



Chevron

February 8, 1995

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

Ms. Jennifer Eberle
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Former Chevron Service Station #9-0020
1633 Harrison Street, Oakland, CA

Dear Ms. Eberle:

Enclosed is the most recent sampling data from ground water monitor well MW-7 which was sampled on January 17, 1995, per your request.

If you have any questions or comments, please do not hesitate to contact me at (510) 842-8134.

Sincerely,
CHEVRON U.S.A. PRODUCTS COMPANY


Mark A. Miller
Site Assessment and Remediation Engineer

Enclosure

cc: Ms. B.C. Owen

The Oakland Housing Authority
Attn.: Mr. Harold Davis
1619 Harrison Street
Oakland, CA 94612

RECEIVED
FEB 10 1995
10 11 AM '95

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	TOG
MW-7										
04/23/89	29.01	10.02	18.99	--	--	--	--	--	--	--
04/24/89	29.01	--	--	*	8400	100	260	160	1300	<3.0
07/28/89	29.01	9.07	19.94	--	7000	230	90	70	440	<3000
07/28/89	29.01	--	--	Duplicate	6000	280	180	58	430	--
10/30/89	29.01	9.04	19.97	--	10,000	570	55	160	400	--
10/30/89	29.01	--	--	Duplicate	9900	520	82	180	410	--
01/09/90	29.01	8.86	20.15	--	3400	290	72	9.0	200	--
04/18/90	29.01	8.64	20.37	--	6800	350	140	110	400	--
06/22/90	29.01	8.61	20.40	--	--	--	--	--	--	--
08/09/90	29.01	8.63	20.38	--	11,000	360	130	14	660	--
11/13/90	29.01	8.60	20.41	--	6500	230	110	97	460	--
05/15/91	29.01	8.54	20.47	--	4600	180	55	46	300	--
08/27/91	29.01	8.87	20.14	--	7000	220	53	63	340	--
11/15/91	29.01	8.79	20.22	--	3300	150	19	4.9	200	--
02/20/92	29.01	8.69	20.32	--	5200	520	150	100	380	--
06/15/92	29.01	9.03	19.98	--	10,000	760	430	320	1100	--
12/16/92	29.01	8.87	20.14	--	11,000	810	350	280	1100	--
04/07/93	29.01	9.87	19.14	--	150	1.4	0.9	0.9	4.5	--
06/09/93	29.01	9.96	19.05	--	180	4.0	1.0	1.0	3.0	--
09/10/93	29.01	--	--	--	--	--	--	--	--	--
09/27/93	29.01	--	--	--	--	--	--	--	--	--
12/17/93	29.01	--	--	--	--	--	--	--	--	--
03/10/94	29.01	--	--	--	--	--	--	--	--	--
06/16/94	29.01	--	--	--	--	--	--	--	--	--
09/07/94	29.01	--	--	--	--	--	--	--	--	--
11/30/94	29.01	--	--	Inaccessible	--	--	--	--	--	--
01/17/95	29.01	17.39	11.62	--	2700 ✓	140 ✓	65	44	200	--

* See Table 2 of Additional Analyses.

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	TOG
TRIP BLANK										
11/03/88	--	--	--	--	--	<1.0	<1.0	<1.0	<1.0	--
02/10/89	--	--	--	--	<50	<0.1	<0.1	<0.1	<0.2	--
04/24/89	--	--	--	--	<50	<0.5	<0.5	<1.0	<1.0	--
07/28/89	--	--	--	--	<50	<0.1	<0.1	<0.1	<0.2	--
10/30/89	--	--	--	--	<500	<0.3	<0.3	<0.3	<0.6	--
01/09/90	--	--	--	--	<50	<0.3	<0.3	<0.3	<0.6	--
04/18/90	--	--	--	--	<50	<0.3	<0.3	<0.3	<0.6	--
06/22/90	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
08/09/90	--	--	--	--	<50	<0.3	<0.3	<0.3	<0.6	--
11/13/90	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
05/15/91	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
08/27/91	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/15/91	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
02/20/92	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/15/92	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/16/92	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/07/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
06/09/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/10/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/27/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/17/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/10/94	--	--	--	--	<50	<0.5	0.6	<0.5	0.6	--
06/16/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/07/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/30/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/17/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--



Blaine Technical Services	Client Proj. ID: 950117-L1, Chevron 9-0020	Sampled: 01/17/95
985 Timothy Drive	Sample Descript: MW-7	Received: 01/18/95
San Jose, CA 95133	Matrix: LIQUID	
Attention: Jim Keller	Analysis Method: 8015Mod/8020	Analyzed: 01/20/95
	Lab Number: 9501919-01	Reported: 01/23/95

QC Batch Number: GC012095BTEX17A
Instrument ID: GCHP17

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	500	2700
Benzene	5.0	140
Toluene	5.0	65
Ethyl Benzene	5.0	44
Xylenes (Total)	5.0	200
Chromatogram Pattern:		Gas

