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
Vice President

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
1450 Koll Circle Suite 114
San Jose, California 95112
Telephone: (408) 453-2541
Fax: (408) 453-2543

October 18, 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 ALAMEDA BULK PLANT
2001 VERSAILLES AVENUE
ALAMEDA, 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 August 31, 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
(ALAMEDA.095)

Table of
Well 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	TPH-Diesel	TDS(ppm)
MW-1											
06/01/94	--	--	--	--	600	43	ND	8.9	3.5	340*	740
08/31/95	13.60	6.57	7.03	--	78	<0.5	<0.5	<0.5	<0.5	1200**	--
MW-2											
06/01/94	--	--	--	--	ND	ND	ND	ND	ND	270*	--
08/31/95	12.22	6.20	6.02	--	<50	<0.5	<0.5	<0.5	<0.5	700**	--
MW-3											
06/01/94	--	--	--	--	360	0.70	ND	ND	0.50	190*	780
08/31/95	14.41	6.32	8.09	--	56	<0.5	<0.5	<0.5	<0.5	860**	--
MW-4											
05/31/94	--	--	--	--	170	ND	ND	ND	ND	160*	--
08/31/95	13.70	5.48	8.22	--	<50	<0.5	<0.5	<0.5	<0.5	940**	--
MW-5											
05/31/94	--	--	--	--	140	ND	ND	1.2	ND	620*	--
08/31/95	12.63	5.37	7.26	--	<50	<0.5	<0.5	<0.5	<0.5	<50	--

* Unknown hydrocarbon found in diesel range qualified as diesel.
** Chromatogram pattern indicates an unidentified hydrocarbon.

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	TPH-Diesel	TDS(ppm)
MW-6											
05/31/94	--	--	--	--	ND	ND	ND	ND	ND	ND	550
08/31/95	13.06	4.38	8.68	--	<50	<0.5	<0.5	<0.5	<0.5	<50	--
TAP HOSE											
06/01/94	--	--	--	--	ND	ND	ND	ND	ND	ND	--
WELL											
06/02/94	--	--	--	--	ND	ND	ND	ND	ND	ND	--
TRIP BLANK											
08/31/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<50	--

Note: Blaine Tech Services, Inc. began routine monitoring of the groundwater wells at this site on August 31, 1995. Earlier field data and analytical results are drawn from Chromalab, Inc. and GeoAnalytical Laboratories, Inc.

ABBREVIATIONS:
TPH = Total Petroleum Hydrocarbons
ND = Not detected at or above the minimum quantitation limit. See laboratory reports for minimum quantitation limits.
TDS = Total Dissolved Solids

Analytical Appendix

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 Bulk Plant/950831-H1
Sample Descript: MW-1
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9509104-01

Sampled: 08/31/95
Received: 09/05/95
Extracted: 09/06/95
Analyzed: 09/08/95
Reported: 09/12/95

QC Batch Number: GC0906950HBPEXZ
Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	**50**	**1200**
Chromatogram Pattern:	**C9-C24**	**Unidentified HC**

Discrete peaks were observed. The observed discrete peaks are not consistent with peaks commonly detected in motor fuel hydrocarbons.

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	135

Results quantitated against a diesel standard.
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	Client Proj. ID: Chevron Bulk Plant/950831-H1	Sampled: 08/31/95
985 Timothy Drive	Sample Descript: MW-1	Received: 09/05/95
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 09/05/95
Attention: Jim Keller	Lab Number: 9509104-01	Reported: 09/12/95

QC Batch Number: GC090595BTEX03A
Instrument ID: GCHP03

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**50**	**78**
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		
Weathered Gas		**C6-C12**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	101

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

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Blaine Technical Services
985 Timothy Drive
San Jose, CA 95133

Attention: Jim Keller

Client Proj. ID: Chevron Bulk Plant/950831-H1
Sample Descript: MW-2
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9509104-02

Sampled: 08/31/95
Received: 09/05/95
Extracted: 09/06/95
Analyzed: 09/08/95
Reported: 09/12/95

QC Batch Number: GC0906950HBPEXZ
Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	**50**	**700**
Chromatogram Pattern:	**C9-C24**	**Unidentified HC**

Discrete peaks were observed. The observed discrete peaks are not consistent with peaks commonly detected in motor fuel hydrocarbons.

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	119

Results quantitated against a diesel standard.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

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Blaine Technical Services
985 Timothy Drive
San Jose, CA 95133

Attention: Jim Keller

Client Proj. ID: Chevron Bulk Plant/950831-H1
Sample Descript: MW-2
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9509104-02

Sampled: 08/31/95
Received: 09/05/95

Analyzed: 09/05/95
Reported: 09/12/95

QC Batch Number: GC090595BTEX03A
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	87

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

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Blaine Technical Services
985 Timothy Drive
San Jose, CA 95133

Attention: Jim Keller

Client Proj. ID: Chevron Bulk Plant/950831-H1
Sample Descript: MW-3
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9509104-03

Sampled: 08/31/95
Received: 09/05/95
Extracted: 09/06/95
Analyzed: 09/08/95
Reported: 09/12/95

QC Batch Number: GC0906950HBPEXZ
Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	**50**	**860**
Chromatogram Pattern:	**C9-C24**	**Unidentified HC**

Discrete peaks were observed. The observed discrete peaks are not consistent with peaks commonly detected in motor fuel hydrocarbons.

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	94

Results quantitated against a diesel standard.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

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Blaine Technical Services
985 Timothy Drive
San Jose, CA 95133

Attention: Jim Keller

Client Proj. ID: Chevron Bulk Plant/950831-H1
Sample Descript: MW-3
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9509104-03

Sampled: 08/31/95
Received: 09/05/95

Analyzed: 09/05/95
Reported: 09/12/95

QC Batch Number: GC090595BTEX03A
Instrument ID: GCHP03

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**50**	**56**
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		
Weathered Gas		**C6-C12**

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

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Blaine Technical Services
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San Jose, CA 95133

Attention: Jim Keller

Client Proj. ID: Chevron Bulk Plant/950831-H1
Sample Descript: MW-4
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9509104-04

Sampled: 08/31/95
Received: 09/05/95
Extracted: 09/06/95
Analyzed: 09/08/95
Reported: 09/12/95

QC Batch Number: GC0906950HBPEXZ
Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	**50**	**940**
Chromatogram Pattern:	**C9-C24**	**Unidentified HC**

Discrete peaks were observed. The observed discrete peaks are not consistent with peaks commonly detected in motor fuel hydrocarbons.

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	129

Results quantitated against a diesel standard.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

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Blaine Technical Services
985 Timothy Drive
San Jose, CA 95133

Attention: Jim Keller

Client Proj. ID: Chevron Bulk Plant/950831-H1
Sample Descript: MW-4
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9509104-04

Sampled: 08/31/95
Received: 09/05/95

Analyzed: 09/05/95
Reported: 09/12/95

QC Batch Number: GC090595BTEX03A
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	80

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

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Blaine Technical Services
985 Timothy Drive
San Jose, CA 95133

Attention: Jim Keller

Client Proj. ID: Chevron Bulk Plant/950831-H1
Sample Descript: MW-5
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9509104-05

Sampled: 08/31/95
Received: 09/05/95
Extracted: 09/06/95
Analyzed: 09/08/95
Reported: 09/12/95

QC Batch Number: GC0906950HBPEXZ
Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	N.D.
Chromatogram Pattern:		

Discrete peaks were observed. The Chromatogram pattern does not indicate the presence of motor fuel hydrocarbon.

