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 Kol. 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

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.				Analytic	al results are in	parts per billi	on (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 08/31/95	 13.60	 6.57	 7.03		600 78	43 <0.5	ND <0.5	8.9 <0.5	3.5 <0.5	340* 1200**	740
MW-2 06/01/94 08/31/95	 12.22	 6.20	 6.02	 	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	270* 700**	
MW-3 06/01/94 08/31/95	 14.41	 6.32	 8.09	 	360 56	0.70 <0.5	ND <0.5	ND <0.5	0.50 <0.5	190* 860**	780
MW-4 05/31/94 08/31/95	 13.70	 5.48	 8.22		170 <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	160* 940**	
MW-5 05/31/94 08/31/95	 12.63	 5.37	 7.26	 	140 <50	ND <0.5	ND <0.5	1.2 <0.5	ND <0.5	620* <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.				Analytic	al results are ir	n parts per billio	on (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							14.35				
05/31/94 08/31/95	13.06	4.38	8.68		ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	ND <50	550
TAP HO	DSE										
06/01/94					ND	ND	ND	ND	ND	ND	
WELL 06/02/94				••	ND	ND	ND	ND	ND	ND	
TRIP B 08/31/95	LANK 			* •	<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



Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834

(415) 364-9600 (510) 988-9600 (916) 921-9600 FAX (415) 364-9233 FAX (510) 988-9673 FAX (916) 921-0100

Blaine Technical Services 985 Timothy Drive San Jose, CA 95133

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

Sample Descript: MW-1

Matrix: LIQUID Analysis Method: EPA 8015 Mod Received: 09/05/95 Extracted: 09/06/95 Analyzed: 09/08/95

Sampled: 08/31/95

Attention: Jim Keller

Lab Number: 9509104-01

Reported: 09/12/95

QC Batch Number: GC0906950HBPEXZ

Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

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

ſ

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

Surrogates n-Pentacosane (C25) **Control Limits %**

150

% Recovery 135

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

SEQUOJÁ ANALYTICAL - ELAP #1210

Peggy Penner Project Manager

Page:



680 Chesapeake Drive 404 N. Wiget Lane 819 Striker Avenue, Suite 8 Sacramento, CA 95834

Redwood City, CA 94063 (415) 364-9600 Walnut Creek, CA 94598 (510) 988-9600

(916) 921-9600

FAX (415) 364-9233 FAX (510) 988-9673 FAX (916) 921-0100

Blaine Technical Services 985 Timothy Drive

Client Proj. ID: Chevron Bulk Plant/950831-H1 Sample Descript: MW-1

Sampled: 08/31/95

San Jose, CA 95133

Matrix: LIQUID

Received: 09/05/95

Attention: Jim Keller

Analysis Method: 8015Mod/8020 Lab Number: 9509104-01

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 Benzene Toluene Ethyl Benzene Xylenes (Total) Chromatogram Pattern:	50 0.50 0.50 0.50 0.50	78 N.D. N.D. N.D. N.D.	
Weathered Gas		C6-C12	
Surrogates Trifluorotoluene	Control Limits % 70 130	% Recovery 101	

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

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Peggy Penner Project Manager

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Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834

(415) 364-9600 (510) 988-9600 (916) 921-9600

FAX (415) 364-9233 FAX (510) 988-9673 FAX (916) 921-0100

Blaine Technical Services 985 Timothy Drive San Jose, ĆA 95133

aine Technical Services Client Proj. ID: Chevron Bulk Plant/950831-H1 Sampled: 08/31/95

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

Attention: Jim Keller

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte **Detection Limit** Sample Results ug/L ug/L

TEPH as Diesel 700 C9-C24 **Chromatogram Pattern: Unidentified HC**

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

Surrogates Control Limits % n-Pentacosane (C25) 150

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

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Page:

3

% Recovery



Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834

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985 Timothy Drive

Blaine Technical Services Client Proj. ID: Chevron Bulk Plant/950831-H1 Sampled: 08/31/95 Chevron Bulk Plant/950831-H1 Sample Descript: MW-2