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	88

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

SEQUOIA ANALYTICAL - ELAP #1210


Suzanne Chin
Project Manager





Blaine Technical Services 985 Timothy Drive San Jose, CA 95133 Attention: Jim Keller	Client Proj. ID: 950117-L1, Chevron 9-0020 Sample Descript: TB Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9501919-02	Sampled: 01/17/95 Received: 01/18/95 Analyzed: 01/19/95 Reported: 01/23/95
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QC Batch Number: GC011995BTEX03A
Instrument ID: GCHP03

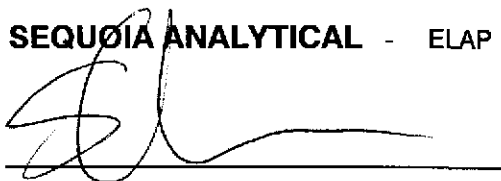
Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

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	83

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

SEQUOIA ANALYTICAL - ELAP #1210



Suzanne Chin
Project Manager





Blaine Technical Services Client Project ID: 950117-L1, Chevron 9-0020
 985 Timothy Drive Matrix: LIQUID
 San Jose, CA 95133
 Attention: Jim Keller Work Order #: 9501919 01 Reported: Jan 23, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC012095BTEX17A	GC012095BTEX17A	GC012095BTEX17A	GC012095BTEX17A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	J. Minkel	J. Minkel	J. Minkel	J. Minkel
MS/MSD #:	950172509	950172509	950172509	950172509
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	1/20/95	1/20/95	1/20/95	1/20/95
Analyzed Date:	1/20/95	1/20/95	1/20/95	1/20/95
Instrument I.D.#:	GCHP17	GCHP17	GCHP17	GCHP17
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	10	10	10	30
MS % Recovery:	100	100	100	100
Dup. Result:	9.9	10	10	30
MSD % Recov.:	99	100	100	100
RPD:	1.0	0.0	0.0	0.0
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	71-133	72-128	72-130	71-120
LCS				
Control Limits				

SEQUOIA ANALYTICAL

Suzanne Chin
 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

9501919.BLA <1>





Blaine Technical Services 985 Timothy Drive San Jose, CA 95133 Attention: Jim Keller	Client Project ID: 950117-L1, Chevron 9-0020 Matrix: LIQUID Work Order #: 9501919 02	Reported: Jan 23, 1995
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QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC011995BTEX03A	GC011995BTEX03A	GC011995BTEX03A	GC011995BTEX03A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	J. Minkel	J. Minkel	J. Minkel	J. Minkel
MS/MSD #:	950172901	950172901	950172901	950172901
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	1/19/95	1/19/95	1/19/95	1/19/95
Analyzed Date:	1/19/95	1/19/95	1/19/95	1/19/95
Instrument I.D.#:	GCHP3	GCHP3	GCHP3	GCHP3
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	9.2	9.2	9.2	27
MS % Recovery:	92	92	92	90
Dup. Result:	9.8	9.7	9.7	29
MSD % Recov.:	98	97	97	97
RPD:	6.3	5.3	5.3	7.1
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
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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.

SEQUOIA ANALYTICAL

Suzanne Chin
Suzanne Chin
Project Manager

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

9501919.BLA <2>



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408 293 8773

BLAINE TECH SERVICES

JAN 18 '95 (WED) 16:38
005-3090/03 91/00H

Fax copy of Lab Report and COC to Chevron Contact: Yes No **Chain-of-Custody-Record**

Chevron Facility Number 9-0020
Facility Address 1633 Harrison St., Oakland, CA
Chevron U.S.A. Inc.
P.O. BOX 5004
San Ramon, CA 94583
FAX (415)842-9591

Consultant Project Number 950117-11
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) 408 293-8773

Chevron Contact (Name) Mark Miller
(Phone) (510) 842-8134
Laboratory Name Sequoia
Laboratory Release Number 2172400
Samples Collected by (Name) LAD B OLVER
Collection Date 1-17-95
Signature [Signature]

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water C = Chemical	Type C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analytes To Be Performed										DO NOT BILL FOR TB-LB	Remarks				
								BTEX + TPH GAS (8020 + 8015)	TPH Digest (8019)	Oil and Grease (8030)	Polycyclic Hydrocarbons (8107)	Purgeable Aromatics (8080)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd, Cr, Pb, Zn, Ni (04P or 04)								
MW-7		3	W		9:30	HCL	YES	X															
TB		2	W			HCL	YES	X															

Relinquished By (Signature) <u>[Signature]</u>	Organization <u>BTS</u>	Date/Time <u>1-17-95 10:25</u>	Received By (Signature) <u>[Signature]</u>	Organization <u>Sequoia</u>	Date/Time <u>1-17-95 10:25</u>	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 5 Days <u>[Signature]</u>
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time	