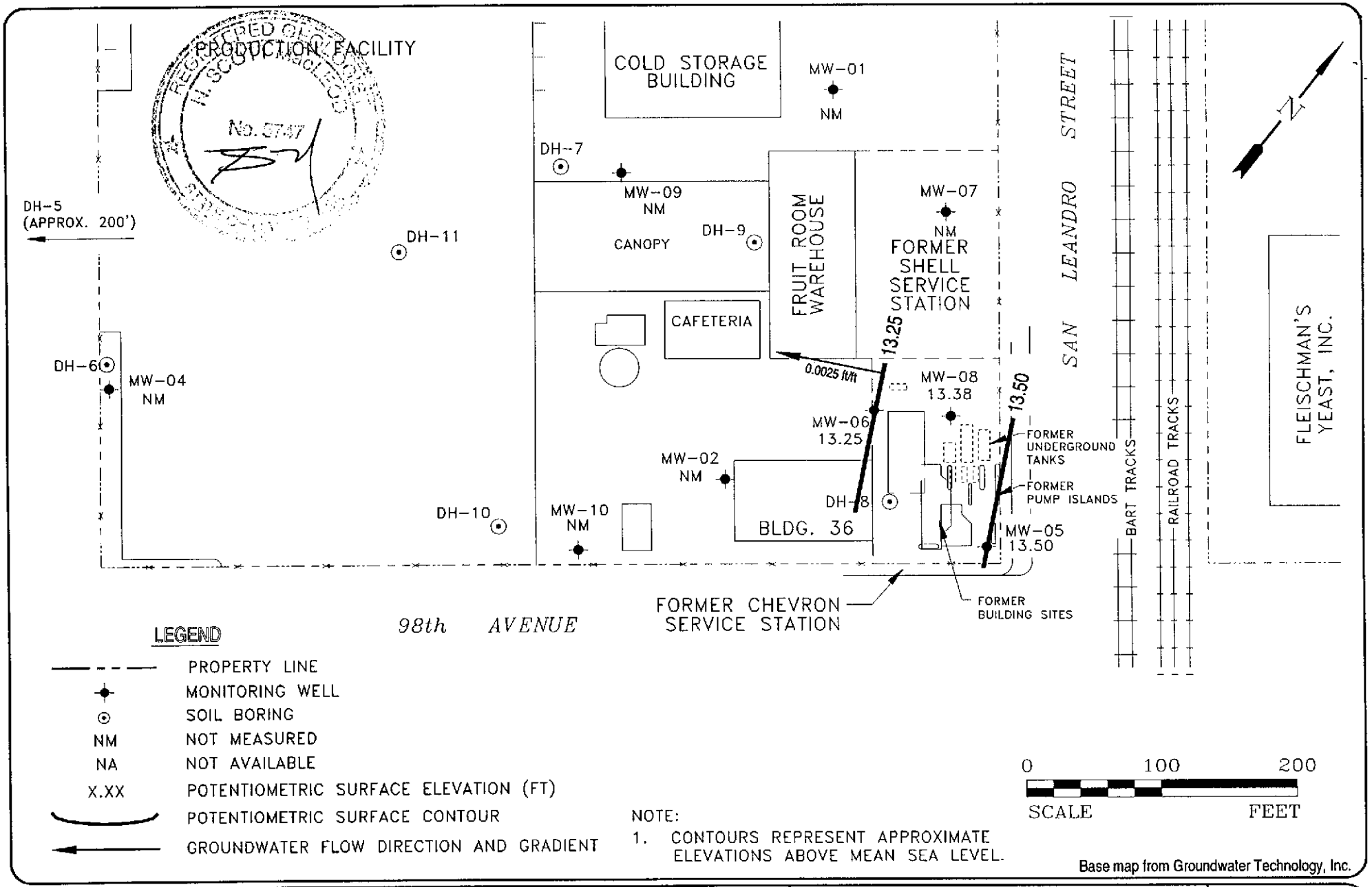


James Keller
for the Board of Directors

JPK/dk

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

Professional Engineering Appendix



CAMBRIA
Environmental Technology, Inc.