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	132

Results quantitated against a diesel standard.
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 Bulk Plant/950831-H1
Sample Descript: MW-5
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9509104-05

Sampled: 08/31/95
Received: 09/05/95

Analyzed: 09/05/95
Reported: 09/12/95

QC Batch Number: GC090595BTEX03A
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	80

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 Bulk Plant/950831-H1
Sample Descript: MW-6
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9509104-06

Sampled: 08/31/95
Received: 09/05/95
Extracted: 09/06/95
Analyzed: 09/08/95
Reported: 09/12/95

QC Batch Number: GC0906950HBPEXZ
Instrument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	N.D.
Chromatogram Pattern:		

Discrete peaks were observed. The Chromatogram pattern does not indicate the presence of motor fuel hydrocarbon.

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	121

Results quantitated against a diesel standard.
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 Bulk Plant/950831-H1
Sample Descript: MW-6
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9509104-06

Sampled: 08/31/95
Received: 09/05/95

Analyzed: 09/06/95
Reported: 09/12/95

QC Batch Number: GC090595BTEX03A
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	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

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Blaine Technical Services
985 Timothy Drive
San Jose, CA 95133

Attention: Jim Keller

Client Proj. ID: Chevron Bulk Plant/950831-H1
Sample Descript: TB
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9509104-07

Sampled: 08/31/95
Received: 09/05/95

Analyzed: 09/06/95
Reported: 09/12/95

QC Batch Number: GC090595BTEX03A
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	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

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

Client Proj. ID: Chevron Bulk Plant/950831-H1

Lab Proj. ID: 9509104

Received: 09/05/95

Reported: 09/12/95

LABORATORY NARRATIVE

No issues.

SEQUOIA ANALYTICAL

Reggy 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 61001621/950807-K1
Sample Descript: T-1
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9508584-18

Sampled: 08/07/95
Received: 08/09/95
Extracted: 08/10/95
Analyzed: 08/13/95
Reported: 09/22/95

QC Batch Number: GC0810950HBPEXZ
Instrument ID: GCHP4B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	N.D.
Chromatogram Pattern:	**Unidentified HC**	**1500**

Discrete peaks were observed. The observed discrete peaks are not consistent with peaks commonly detected in motor fuel hydrocarbons.

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	101

Results quantitated against a diesel standard.
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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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

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

Client Project ID: Chevron Former Signal Bulk Plant, 950831-H1
Matrix: Liquid
Work Order #: 9509104 -01-07
Reported: Sep 13, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC090595BTEX03A	GC090595BTEX03A	GC090595BTEX03A	GC090595BTEX03A
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 #:	950904503	950904503	950904503	950904503
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	9/5/95	9/5/95	9/5/95	9/5/95
Analyzed Date:	9/5/95	9/5/95	9/5/95	9/5/95
Instrument I.D.#:	GCHP3	GCHP3	GCHP3	GCHP3
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:	10	10	10	30
MSD % Recov.:	100	100	100	100
RPD:	0.0	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 LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL

Peggy Penner
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

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

Client Project ID: Chevron Former Signal Bulk Plant, 950831-H1
Matrix: Liquid
Work Order #: 9509104-01-06
Reported: Sep 13, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Diesel
QC Batch#:	GC0906950HBPEXZ
Analy. Method:	EPA 8015M
Prep. Method:	EPA 3520
Analyst:	T. Olive
MS/MSD #:	9509M9601
Sample Conc.:	N.D.
Prepared Date:	9/6/95
Analyzed Date:	9/8/95
Instrument I.D.#:	GCHP5
Conc. Spiked:	1000 µg/L
Result:	1000
MS % Recovery:	100
Dup. Result:	930
MSD % Recov.:	93
RPD:	7.3
RPD Limit:	0-50

LCS #:	BLK090695
Prepared Date:	9/6/95
Analyzed Date:	9/8/95
Instrument I.D.#:	GCHP5
Conc. Spiked:	1000 µg/L
LCS Result:	1100
LCS % Recov.:	110

MS/MSD LCS Control Limits	38-122

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager

Please Note:
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** 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: Former Signal Bulk Plant
Facility Address: 2001 Versailles Ave., Alameda, CA
Consultant Project Number: 950831-H1
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: 3442430
Samples Collected by (Name): TROY HORNER
Collection Date: 8-31-95
Signature: Troy Horner

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)	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
																	9509104			
MW-1	01	5	W		1156	HCL	YES	X	X											DO NOT BILL FOR TB-LB
MW-2	02	5	W		1128	↓	↓	X	X											
MW-3	03	5	W		1104			X	X											
MW-4	04	5	W		1036			X	X											
MW-5	05	5	W		1218			X	X											
MW-6	06	5	W		1011	✓	✓	X	X											5 1 04
TB	07	2						X												

(Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	BTS	9/5/95 1050		Sequoia	9/5/95 10:50
(Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
		9/5/95			
	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time
			Tony McMahon		9/5/95 13:04

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

Field
Data
Sheets

WELL GAUGING DATA

Project # 950831-H1 Date 8-31-95 Client CHEVRON

Site 2001 VERSAILLES AVE, ALAMEDA

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
MW-1	2					7.03	22.46	TOC
MW-2	2					6.02	22.12	
MW-3	2					8.09	23.43	
MW-4	2					8.22	21.08	
MW-5	2					7.26	22.07	
MW-6	2					8.68	21.02	

CHEVRON WELL MONITORING DATA SHEET

Project #: 950831-H1	Station #:
Sampler: TNH	Start Date: 8/31/95
Well I.D.: MW-1	Well Diameter: (circle one) (2) 3 4 6 ____
Total Well Depth: Before 22.46 After	Depth to Water: Before 7.03 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: (TOC) Grade	Other:

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

1 Case Volume	x	Specified Volumes	=	gallons
2.5	x	3	=	7.5

Purging: Bailer✓
Disposable Bailer
Middleburg
Electric Submersible
Extraction Pump
Other_____

Sampling: Bailer✓
Disposable Bailer
Extraction Port
Other_____

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
11:42	71.0	7.7	1000		2.5	
11:45	70.0	7.4	1000		5.0	
11:48	69.2	7.4	1000		7.5	

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 7.5

Sampling Time: 11:56 Sampling Date: 8/31/95

Sample I.D.: MW-1 Laboratory: SEQ

Analyzed for: (TPH-G) (BTEX) (TPH-D) OTHER:
(Circle)

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

Analyzed for: TPH-G BTEX TPH-D OTHER:
(Circle)

CHEVRON WELL MONITORING DATA SHEET

Project #: 950831-H1	Station #:
Sampler: TNH	Start Date: 8/31/95
Well I.D.: MW-2	Well Diameter: (circle one) (2) 3 4 6 ____
Total Well Depth: Before 22.12 After	Depth to Water: Before 6.02 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: (PVC) Grade	Other:

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

2.6 (1 Case Volume) x 3 (Specified Volumes) = 7.8 gallons

Purging: Bailer X
Disposable Bailer
Middleburg
Electric Submersible
Extraction Pump
Other_____

Sampling: Bailer X
Disposable Bailer
Extraction Port
Other_____

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
11:16	71.0	7.7	1000		3	
11:19	68.2	7.6	1000		6	
11:22	67.2	7.6	1000		8	

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 8

Sampling Time: 11:28 Sampling Date: 8/31/95

Sample I.D.: MW-2 Laboratory: BEQ

Analyzed for: (TPH-G) (BTEX) (TPH-D) OTHER:
(Circle)

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

Analyzed for: TPH-G BTEX TPH-D OTHER:
(Circle)

CHEVRON WELL MONITORING DATA SHEET

Project #: 950831-H1	Station #:
Sampler: TNH	Start Date: 8/31/95
Well I.D.: MW-3	Well Diameter: (circle one) (2) 3 4 6 ____
Total Well Depth: Before 23.43 After	Depth to Water: Before 8.09 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: (PVC) Grade	Other:

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

2.5 (1 Case Volume) x 3 (Specified Volumes) = 7.5 gallons

Purging: (Bailer) Disposable Bailer; Middleburg; Electric Submersible; Extraction Pump; Other_____

Sampling: (Bailer) Disposable Bailer; Extraction Port; Other_____

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1053	70.0	7.8	1000		2.5	
1056	67.4	7.4	1000		5.0	
1059	66.6	7.4	1000		7.5	

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 7.5

Sampling Time: 11:04 Sampling Date: 8/31/95

Sample I.D.: MW-3 Laboratory: TFQ

Analyzed for: (TPH-G) BTEX (TPH-D) OTHER:

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

Analyzed for: TPH-G BTEX TPH-D OTHER:

CHEVRON WELL MONITORING DATA SHEET

Project #: 950831-H1	Station #:
Sampler: TNH	Start Date: 8/31/95
Well I.D.: MW-4	Well Diameter: (circle one) (2) 3 4 6 ____
Total Well Depth: Before 21.08 After	Depth to Water: Before 8.22 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: (PVC) Grade	Other:

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

2.0 (1 Case Volume) x 3 (Specified Volumes) = 6.0 gallons

Purging: Bailer X
Disposable Bailer
Middleburg
Electric Submersible
Extraction Pump
Other ____

Sampling: Bailer X
Disposable Bailer
Extraction Port
Other ____

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1025	73.2	7.8	1000		2	
1028	69.6	8.0	1000		4	
1031	69.2	7.9	1000		6	

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 6

Sampling Time: 1036 Sampling Date: 8/31/95

Sample I.D.: MW-4 Laboratory: SEQ

Analyzed for: (TPH-G) (BTEX) (TPH-D) OTHER:
(Circle)

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

Analyzed for: TPH-G BTEX TPH-D OTHER:
(Circle)

CHEVRON WELL MONITORING DATA SHEET

Project #: 950831-141	Station #:
Sampler: TNH	Start Date: 8/31/95
Well I.D.: MW-5	Well Diameter: (circle one) (2) 3 4 6 ____
Total Well Depth: Before 22.07 After	Depth to Water: Before 7.26 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: (PVC) Grade	Other:

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

2.4 (1 Case Volume) x 3 (Specified Volumes) = 7.2 gallons

Purging: Bailer
Disposable Bailer
Middleburg
Electric Submersible
Extraction Pump
Other_____

Sampling: Bailer
Disposable Bailer
Extraction Port
Other_____

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
12:07	72.6	7.9	580		2.5	
12:10	68.8	7.8	540		5.0	
12:13	68.2	7.5	520		7.5	

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 7.5

Sampling Time: 12:18 Sampling Date: 8/31/95

Sample I.D.: MW-5 Laboratory: SEQ

Analyzed for: (TPH-G) (BTEX) (TPH-D) OTHER:
(Circle)

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

Analyzed for: TPH-G BTEX TPH-D OTHER:
(Circle)

CHEVRON WELL MONITORING DATA SHEET

Project #: 950831-H1	Station #:
Sampler: TNH	Start Date: 8/31/95
Well I.D.: MW-6	Well Diameter: (circle one) (2) 3 4 6 ____
Total Well Depth:	Depth to Water:
Before 21.02 After	Before 8.68 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: (PVC) Grade	Other:

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

2.6 (1 Case Volume) x 3 (Specified Volumes) = 6.0 gallons

Purging: Bailer(X)
Disposable Bailer
Middleburg
Electric Submersible
Extraction Pump
Other_____

Sampling: Bailer(K)
Disposable Bailer
Extraction Port
Other_____

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
10:00	72.4	7.4	780		2	
10:03	69.2	7.8	790		4	
10:06	68.0	7.9	800		6	

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 6

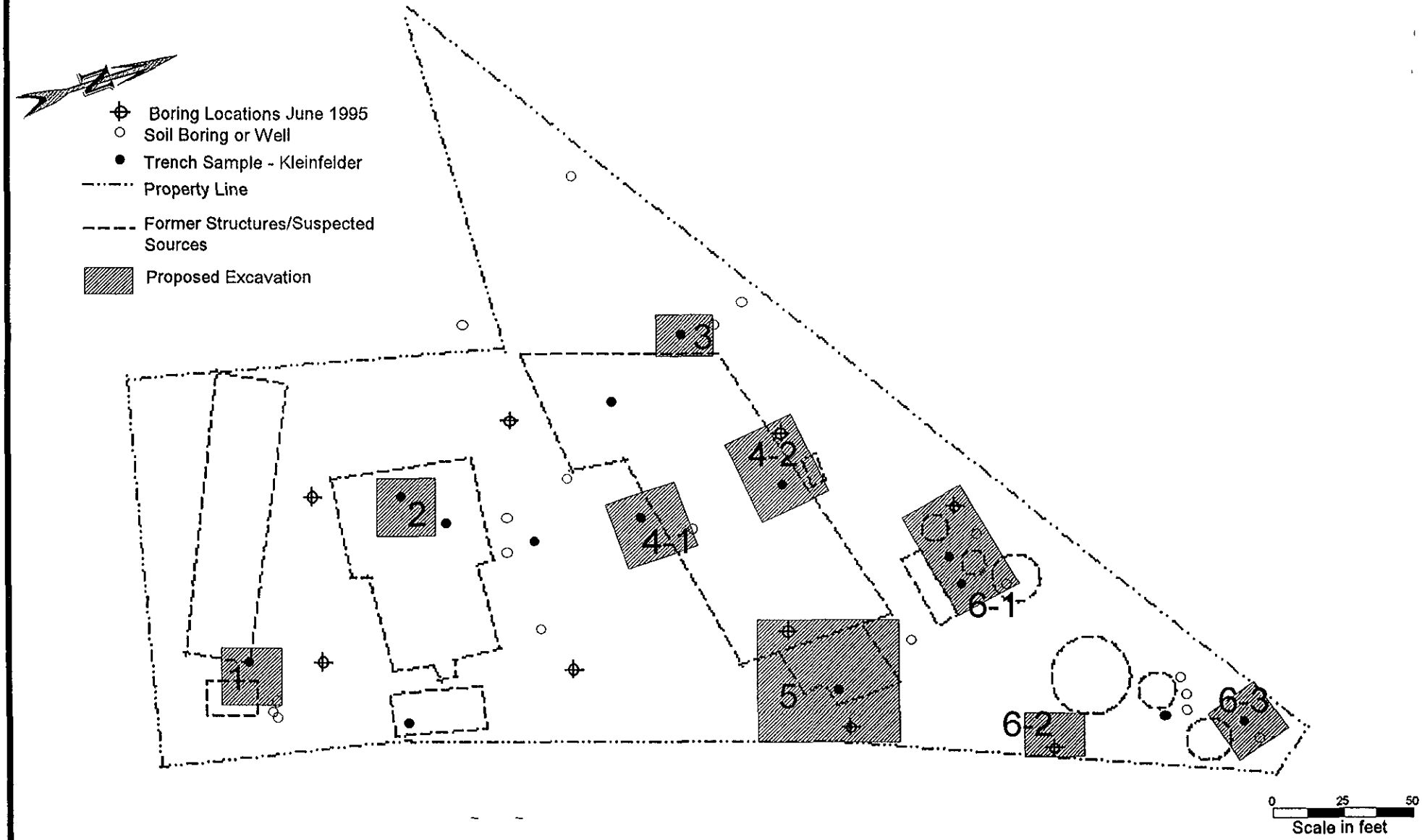
Sampling Time: 10:11 Sampling Date: 8/31/95

Sample I.D.: MW-6 Laboratory: SEQ

Analyzed for: (TPH-G) (BTEX) (TPH-D) OTHER:
(Circle)

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

Analyzed for: TPH-G BTEX TPH-D OTHER:
(Circle)



Touchstone Developments
Environmental Management

EXCAVATION - PROPOSED
FORMER ALAMEDA BULK PLANT
2001 VERSAILLES AVENUE
ALAMEDA, CALIFORNIA

FIGURE
8

PROJECT NO.	DRAWN BY:	DATE	BASE MAP:
chev-1	AMD	7/95	KLEINFELDER