FAX

Chevron U.S.A. Products Company

① Provide well material upgrade.
② Establish QA/QC

Date 11/22/95

Number of pages including cover sheet 12

To:

Ms. Eva Chu

Alameda County

Phone **(510) 567-6762**

Fax Phone **(510) 337-9335**

CC:

From:

Mark Miller

Phone **(510) 842-8134**

Fax Phone **(510) 842-8252**

REMARKS:

☐ Urgent ☒ For your review ☐ Reply ASAP ☐ Please comment

Enclosed are the historical results as well as the lab data sheets for the most current results pertaining to ground water monitoring. Looks like C-2 has the biggest hit on TPH-G and BTEX immediately down gradient of the former tank pit. Not sure where MTBE is coming from as it is in our up gradient wells also.

Let me know your thoughts regarding our suggestion for vertical profile sampling when you have a chance to review this material. Thank you.

SIERRA
Environmental Services

October 3, 1994

Mark Miller
Chevron USA Products Company
P.O. Box 5004
San Ramon, CA 94583

Re: Chevron Service Station #9-4463
1801 Park Street
Alameda, California
SES Project #1-385-04

Dear Mr. Miller:

This report presents the results of ground water sampling at Chevron Service Station #9-4463, located at 1801 Park Street in Alameda, California. Four wells, C-2 through C-5 were sampled (Figure 1).

On August 25, 1994, SES personnel visited the site. Water level measurements were collected in all site wells and all wells were checked for the presence of free-phase hydrocarbons. Free-phase hydrocarbons were not present in any of the site wells checked. One well, C-1, was dry. Water level data are shown in Table 1 and ground water elevation contours are included on Figure 1.

The ground water samples were collected on August 25, 1994 in accordance with SES Standard Operating Procedure - Ground Water Sampling (attached). The field water sampling forms for this event are included. All analyses were performed by Superior Precision Analytical, Inc. of Martinez, California. Analytic results for ground water are presented in Table 1. The chain of custody document and laboratory analytic reports are attached. SES is not responsible for laboratory omissions or errors.

Thank you for allowing us to provide services to Chevron. Please call if you have any questions.

REGISTERED PROFESSIONAL ENGINEER
CHRIS J. BRAMER
C 048846
Exp 9/96
CIVIL
STATE OF CALIFORNIA

Sincerely,
Sierra Environmental Services

Argy Leyton
Staff Geologist

Chris J. Bramer
Professional Engineer #C48846

AML/CJB/lmo
38504QM.OC4

cc: Sheldon Nelson, CRTC

Attachments
Figure
Table
SES Standard Operating Procedure
Field Water Sampling Forms
Chain of Custody Document and Laboratory Analytic Reports