Chevron Facility 9-1723
9757 San Leandro Street
Oakland, California

Ground Water Elevation
November 11, 1994

FIGURE
1

Table of
Field Data and
Analytical Results

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	Lead
MW-1										
11/02/93	20.92	10.68	10.24	--	--	--	--	--	--	--
02/10/94	20.92	--	--	--	--	--	--	--	--	--
05/12/94	20.92	--	--	--	--	--	--	--	--	--
08/26/94	20.92	--	--	Suspended	--	--	--	--	--	--
MW-2										
11/02/93	21.31	10.83	10.48	--	--	--	--	--	--	--
02/10/94	21.31	--	--	--	--	--	--	--	--	--
05/12/94	21.31	11.94	9.37	--	390	6.8	2.0	6.3	14	--
08/26/94	21.31	--	--	Sampled Biannually	--	--	--	--	--	--
MW-4										
11/02/93	--	--	10.23	--	--	--	--	--	--	--
02/10/94	--	--	--	--	--	--	--	--	--	--
05/12/94	--	--	--	--	--	--	--	--	--	--
08/26/94	--	--	--	Suspended	--	--	--	--	--	--
MW-5										
11/02/93	21.84	11.15	10.69	--	790	43	3.4	22	12	<400
02/10/94	21.84	13.10	8.74	--	1400	52	3.0	50	40	--
05/12/94	21.84	12.40	9.44	--	1800	87	6.2	77	66	--
08/26/94	21.84	--	--	--	--	--	--	--	--	--
11/11/94	21.84	13.50	8.34	--	380	18	<1.0	18	11	--

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	Lead
MW-6										
11/02/93	21.71	10.93	10.78	--	300	19	1.8	2.5	5.0	<400
02/10/94	21.71	12.86	8.85	--	200	10	0.9	2.0	4.0	--
05/12/94	21.71	12.08	9.63	--	210	10	1.1	1.2	3.1	--
08/26/94	21.71	10.82	10.89	--	310	16	1.4	2.3	7.1	--
11/11/94	21.71	13.25	8.46	--	<50	1.3	<0.5	<0.5	1.0	--
MW-7										
11/02/93	20.95	10.88	10.07	--	--	--	--	--	--	--
02/10/94	20.95	--	--	--	--	--	--	--	--	--
05/12/94	20.95	--	--	--	--	--	--	--	--	--
08/26/94	20.95	--	--	Suspended	--	--	--	--	--	--
MW-8										
11/02/93	21.84	11.02	10.82	--	15,000	2000	440	420	1400	<400
02/10/94	21.84	12.97	8.87	--	6500	1200	380	250	7900	--
05/12/94	21.84	12.19	9.65	--	30,000	1400	2900	800	3800	--
08/26/94	21.84	10.90	10.94	--	17,000	720	200	330	930	--
11/11/94	21.84	13.38	8.46	--	6800	250	170	190	650	--
MW-9										
11/02/93	20.55	10.53	10.02	--	--	--	--	--	--	--
02/10/94	20.55	--	--	--	--	--	--	--	--	--
05/12/94	20.55	11.60	8.95	--	<50	<0.5	<0.5	<0.5	<0.5	--
08/26/94	20.55	--	--	Sampled Biannually	--	--	--	--	--	--

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	Lead
MW-10										
11/02/93	21.25	10.93	10.32	--	--	--	--	--	--	--
02/10/94	21.25	--	--	--	--	--	--	--	--	--
05/12/94	21.25	--	--	--	--	--	--	--	--	--
08/26/94	21.25	--	--	--	--	--	--	--	--	--
RINSATE										
02/10/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
TRIP BLANK										
02/10/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
05/12/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
08/26/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/11/94	--	--	--	--	<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 November 1, 1994. Earlier field data and analytical results are drawn from the September 14, 1994 Groundwater Technology, Inc. report.