Received: 09/05/95

San Jose, ĆA 95133

Matrix: LIQUID

Attention: Jim Keller

Analysis Method: 8015Mod/8020 Lab Number: 9509104-02

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 Benzene Toluene Ethyl Benzene Xylenes (Total) Chromatogram Pattern:	50 0.50 0.50 0.50 0.50	N.D. N.D. N.D. N.D. N.D.
Surrogates Triffuorotoluene	Control Limits % 130	% Recovery 87

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

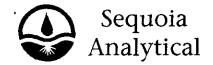
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Blaine Technical Services 985 Timothy Drive

Client Proj. ID: Sample Descript: MW-3

Chevron Bulk Plant/950831-H1

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

San Jose, CA 95133

Matrix: LIQUID

Extracted: 09/06/95 Analyzed: 09/08/95

Attention: Jim Keller

Analysis Method: EPA 8015 Mod Lab Number: 9509104-03

Reported: 09/12/95

QC Batch Number: GC0906950HBPEXZ

Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte **Detection Limit** Sample Results ug/L 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 n-Pentacosane (C25) **Control Limits %**

150

% Recovery 94

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

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Peggy Penner Project Manager

Page.



Redwood City, CA 94063 (415) 364-9600 Walnut Creek, CA 94598 (510) 988-9600 Sacramento, CA 95834

(916) 921-9600

FAX (415) 364-9233 FAX (510) 988-9673 FAX (916) 921-0100

Blaine Technical Services 985 Timothy Drive

Blaine Technical Services Client Proj. ID: Chevron Bulk Plant/950831-H1 Sampled: 08/31/95 Sample Descript: MW-3

Received: 09/05/95

San Jose, CA 95133

Matrix: LIQUID

Analyzed: 09/05/95

Attention: Jim Keller

Analysis Method: 8015Mod/8020 Lab Number: 9509104-03

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 Benzene Toluene Ethyl Benzene Xylenes (Total) Chromatogram Pattern: Weathered Gas	50 0.50 0.50 0.50 0.50	56 N.D. N.D. N.D. N.D.
Surrogates Trifluorotoluene	Control Limits % 130	% Recovery 95

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

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FAX (415) 364-9233 FAX (510) 988-9673 FAX (916) 921-0100

Blaine Technical Services 985 Timothy Drive San Jose, CA 95133

Client Proj. ID: Chevron Bulk Plant/950831-H1 Sampled: 08/31/95

Sample Descript: MW-4

Matrix: LIQUID Analysis Method: EPA 8015 Mod Extracted: 09/06/95 Analyzed: 09/08/95

Attention: Jim Keller

Lab Number: 9509104-04

Reported: 09/12/95

Received: 09/05/95

QC Batch Number: GC0906950HBPEXZ

Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte Detection Limit Sample Results ug/L 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 n-Pentacosane (C25) **Control Limits %**

150

% Recovery 129

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

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Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834

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Blaine Technical Services 985 Timothy Drive San Jose, ĆA 95133

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

Sample Descript: MW-4

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

Attention: Jim Keller

Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9509104-04

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 Benzene Toluene Ethyl Benzene Xylenes (Total) Chromatogram Pattern:	50 0.50 0.50 0.50 0.50	N.D. N.D. N.D. N.D. N.D.
Surrogates Trifluorotoluene	Control Limits % 130	% Recovery 80

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

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Blaine Technical Services 985 Timothy Drive San Jose, ĆA 95133

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 tta Miliata

QC Batch Number: GC0906950HBPEXZ

Instrument ID: GCHP5B

Attention: Jim Keller

Total Extractable Petroleum Hydrocarbons (TEPH)

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

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.