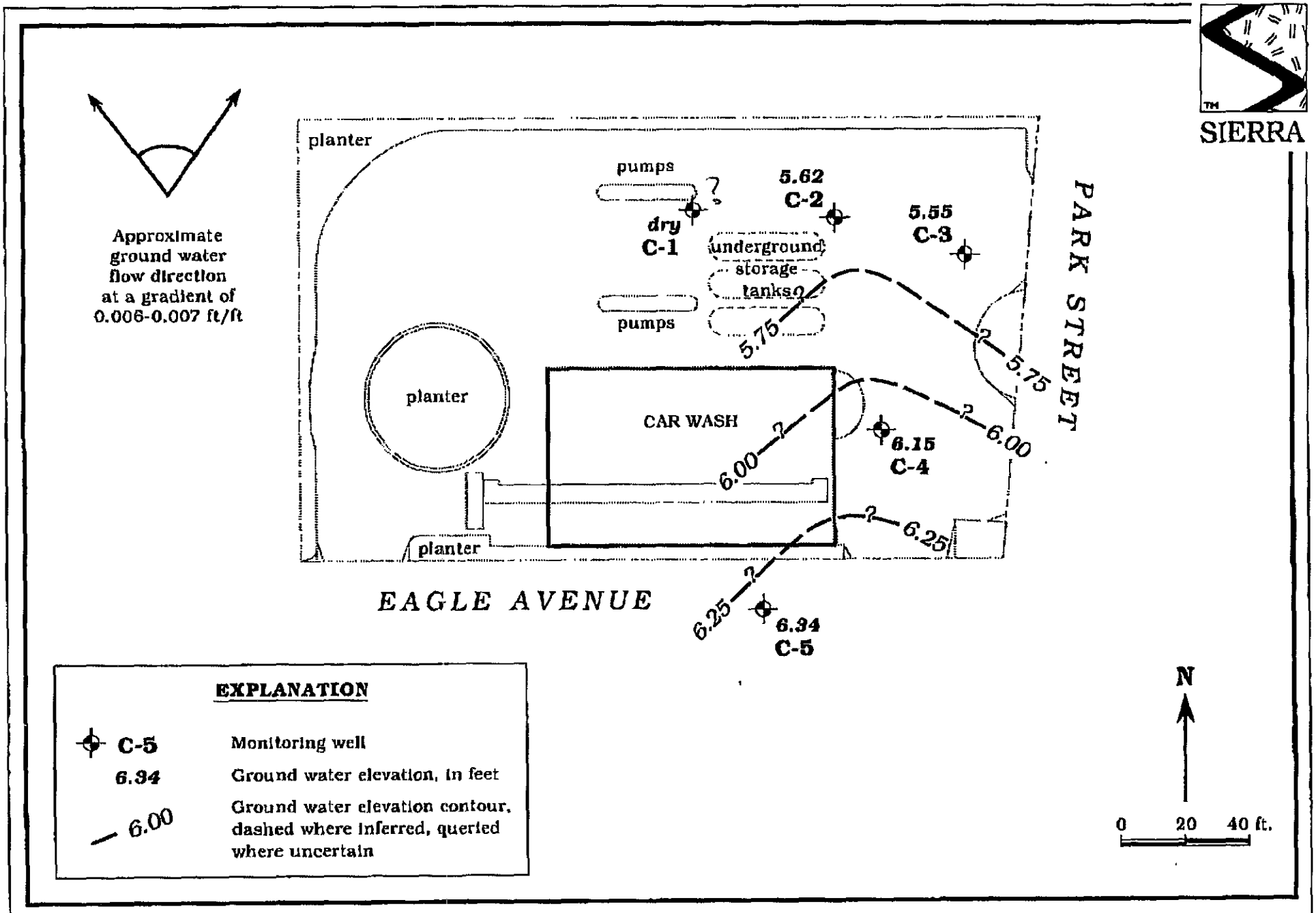

Figure 1. Monitoring Well Locations and Ground Water Elevation Contour Map – August 25, 1994 – Chevron Service Station #9-4463, 1801 Park Street, Alameda, California

1-385-04 9/30/94

Table 1. Water Level Data and Ground Water Analytic Results - Chevron Service Station #9-4463, 1801 Park Street, Alameda, California

Well ID / TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G)	B	T	E	X
						<---------- ppb ----------				---------->
C-1/ 12.93	8/25/94	Dry	---	---	---	---	---	---	---	---
C-2/ 11.96	8/25/94	6.34	5.62	0	8015/8020	<50	<0.5	0.8	<0.5	<0.5
C-3/ 11.70	8/25/94	6.15	5.55	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
C-4/ 12.87	8/25/94	6.72	6.15	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
C-5/ 13.35	8/25/94	7.01	6.34	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
TB-LB	8/25/94	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5

Table 1. Water Level Data and Ground Water Analytic Results - Chevron Service Station #9-4463, 1801 Park Street, Alameda, California (continued)

EXPLANATION:

TOC = Top of casing elevation
DTW = Depth to water
GWE = Ground water elevation
msl = Mean sea level
TPPH(G) = Total Purgeable Petroleum Hydrocarbons as Gasoline
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
--- = Not measured/not applicable

ANALYTIC METHODS:

8015 = EPA Method 8015/5030 for TPPH(G)
8020 = EPA Method 8020 for BTEX

NOTES:

Top of casing elevations surveyed on September 16, 1994 by Ronald C. Miller, Professional Engineer #15816.

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

FAX TRANSMITTAL

TO

Name: Mark Miller

Company: Chevron USA

Fax #: (510) 842-8252

FROM

Name: Don Magarian

Date: 11/15/95

Report #: Chevron 9-4463/951107-S2

Number of pages (including cover page): 8

COMMENTS

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
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Blaine Technical Services
985 Timothy Drive
San Jose, CA 95133

Attention: Jim Keller

Client Proj. ID: Chevron 9-4463/951107-S2
Sample Descript: MW-2
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9511621-01

Sampled: 11/07/95
Received: 11/08/95

Analyzed: 11/09/95
Reported: 11/15/95

QC Batch Number: GC110995BTEX21A
Instrument ID: GCHP21

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	1000	1600
Methyl t-Butyl Ether	50	1200
Benzene	10	440
Toluene	10	N.D.
Ethyl Benzene	10	N.D.
Xylenes (Total)	10	57
Chromatogram Pattern:		Gas

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	90

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
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Blaine Technical Services
985 Timothy Drive
San Jose, CA 95133

Attention: Jim Keller

Client Proj. ID: Chevron 9-4453/951107-S2
Sample Descript: MW-3
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9511521-02

Sampled: 11/07/95
Received: 11/08/95

Analyzed: 11/10/95
Reported: 11/15/95

QC Batch Number: GC111095BTEX17A
Instrument ID: GCHP17

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	500	N.D.
Methyl t-Butyl Ether	25	6200
Benzene	5.0	N.D.
Toluene	5.0	N.D.
Ethyl Benzene	5.0	N.D.
Xylenes (Total)	5.0	N.D.
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

D. Moga

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
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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 9-4463/951107-S2
Sample Descript: MW-4
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9511521-03

Sampled: 11/07/95
Received: 11/08/95

Analyzed: 11/10/95
Reported: 11/15/95

QC Batch Number: GC111095BTEX21A
Instrument ID: GCHP21

Total Purgeable Petroleum 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	74
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	94

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

SEQUOIA ANALYTICAL - ELAP #1210

D. Moga

Peggy Penner
Project Manager

Sequoia Analytical

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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 9-4463/951107-S2
Sample Descript: MW-5
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9511521-04

Sampled: 11/07/95
Received: 11/08/95

Analyzed: 11/10/95
Reported: 11/15/95

QC Batch Number: GC111095BTEX17A
Instrument ID: GCHP17

Total Purgeable Petroleum 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	200
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	95

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
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Blaine Technical Services
985 Timothy Drive
San Jose, CA 95133

Attention: Jim Keller

Client Proj. ID: Chevron 9-4463/951107-S2
Sample Descript: TB
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9511521-05

Sampled: 11/07/95
Received: 11/08/95

Analyzed: 11/09/95
Reported: 11/15/95

QC Batch Number: GC110995BTEX02A
Instrument ID: GCHP02

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	87

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

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Blaine Technical Services
985 Timothy Drive
San Jose, CA 95133
Attention: Jim Keller

Client Proj. ID: Chevron 9-4463/951107-S2
Lab Proj. ID: 9511521

Received: 11/08/95
Reported: 11/15/95

LABORATORY NARRATIVE

TPPH Note: Sample MW-2 was diluted 20-fold.
Sample MW-3 was diluted 10-fold.

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager

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: 9-4463
Facility Address: 1801 Park St., Alameda, CA
Consultant Project Number: 95110752 95110752
Consultant Name: Blaine Tech Services, Inc.
Address: 985 Timothy Dr., San Jose, CA 95133
Project Contact (Name): Jim Keller
(Phone) 408 995-5515 (Fax Number) 408 293-8773

Chevron Contact (Name): Mark Miller
(Phone): (510) 842-8134
Laboratory Name: Sequoia
Laboratory Release Number: 3726640
Samples Collected by (Name): SHAWN HOLLIS
Collection Date: 11/7/95
Signature:

95 11521

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 (CAM or AA)	MTBE				
MW-2	1	3	W		1003	HCL	Y	X								X				
MW-3	2	3			1013			X								X				
MW-4	3	3			1034			X								X				
MW-5	4	3			1055			X								X				
TB	5	2	V		LAB	V	V	X												

DO NOT BILL
FOR TB-LB

Remarks

5 DAY TAT
* IMMEDIATELY FAX RESULTS TO MARK MILLER
# FAX 510-842-8252

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	BTS	11/8 10:05		SEQ	11/8 10:05
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	SEQ	11/8 11:55			
Relinquished By (Signature)	Organization	Date/Time	Received for Laboratory By (Signature)		Date/Time
			Tom McMahon		11-9-95 11:5

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