ABBREVIATIONS:
TPH = Total Petroleum Hydrocarbons

Analytical Appendix

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
1900 Bates Avenue, Suite L, Concord, CA 94520, (510) 686-9600, FAX (510) 686-9689
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Blaine Technical Services	Client Proj. ID: Chevron 9-1723	Sampled: 11/11/94
985 Timothy Drive	Sample Descript: MW5	Received: 11/15/94
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 11/18/94
Attention: Jim Keller	Lab Number: 9411A79-01	Reported: 11/21/94

QC Batch Number: GC111894BTEX06A
Instrument ID: GCHP06

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**100**	**380**
Benzene	**1.0**	**18**
Toluene	1.0	N.D.
Ethyl Benzene	**1.0**	**18**
Xylenes (Total)	**1.0**	**11**
Chromatogram Pattern:		
Weathered Gas		**C6-C12**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	104

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Suzanne Chin
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
1900 Bates Avenue, Suite L, Concord, CA 94520, (510) 686-9600, FAX (510) 686-9689
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Blaine Technical Services
985 Timothy Drive
San Jose, CA 95133

Attention: Jim Keller

Client Proj. ID: Chevron 9-1723
Sample Descript: MW6
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9411A79-02

Sampled: 11/11/94
Received: 11/15/94

Analyzed: 11/18/94
Reported: 11/21/94

QC Batch Number: GC111894BTEX06A
Instrument ID: GCHP06

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	**0.50**	**1.3**
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	**0.50**	**1.0**
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	95

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Suzanne Chin
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
1900 Bates Avenue, Suite L, Concord, CA 94520, (510) 686-9600, FAX (510) 686-9689
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Blaine Technical Services	Client Proj. ID: Chevron 9-1723	Sampled: 11/11/94
985 Timothy Drive	Sample Descript: MW8	Received: 11/15/94
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 11/18/94
Attention: Jim Keller	Lab Number: 9411A79-03	Reported: 11/21/94

QC Batch Number: GC111894BTEX06A
Instrument ID: GCHP06

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**2500**	**6800**
Benzene	**25**	**250**
Toluene	**25**	**170**
Ethyl Benzene	**25**	**190**
Xylenes (Total)	**25**	**650**
Chromatogram Pattern:		**Gas**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	103

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Suzanne Chin
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
1900 Bates Avenue, Suite L, Concord, CA 94520, (510) 686-9600, FAX (510) 686-9689
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Blaine Technical Services	Client Proj. ID: Chevron 9-1723	Sampled: 11/11/94
985 Timothy Drive	Sample Descript: TB	Received: 11/15/94
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 11/18/94
Attention: Jim Keller	Lab Number: 9411A79-04	Reported: 11/21/94

QC Batch Number: GC111894BTEX06A
Instrument ID: GCHP06

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	96

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Suzanne Chin
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
1900 Bates Avenue, Suite L, Concord, CA 94520, (510) 686-9600, FAX (510) 686-9689
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Blaine Tech Services, Inc.
985 Timothy Drive
San Jose, CA 95133
Attention: Jim Keller

Client Project ID: Chevron, 9-1723
Matrix: Liquid
Work Order #: 9411A79 -01- 04

Reported: Nov 28, 1994

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC111894BTEX06A	GC111894BTEX06A	GC111894BTEX06A	GC111894BTEX06A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	N.A.	N.A.	N.A.	N.A.
Analyst:	C.Donohue	C.Donohue	C.Donohue	C.Donohue
MS/MSD #:	G9411A77-05B	G9411A77-05B	G9411A77-05B	G9411A77-05B
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	N.A.	N.A.	N.A.	N.A.
Analyzed Date:	11/18/94	11/18/94	11/18/94	11/18/94
Instrument I.D.#:	GCHP6	GCHP6	GCHP6	GCHP6
Conc. Spiked:	10 ug/L	10 ug/L	10 ug/L	30 ug/L
Result:	10	10	10	31
MS % Recovery:	100	100	100	103
Dup. Result:	9.5	9.6	9.7	28
MSD % Recov.:	95	96	97	93
RPD:	5.1	4.1	3.0	10
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:				
Prepared Date:				
Analyzed Date:				
Instrument I.D.#:				
Conc. Spiked:				
LCS Result:				
LCS % Recov.:				
MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL

Suzanne Chin
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

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

Chain-of-Custody-Record

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

Chevron Facility Number 9-1723
Facility Address 9757 San Leandro St., Oakland, CA
Consultant Project Number
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) Kenneth Kan
(Phone) (510) 842-8752
Laboratory Name Sequoia
Laboratory Release Number 2107021
Samples Collected by (Name) Keith Brown
Collection Date 11/11/94
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
MW5	01+C	3	W	D	1050	HCl	Y	X												9411A79
MW6	02	3	↓	↓	1145	↓	↓	X												
MW8	03	3	↓	↓	1005	↓	↓	X												
TB	04/AB	2	↓		–	↓	↓	X												

DO NOT BILL FOR TB-LB.

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Keith Brown	BTS	11/13/94 1530	[illegible]	SEQUOIA	11/15 8:30
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
[illegible]		11/15 4:50			
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time
			[illegible]		11/15/94 1620

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 # 941111-K1 Date 11/11/94 Client Chevron

Site 9757 San Leandro St. Oakland

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
MW5	2					8.34	17.44	TOC
MW6	2					8.46	19.23	↓
MW8	2	odor				8.46	18.89	↓

CHEVRON WELL MONITORING DATA SHEET

Project #: 94111-K1	Station # 9- 1723
Sampler: KCB	Date Sampled: 11/11
Well I.D.: MW5	Well Diameter: (circle one) (2) 3 4 6 ___
Total Well Depth: Before 1744 After	Depth to Water: Before 834 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: (PVC) Grade Other --	

1.5	x	3	=	4.5
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:
1020	69.2	8.0	1000	—	1.5	slight odor
1023	68.7	8.0	1000	—	3.0	oil sheen
1025	68.6	8.0	1000	—	4.5	silty

Did Well Dewater? ~~y~~ / If yes, gals. — Gallons Actually Evacuated: 4.5

Sampling Time: 1030

Sample I.D.: MW5 Laboratory: Seq

Analyzed for: TOHC, BTEX

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

Analyzed for:

Shipping Notations:

Additional Notations:

CHEVRON WELL MONITORING DATA SHEET

Project #: 941111-K1	Station # 9- 1723
Sampler: KGB	Date Sampled: 11/11
Well I.D.: MW6	Well Diameter: (circle one) (2) 3 4 6 ___
Total Well Depth: Before 1923 After	Depth to Water: Before 846 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: (PVC) Grade	Other --

1.7	x	3	=	5.1
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:
932	68.4	7.6	1400	—	1.75	Brown, Hy
935	71.1	7.6	1400	—	3.50	silty water
939	71.4	7.6	1400	—	5.25	

Did Well Dewater? N If yes, gals. — Gallons Actually Evacuated: 525

Sampling Time: 945

Sample I.D.: MW6 Laboratory: Seq

Analyzed for: TPHG, BTEX

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

Analyzed for:

Shipping Notations:

Additional Notations:

CHEVRON WELL MONITORING DATA SHEET

Project #: 94111-K1	Station # 9- 1723
Sampler: KCB	Date Sampled: 11/11
Well I.D.: MW 8	Well Diameter: (circle one) (2) 3 4 6 ___
Total Well Depth: Before 1889 After	Depth to Water: Before 846 After
Depth to Free Product: —	Thickness of Free Product (feet):
Measurements referenced to: (PVC) Grade	Other --

1.7	x	3	=	5.1
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:
951	71.5	7.8	1200	—	2	Hydrocarbon, gas
954	71.0	8.0	1100	—	4	odor - silty
957	70.8	8.0	1200	—	5.5	

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

Sampling Time: 1005

Sample I.D.: MW 8 Laboratory: Sey

Analyzed for: TPH,

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

Analyzed for:

Shipping Notations:

Additional Notations: