STID 3961

Chevron

- corrected lab reports and tables for 1st qtr 1999 report

June 25, 1999

Chevron Products Company
6001 Bollinger Canyon Road
Building L, Room 1080
PO Box 6004
San Ramon, CA 94583-0904

Philip R. Briggs
Project Manager
Site Assessment & Remediation
Phone 925 842-9136
Fax 925 842-8370

Mr. Scott Seery
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Chevron Service Station #9-3322
7225 Bancroft Avenue, Oakland, California

Dear Mr. Seery:

Enclosed are amended pages to the First Quarter Groundwater Monitoring Report for 1999 for the above noted site. These amended pages were prepared by Sequoia Analytical and are to replace the existing pages of the report with these amended pages.

A question was raised to Sequoia on the low concentration of TPH-g in relation to the concentration of benzene in monitoring wells MW-1 and MW-3. They reviewed their analytical data and determined that an inadvertent error was made in reporting the TPH-g concentrations. They were off by a factor of ten times. All of the other concentrations are correct.

The correct concentrations for the TPH-g analyte in wells MW-1 and MW-3 are 110,000 and 47,000 ppb, respectively vs. the original values of 11,000 and 4,700.

Chevron will insure that this situation does not occur in future reports, by addressing any discrepancies prior to sending the report to your office. If you have any questions, call me at (925) 842-9136.

Sincerely,
CHEVRON PRODUCTS COMPANY

Philip R. Briggs
Site Assessment and Remediation Project Manager

Enclosure

Cc. Mr. Bill Scudder, Chevron

BLAINE
TECH SERVICES INC

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
(408) 573-7771 FAX
(408) 573-0555 PHONE

May 26, 1999

Mr. Phil Briggs
Chevron U.S.A. Products Company
P.O. Box 6004
San Ramon, CA 94583-0904

Re: Chevron Service Station #9-3322, 7225 Bancroft Ave., Oakland, CA.

Dear Mr. Phil Briggs,

Please find attached **amended pages to the First Quarter 1999 sampling report 990203-K-4 for the site listed above.** Please replace the existing pages with the amended pages.

If you have any questions or comments, I can be reached at (408) 573-0555, ext. 206.

Sincerely,

Christine Lillie

Christine Lillie
Project Coordinator

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	MTBE
MW-1										
02/08/98	40.41	26.53	13.88	--	130,000	9700	8200	3200	15,000	<250
06/16/98	40.41	26.18	14.23	--	96,000	15,000	12,000	2600	11,000	1300
07/29/98	40.41	22.59	17.82	--	370,000	19,000	14,000	5800	15,000	<2500
08/13/98	40.41	22.01	18.40	--	120,000	19,000	16,000	2900	14,000	<1000
11/24/98	40.41	19.61	20.80	--	100,000	26,000	18,000	4000	22,000	2000
02/03/99	40.41	22.96	17.45	--	110,000	27,000	16,000	3800	22,000	<2.5
MW-2										
02/08/98	38.73	31.13	7.60	--	24,000	130	170	450	1900	2300
06/16/98	38.73	29.61	9.12	--	8900	31	46	310	1100	260
07/29/98	38.73	27.06	11.67	--	7600	15	21	150	480	82
08/13/98	38.73	26.32	12.41	--	14,000	26	80	500	2100	32
11/24/98	38.73	23.10	15.63	--	37,000	63	220	1300	7100	770
02/03/99	38.73	27.16	11.57	--	16,000	140	110	850	3100	900
MW-3										
02/08/98	39.51	24.91	14.60	--	94,000	12,000	4400	2000	10,000	8000
06/16/98	39.51	25.53	13.98	--	38,000	5600	1400	1200	4700	6300
06/16/98	39.51	25.53	13.98	Confirmation run	--	--	--	--	--	4600
07/29/98	39.51	22.14	17.37	--	58,000	4100	700	1300	4200	4100
08/13/98	39.51	21.29	18.22	--	43,000	6800	1900	1600	6800	2300
11/24/98	39.51	19.06	20.45	--	40,000	5000	800	1600	6800	6000
11/24/98	39.51	19.06	20.45	Confirmation run	--	--	--	--	--	4400
02/03/99	39.51	22.03	17.48	--	47,000	7100	1600	1900	9000	5000

Corrected values

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services	Client Proj. ID: Chevron 9-3322/990203-K4	Received: 02/04/99
1680 Rogers Avenue		
San Jose, CA 95112	Lab Proj. ID: 9902264	Reported: 05/11/99
Attention: Christine Lillie		

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 7 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

TPH-GAS/BTEX: The samples were analyzed at Sequoia Walnut Creek.