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Peggy Penner Project Manager

Page:

Q



Redwood City, CA 94063 (415) 364-9600 Walnut Creek, CA 94598 Sacramento, CA 95834

(510) 988-9600 (916) 921-9600

FAX (415) 364-9233 FAX (510) 988-9673 FAX (916) 921-0100

Blaine Technical Services 985 Timothy Drive

tine Technical Services Client Proj. ID: Chevron Bulk Plant/950831-H1 Sampled: 08/31/95 Sample Descript: MW-5

Received: 09/05/95

San Jose, ĆA 95133

Matrix: LIQUID

Attention: Jim Keller

Analysis Method: 8015Mod/8020 Lab Number: 9509104-05

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

QC Batch Number: GC090595BTEX03A

Instrument ID: GCHP03

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

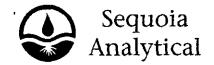
Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas Benzene Toluene Ethyl Benzene Xylenes (Total) Chromatogram Pattern:	50 0.50 0.50 0.50 0.50	N.D. N.D. N.D. N.D. N.D.
Surrogates Trifluorotoluene	Control Limits % 70 130	% Recovery 80

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

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Peggy Penner Project Manager

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Blaine Technical Services 985 Timothy Drive Client Proj. ID: Chevron Bulk Plant/950831-H1

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

San Jose, CA 95133

Sample Descript: MW-6 Matrix: LIQUID

Extracted: 09/06/95
Applyzed: 09/08/95

Attention: Jim Keller

Analysis Method: EPA 8015 Mod Lab Number: 9509104-06 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 Chromatogram Pattern:	50	N.D.

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

Surrogates n-Pentacosane (C25) Control Limits % 50

150

% Recovery 121

Results quantitated against a diesel standard.

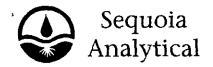
Analytes reported as N.D. were not present above the stated limit of detection

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ELAP #1210

Peggy/Penner Project Manager

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Blaine Technical Services 985 Timothy Drive

hnical Services Client Proj. ID: Chevron Bulk Plant/950831-H1 Sampled: 08/31/95 Sample Descript: MW-6

Received: 09/05/95

San Jose, ĆA 95133

Matrix: LIQUID

Attention: Jim Keller

Analysis Method: 8015Mod/8020

Analyzed: 09/06/95

Lab Number: 9509104-06

Reported: 09/12/95

QC Batch Number: GC090595BTEX03A

Instrument ID: GCHP03

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

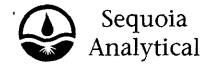
Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas Benzene Toluene Ethyl Benzene Xylenes (Total) Chromatogram Pattern:	50 0.50 0.50 0.50 0.50	N.D. N.D. N.D. N.D. N.D.
Surrogates Trifluorotoluene	Control Limits % 70 130	% Recovery 90

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

SEQUOIA ANALYTICAL - ELAP #1210

Pergy Penner Project Manager

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Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834

(415) 364-9600 (510) 988-9600 (916) 921-9600

FAX (415) 364-9233 FAX (510) 988-9673 FAX (916) 921-0100

PPILABETTE PLATE (* 16. 2 Blaine Technical Services 985 Timothy Drive

Chevron Bulk Plant/950831-H1 Sampled: 08/31/95 Client Proj. ID:

San Jose, ĆA 95133

Sample Descript: TB Matrix: LIQUID

Received: 09/05/95

Attention: Jim Keller

Analysis Method: 8015Mod/8020

Analyzed: 09/06/95

Lab Number: 9509104-07

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 Benzene Toluene Ethyl Benzene Xylenes (Total) Chromatogram Pattern:	50 0.50 0.50 0.50 0.50	N.D. N.D. N.D. N.D. N.D.
Surrogates Trifluorotoluene	Control Limits % 130	% Recovery 90

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

SEQUOIA ANALYTICAL

ELAP #1210

Peggy Penner Project Manager

Page:



680 Chesapeake Drive 404 N. Wiget Lane 819 Striker Avenue, Suite 8 Sacramento, CA 95834

Redwood City, CA 94063 Walnut Creek, CA 94598

(415) 364-9600 (510) 988-9600 (916) 921-9600

FAX (415) 364-9233 FAX (510) 988-9673 FAX (916) 921-0100

Blaine Technical Services Client Proj. ID: Chevron Bulk Plant/950831-H1 Received: 09/05/95

985 Timothy Drive San Jose, ĆA 95133 Attention: Jim Keller

Lab Proj. ID: 9509104

Reported: 09/12/95

LABORATORY NARRATIVE

83

No issues.

SEQUOIA ANALYTICAL

Reggy Penner Project Manager

Page: 1



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(415) 364-9600 (510) 988-9600 (916) 921-9600 FAX (415) 364-9233 FAX (510) 988-9673 FAX (916) 921-0100

Blaine Technical Services 985 Timothy Drive San Jose, ĆA 95133

Client Proj. ID: Chevron 61001621/950807-K1

Sample Descript: T-1 Matrix: LIQUID

Analysis Method: EPA 8015 Mod Lab Number: 9508584-18

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

Sampled: 08/07/95

QC Batch Number: GC0810950HBPEXZ

Instrument ID: GCHP4B

Attention: Jim Keller

Total Extractable Petroleum Hydrocarbons (TEPH)

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

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

Surrogates n-Pentacosane (C25)

% Recovery Control Limits % 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

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Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834

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FAX (415) 364-9233 FAX (510) 988-9673 FAX (916) 921-0100

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950 Barba (2 197196 M.G. 1960 Saladi

Client Project ID:

TIBERAL BUIDARIE TER TER ER BUIDE EN BETER BUIDE FERNEN DE BATHER BUIDE DE BEREITE BETER BETER TE TER TE TER B Chevron Former Signal Bulk Plant, 950831-H1

985 Timothy Drive

Matrix: Liquid

San Jose, CA 95133 : Attention: Jim Keller

Work Order #:

Michigan Parking

9509104 -01-07

Reported: Sep 13, 1995 MANANAN BERMARPATAN PER SERUKSAN MEREKATAN DI SAS

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	<u></u>
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	
Instrument I.D.#:		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	71 100		70 120	71-120	
Control Limits	71-133	72-128	72-130	7 1-120	
Cond of Linns					

SEQUOTA 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

9509104.BLA <1>





Walnut Creek, CA 94598 Sacramento, CA 95834

Redwood City, CA 94063

(415) 364-9600 (510) 988-9600 (916) 921-9600

FAX (415) 364-9233 FAX (510) 988-9673 FAX (916) 921-0100

Benebba wakanakagaran balarka Blaine Tech Services, Inc.

Client Project ID: rentalis and the company in the company of the first of the contract of the co Chevron Former Signal Bulk Plant, 950831-H1

Liquid

985 Timothy Drive San Jose, CA 95133 Attention: Jim Keller Matrix:

Sep 13, 1995 Reported:

Work Order #:

9509104-01-06 propieta (19. m. se prepara de la calenta de la calenta

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: $1000 \mu g/L$

LCS Result: 1100 LCS % Recov.: 110

MS/MSD LCS

38-122

Control Limits

SEQUOIA ANALYTICAL

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.

eggy Penner Project Manager

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

9509104.BLA <2>

Fax cor	by of	Lab	Rep	ort d	and (COC to	Che	vron	Со	ntac	t: [] Ye] No		unas de la constanti		Cl	hair	<u>1-0</u>	f-C	ust	ody-Record
Chevron U.S P.O. BOX San Ramon, C FAX (415)84	5004 CA 94583	Cone:	Chevron Facility Number Former Signal Bulk Plant Facility Address 2001 Versailles Ave., Alameda, CA Consultant Project Number 950831-++1 Consultant Name Blaine Tech Services, Inc. 2085 Timothy Dr., San Jose, CA 95133 Project Contact (Name) Jim Keller (Phone) (510) Sequence Sequence Number 344 Samples Collected by (Name) Collection Date Signature 7000 Analyses To Be Performed							0) 84 quoia 44243 72	0		RN	TEK							
			Ī										Analyse	в То В	e Perfor	med					
umber	Somple Number	f Containers	A = Air x C = Charcool	= Grab = Composite = Discrete		Somple Preservation	or No	774 C4S 8015)	-78	recse	urgeable Halocorbons (8010)	Purgeciale Aromotics (8020)	Purgeoble Organics (8241)	Extredoble Organica (8270)	Zn,Ni AA)		0.1				DO NOT BILL FOR TB-LB
Semple Number	Semp	Number of	Matrix S = Soil W = Woter	9 dd.	Ţ;∷•		Iced (Yes	(\$020 + 8015)	7PH Diesal (8015)	Oil and Gream (5520)	Purgeoble (8010)	Purgecial (8020)	Purgeoble (8240)	Extrector) (\$270)	Wetals Cd.Cr.Pb,Zn,Ni (ICAP or AA)		750	291	04		Romarko
MW-1	01	5	W	<u></u>	1156	HCL	YES	X	X	ļ											
MW-Z	20	5	W		1128		1	λ.	×				_		ļ		<u> </u>				
MW-3	CZ	5	V	<u> </u>	1104			X	X				_				\				
MW-4	04	5	\sim		1036			X	1			ļ		ļ	<u> </u>						
MW-5	05	5	W		1218			X	人							ļ		ļ			
MW-6	06	5	W		1011	\angle	<u> </u>	X	X		<u></u>						-				<u> </u>
TB	07	2						X													
															_						
										<u> </u>					<u> </u>		ļ	ļ			
								<u> </u>		1					<u> </u>	<u> </u>	-	\	\		
(_	_		_	_			
															<u> </u>		_		_	ļ	
, 											_		_\	_	_	<u> </u>	\ <u></u>	_	<u> </u>	<u> </u>	
																		<u></u>			
_	(Signature)		On	anization		Date/Time		oolyed I					Organiza	_	Do	to/IIme	10:50	1	Turn Ar		me (Circle Cholce)
	7	<u> </u>		B7.		105 105		ing the sales		Me			9690 Organiza		[4-4	r∕75 lo/Timo		-			i Hre. I Hre.
	Alla)	/	Org	janization		Date/11me 9/5/85	Re	colved l	ny (Sign	acture)			Organiza	10011		107 (11110	_			_6	Days
•		1	Ore	ponization		Dato/Timo		oleved	For Lab	oralory	Dy (Slan	nature))		Da	lo/Timo	13:04	1			Doye ontracted
		,		-				lo	cz/ .1	11514	latra	~			9/	5/95	<u>,</u>		<u> </u>		

Field Data Sheets

WELL GAUGING DATA

Project	# _9	5083	1-+1 Da	ate <u>8-3</u>	1-95	Client <u>C</u>	CHEVRO	<u>~</u>
Site_Z	1001	VER	SAILL	ES AV	£, A	LAME	DA	
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	<u> </u>				7.03	22.46	Tac
MWZ	2					6.07	22.12	
MW-3	2				ļ	8.09	23.43	
mwq	2				 	8.72	21.08	
MW-S	2] 		 	7.26	22.07	
MW-6	2					8.68	21.02	
	 					 	 	-
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	! !	 			 		<u> </u>	<u> </u>
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			<u> </u>	1	1			
	! ! !			1				
1					E E [

Project #	#: 95083	31-H1	Stat	ion #:		Project #: 950831-H1 Station #:									
Sampler:			Star	t Date: 8/	31/95										
Well I.D.	: MW-1		Well	Diameter: (circle one)	② 3 4 6									
Total Wel	ll Depth:		Dept	h to Water:											
Before	2.46 At	iter	Befo	Before 7.03 After											
Depth to	Free Produc	t:	Thic	kness of Free	Product (f	Teet):									
Measureme	ents referen	nced to:	(VC)	Grade	Other:										
7	Well Diamete 1" 2" 3" 4" 5"	er	VCF 0.04 0.16 0.37 0.35 1.02	Well Diamete 6" 8" 10" 12" 16"	er	VCF 1.47 2.61 4.08 5.87 10.43									
	75	x	3		75										
1 Case	Volume	_ ^ .	Specified Vo	olumes =	gallons										
Purging: Bailer Sampling: Bailer Disposable Bailer Disposable Bailer Extraction Port Other Electric Submersible Other Other															
TIME	TEMP.	рН	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:									
11:42	73.0	77	1000		2.5										
11:45	70.0	74	1000 -		5.0										
11:48	69.2	7.4	1000		7.5										
ļ				-											
	Dewater? K	O If ye	s, gals.		Actually Ev	acuated://5									
Sampling		16		pling Date: g	3/31/95										
I	.D .: paw-			oratory: 5FG											
Analyzed (Circle)	for: TPH-	STEX	TTH-D OT	ER:											
Duplicat	e I.D.:		Clea	aning Blank I	.D.:										
Analyzed (Circle)	Analyzed for: TPH-G BTEX TPH-D OTHER: (Circle)														

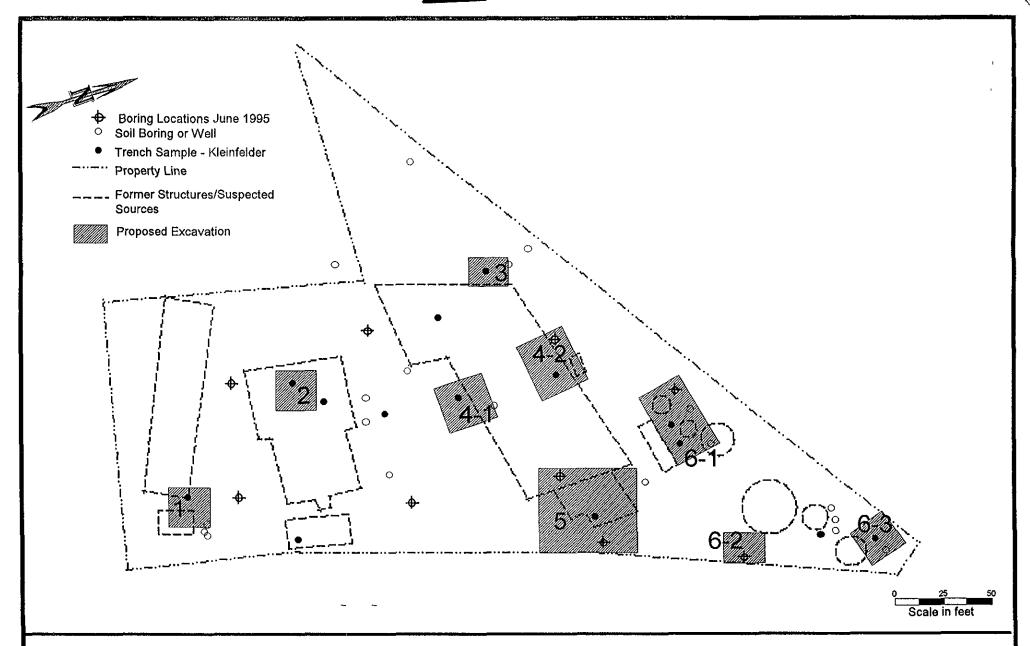
Project #: 950831-H1 Station #:									
Sampler: TNH	Start Date	: 8/31/95							
Well I.D.:	Well Diame	ter: (circle one)	2 3 4 6						
Total Well Depth:	Depth to W	ater:							
Before 22/2 After	Before 6	Before 6.52 After							
Depth to Free Product:	Thickness	Thickness of Free Product (feet):							
Measurements referenced to	: PVC Grad	e Other:	Other:						
Well Diameter 1" 2" 3" 4" 5"	VCF Well 0.04 6" 0.16 8" 0.37 10 0.65 12	tf .	VCF 1.47 2.61 4.08 5.87 10.43						
20	3	スを	<u> </u>						
1 Case Volume	Specified Volumes	= gallons							
Purging: Bailer X Disposable Bailer Middleburg Electric Submersi Extraction Pump Other		Sampling: Bailer > Disposable Bailer Extraction Port Other							
TIME TEMP. PH	COND. TURB:	IDITY: VOLUME REMOVED:	OBSERVATIONS:						
1011 710 77	1000	3	-						
11:16 1/20 120	1000	6							
11.11 00.2 20	1000		-						
11-20 00-00	-								
	_								
Did Well Dewater? NO If 3	_ ges, gals.	allons Actually Ex	racuated: 🙎						
Sampling Time: 11:28	Sampling:								
Sample I.D.: MW-Z	Laborator	Y: DEQ							
Analyzed for: TPH-G ETEX TPH-D OTHER:									
Duplicate I.D.:	Cleaning	Blank I.D.:							
Analyzed for: TPH-G BTE: (Circle)	K TPH-D OTHER:								

Project	#: 95083		Stat	ion #:				
Sample:			Star	t Date: 8	31/95			
Well I	.D.: MW-3		Wel]	L Diameter: (c	ircle one)	2 3 4 6		
1	Well Depth:		Dept	th to Water:	-			
Before.	27.43	fter	Befo	Before 8.09 After				
Depth :	to Free Produ	ict:	Thic	ckness of Free	Product (f	leet):		
Measur	ements refere	nced to:	€VO	Grade	Other:			
	Well Diamet 2" 2" 4" 5"	er	VCF 0.16 0.37 0.65 1.02	Well Diamete 6" 8" 10" 12" 16"	er	VCF 1.47 2.61 4.08 5.87 10.43		
	2.5		3		75			
1 Ca	se Volume	×	Specified Vo	olumes =	gallons			
Purgin	g: Bailery Disposable Middleburg Electric S Extraction Other	y Submersib	ole	Sampiir		ble Bailer ion Port		
TIME	TEMP.	PH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:		
1053	70.0	7.8	1000		-2.5			
1256	67.4	7.4	1000 -		- 5.0_			
1050	66.6	7.4	1000 -		7.5			
1								
Did We	ll Dewater?	O If yo	es, gals.	Gallons .	Actually Ev	acuated: 7,5		
	ng Time: //!	04 -		pling Date: 8	3/31/95	-		
Sample	I.D.: MU		Lab	oratory: TEG	?			
Analyz (Circl	ed for: TPH		TPH-B) OT	HER:				
Duplicate I.D.: Cleaning Blank I.D.:								
Analyz (Circl	ed for: TPH	-G BTEX	TPH-D OT	HER:				

Project	Project #: 950831-H1 Station #:									
Sampler:	TNH		Star	t Date: 8	31/95					
Well I.D	: Mw-4		Well	Diameter: (circle one)	② 3 4 6				
Total We	ll Depth:	·	Dept	Depth to Water:						
Before 2	_	ter	Befo	re 8.22	After					
	Free Produc	:t:	Thio	kness of Free	Product (f	eet):				
Measurem	ents referer	ced to:	(PVC)	Grade	Other:					
	Well Diamete 1" 2" 3" 4" 5"	èr	VCF 0.04 0.16 0.37 0.65 1.02	Well Diamete 8" 10" 12" 16"	er	VCF 1.47 2.61 4.08 5.87 10.43				
	76		3		6.0)				
1 Case	1 Case Volume			olumes =	gallons					
Purging: Bailer Sampling: Bailer Disposable Bailer Extraction Port Other										
TIME	TEMP.	рН	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:				
1025	73.2	7.8	1000		2					
1028	69.6	8.0	1000		4					
1031	692	7.9	1000		6					
7027										
	-									
	-									
Did Well	Dewater?	n If ye	s, gals.	Gallons	Actually Ev	acuated: 6				
Sampling	· · · · · · · · · · · · · · · · · · ·	<u>0 </u>		pling Date:	3/1/95					
Sample 1	I.D.: MW	-4	Lab	oratory:	Q .					
Analyzed (Circle)	Analyzed for: TPH-G BTEX TPH-D OTHER: (Circle)									
Duplicat	e I.D.:		Cle	aning Blank l	.D.:					
Analyzed (Circle)	i for: TPH-	G BTEX	TPH-D OI	HER:						

Project	#: 95083	1-41	Stat	ion #:					
Sample:			Star	t Date: 8/5	31/75				
Well I	D.: MW-5	-	Well	Diameter: (c	ircle one)	② 3 4 6			
Total V	Well Depth:		Dept	h to Water:					
Before	22-07 A	fter	Befo	re 7.26	After				
Depth t	o Free Produc	ct:	Thic	kness of Free	Product (f	eet):			
Measure	ements refere	nced to:	₹	Grade	Other:				
	Well Diamete 1" 2" 3" 4" 5"	≥r	VCF 0.04 0.16 0.37 0.65 1.02	Well Diamete 6" 8" 10" 12" 16"	er	VCF 1.47 2.61 4.08 5.87 10.43			
	- J Y		3		7.2	···			
1 Ca	se Volume	_ x _	Specified Vo	olumes =	gallons				
Purging: Bailer Disposable Bailer Middleburg Electric Submersible Extraction Pump Other									
TIME	TEMP.	рн	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:			
12:07	726	79	580		2.5				
12:07	68 8	78	540		5.0				
10/10	68.2	77	500		75				
1011	60.00	1775	<u> </u>						
	_								
		·							
Did We	ll Dewater?	I If ye	. gals.	Gallons	\ Actually Ev	1acuated: 7,5			
I	ng Time: /2:		Sam	pling Date: ¿	8/31/95				
Sample			Lab	oratory: DEC	<i></i> ,,				
Analyz (Circl	Analyzed for: TPH-G BTEX TPH-D OTHER: (Circle)								
Duplic	ate I.D.:		Cle	aning Blank I	.D.:				
Analyz (Circl	ed for: TPH- e)	-G BTEX	TPH-D OT	HER:					

Project	#: 9508	31-H1	Stat	ion #:					
Sample:			Star	t Date: 8/	31/95				
Well I	.D.: MW-G		Well	Diameter: (c	ircle one)	<u>(2)</u> 3 4 6			
Total	Well Depth:		Dept	th to Water:					
Before	21.02 A	fter 	Befo	Before 8.68 After					
Depth	to Free Produ	ct:	Thic	kness of Free	Product (f	feet): 			
Measur	ements refere	nced to:	PVC						
	Well Diamet 2" 3" 4" 5"	er	VCF 0.04 0.16 0.37 0.65 1.02	Well Diamete 6" 8" 10" 12" 16"	r	VCF 1.47 2.61 4.08 5.87 10.43			
	2.6	x	15		6-0				
1 Ca	se Volume	- ^ -	Specified V	olumes =	gallons				
Purgin	g: Bailer& Disposable Middleburg Electric S Extraction Other_	ubmersib.	le 	Samplin		ble Bailer ion Port			
TIME	TEMP.	рH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:			
10:00	72:4	7.4	780		7				
10:07		7.8	190		Ÿ				
10:06	68.0	79	800		6				
10	_60.0	-		- 					
<u> </u>		_		ļ					
ļ		-	·						
Did wa			s, gals.	Gallons	Actually Ev	acuated: <u>/</u>			
	ell Dewater?		_		11-	<i>D</i>			
 	ing Time: 16.	//		pling Date:	3195				
<u> </u>	I.D.: MW			oratory: JEG	<u>. </u>				
Analy: (Circ	red for: TPH- le)	-G X ETEX	ZFH-D) OI	HER:					
Duplio	Duplicate I.D.: Cleaning Blank I.D.:								
Analy: (Circ		-G BTEX	TPH-D OT	HER:					





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

FIGURE

8

PROJECT NO.

chev-1

DRAWN BY:

DATE

AMD

7/95

BASE MAP: KLEINFELDER