Sample ID 9902264: Sample #2 was diluted 20 fold.
Sample #3 was diluted 100 fold.

TPPH W/BTEX and MTBE:
Samples #1 and #2 were revised and reissued on May 11, 1999 with corrected results.

SEQUOIA ANALYTICAL

Mei Mei Shin
Project Manager

Sequoia Analytical

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Blaine Tech Services	Client Proj. ID: Chevron 9-3322/990203-K4	Sampled: 02/03/99
1680 Rogers Avenue	Sample Descript: MW-1	Received: 02/04/99
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 02/16/99
Attention: Christine Lillie	Lab Number: 9902264-01	Reported: 05/11/99

QC Batch Number: GC021699802002A

Total Purgeable Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**50**	**110000**
Methyl t-Butyl Ether	2.5	N.D.
Benzene	**0.50**	**27000**
Toluene	**0.50**	**16000**
Ethyl Benzene	**0.50**	**3800**
Xylenes (Total)	**0.50**	**22000**
Chromatogram Pattern:		**GAS**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	92

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

SEQUOIA ANALYTICAL - ELAP #1271

Mei Mei Shin
Project Manager

Sequoia Analytical

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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services	Client Proj. ID: Chevron 9-3322/990203-K4	Sampled: 02/03/99
1680 Rogers Avenue	Sample Descript: MW-2	Received: 02/04/99
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 02/17/99
Attention: Christine Lillie	Lab Number: 9902264-02	Reported: 05/11/99

QC Batch Number: GC021799802005A

Total Purgeable Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**1000**	**16000**
Methyl t-Butyl Ether	**50**	**900**
Benzene	**10**	**140**
Toluene	**10**	**110**
Ethyl Benzene	**10**	**850**
Xylenes (Total)	**10**	**3100**
Chromatogram Pattern:		**GAS**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	97

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

SEQUOIA ANALYTICAL - ELAP #1271

Mei Mei Shin
Project Manager

Sequoia Analytical

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Blaine Tech Services	Client Proj. ID: Chevron 9-3322/990203-K4	Sampled: 02/03/99
1680 Rogers Avenue	Sample Descript: MW-3	Received: 02/04/99
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 02/16/99
Attention: Christine Lillie	Lab Number: 9902264-03	Reported: 05/11/99

QC Batch Number: GC021699802002A

Total Purgeable Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**5000**	**47000**
Methyl t-Butyl Ether	**250**	**5000**
Benzene	**50**	**7100**
Toluene	**50**	**1600**
Ethyl Benzene	**50**	**1900**
Xylenes (Total)	**50**	**9000**
Chromatogram Pattern:		

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 #1271

Mei Mei Shin
Project Manager

Sequoia Analytical

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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services	Client Proj. ID: Chevron 9-3322/990203-K4	Sampled: 02/03/99
1680 Rogers Avenue	Sample Descript: TB	Received: 02/04/99
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 02/16/99
Attention: Christine Lillie	Lab Number: 9902264-04	Reported: 05/11/99

QC Batch Number: GC021699802002A

Total Purgeable Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	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	105

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

SEQUOIA ANALYTICAL - ELAP #1271

Mei Mei Shin
Project Manager

Sequoia Analytical

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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services, Inc.	Client Project ID:	Chevron 9-3322/990203-K4	
1680 Rogers Ave.	Matrix:	Liquid	
San Jose, CA 95112			
Attention: Christine Lillie	Work Order #:	9902264 01, 03, 04	Reported: Feb 19, 1999

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	BTEX as TPH
QC Batch#:	GC021699802002A	GC021699802002A	GC021699802002A	GC021699802002A	GC021699802002A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015M
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	C. Westwater	C. Westwater	C. Westwater	C. Westwater	C. Westwater
MS/MSD #:	9020576	9020576	9020576	9020576	9020576
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	2/16/99	2/16/99	2/16/99	2/16/99	2/16/99
Analyzed Date:	2/16/99	2/16/99	2/16/99	2/16/99	2/16/99
Instrument I.D.#:	HP2	HP2	HP2	HP2	HP2
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	300 µg/L
Result:	19	17	18	59	320
MS % Recovery:	95	85	90	98	107
Dup. Result:	19	18	19	59	310
MSD % Recov.:	95	90	95	98	103
RPD:	0.0	5.7	5.4	0.0	3.2
RPD Limit:	0-20	0-20	0-20	0-20	0-50
LCS #:	LCS021699	LCS021699	LCS021699	LCS021699	LCS021699
Prepared Date:	2/16/99	2/16/99	2/16/99	2/16/99	2/16/99
Analyzed Date:	2/16/99	2/16/99	2/16/99	2/16/99	2/16/99
Instrument I.D.#:	HP2	HP2	HP2	HP2	HP2
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	300 µg/L
LCS Result:	17	16	17	55	310
LCS % Recov.:	85	80	85	92	103
MS/MSD LCS Control Limits	70-130	70-130	70-130	70-130	50-150

SEQUOIA ANALYTICAL
ELAP #1271

Mei Mei Shin
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

Sequoia Analytical

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Blaine Tech Services, Inc.
1680 Rogers Ave.
San Jose, CA 95112
Attention: Christine Lillie

Client Project ID: Chevron 9-3322/990203-K4
Matrix: Liquid
Work Order #: 9902264 02
Reported: Feb 19, 1999

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	BTEX as TPH
QC Batch#:	GC021799802005A	GC021799802005A	GC021799802005A	GC021799802005A	GC021799802005A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015M
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	D. Newcomb	D. Newcomb	D. Newcomb	D. Newcomb	D. Newcomb
MS/MSD #:	9020747	9020747	9020747	9020747	9020747
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	2/17/99	2/17/99	2/17/99	2/17/99	2/17/99
Analyzed Date:	2/17/99	2/17/99	2/17/99	2/17/99	2/17/99
Instrument I.D.#:	HP5	HP5	HP5	HP5	HP5
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	290 µg/L
Result:	19	19	19	60	320
MS % Recovery:	95	95	95	100	110
Dup. Result:	18	19	19	57	290
MSD % Recov.:	90	95	95	95	100
RPD:	5.4	0.0	0.0	5.1	9.8
RPD Limit:	0-20	0-20	0-20	0-20	0-50
LCS #:	LCS021799	LCS021799	LCS021799	LCS021799	LCS021799
Prepared Date:	2/17/99	2/17/99	2/17/99	2/17/99	2/17/99
Analyzed Date:	2/17/99	2/17/99	2/17/99	2/17/99	2/17/99
Instrument I.D.#:	HP5	HP5	HP5	HP5	HP5
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	290 µg/L
LCS Result:	19	19	19	60	330
LCS % Recov.:	95	95	95	100	114
MS/MSD LCS Control Limits	70-130	70-130	70-130	70-130	50-150

SEQUOIA ANALYTICAL
ELAP #1271

Mei Mei Shin
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

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

Chain-of-Custody-Record

ron Products Co.
. BOX 6004
Ramon, CA 94583
(925)842-8370

Chevron Facility Number 9-3322
Facility Address 7225 Bancroft Ave., Oakland
Consultant Project Number 990203-K4
Consultant Name BLAINE TECH SERVICE, INC.
Address 1680 ROGERS AVE., SAN JOSE
Project Contact (Name) CHRISTINE LILLIE
(Phone) 408-573-0555 (Fax Number) 408-573-7771

Chevron Contact (Name) PHIL BRIGGS
(Phone) (925) 842-9136
Laboratory Name SEQUOIA
Laboratory Service Order 9144488
Laboratory Service Code ZZ02800
Samples Collected by (Name) Mark Spindler
Signature

State Method: ☐ CA ☐ OR ☐ WA ☐ NW Series ☐ CO ☐ UT

Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Sample Preservation	Date/Time	BTEX/MTBE+TPH GAS (8020 + 8015)	BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oxygenates (8260)	Purgeable Halocarbons (8010)	Purgeable Organics (8260)	Extractable Organics (8270)	Oil and Grease (5520)	Metals (CAM or AA) Cd,Cr,Pb,Zn,Ni	BTEX (8020)	BTEX/MTBE/Naph. (8020)	TPH - HCID	TPH-D Extended					Remarks / Lab Sample No.
W-1	W	C		2/3/99/1054	X																	01
W-2	W			/1430	X																	02
W-3	W			/1445	X																	03
TB	2	↓		/—	X																	04

990226

Lab Sample No.

Received By (Signature) — Organization BTS — Date/Time 2/4/99 1056 — Received By (Signature) — Organization Sequoia — Date/Time 2/4/99 10:56 — Iced Y/N

Received By (Signature) — Organization — Date/Time 2/4/99 — Received By (Signature) — Organization — Date/Time — Iced Y/N

(Signature) — Organization — Date/Time — Received For Laboratory By (Signature) — Date/Time 2/4/99 1138 — Iced Y/N

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

MAY. 25. 1999 1:54PM NO. 9622 P. 2