GETTLER-RYAN INC.

August 1, 1996 Job #6324.80

Mr. Phillip Briggs
Chevron USA Products Company
P.O. Box 5004
San Ramon, CA 94583

Re: Former Chevron Service Station #9-0191
900 Otis Drive
Alameda, California

Dear Mr. Briggs:

This report documents the quarterly groundwater sampling event performed by Gettler-Ryan Inc. (G-R). On June 27, 1996, field personnel were on-site to monitor and sample six wells (MW-2 through MW-7) at the Former Chevron Service Station #9-0191 located at 900 Otis Drive in Alameda, California.

Static groundwater levels were measured on June 27, 1996. All wells were checked for the presence of separate-phase hydrocarbons. Separate-phase hydrocarbons were not present in any of the site wells. Static water level data and groundwater elevations are presented in Table 1. A potentiometric map is included as Figure 1.

Groundwater samples were collected from the monitoring wells as specified by G-R Standard Operating Procedure - Groundwater Sampling (attached). The field data sheets for this event are also attached. The samples were analyzed by Sequoia Analytical. Analytical results are presented in Table 1. The chain of custody document and laboratory analytical reports are attached.

Thank you for allowing Gettler-Ryan to provide environmental services to Chevron. Please call if you have any questions or comments regarding this report.

Sincerely,

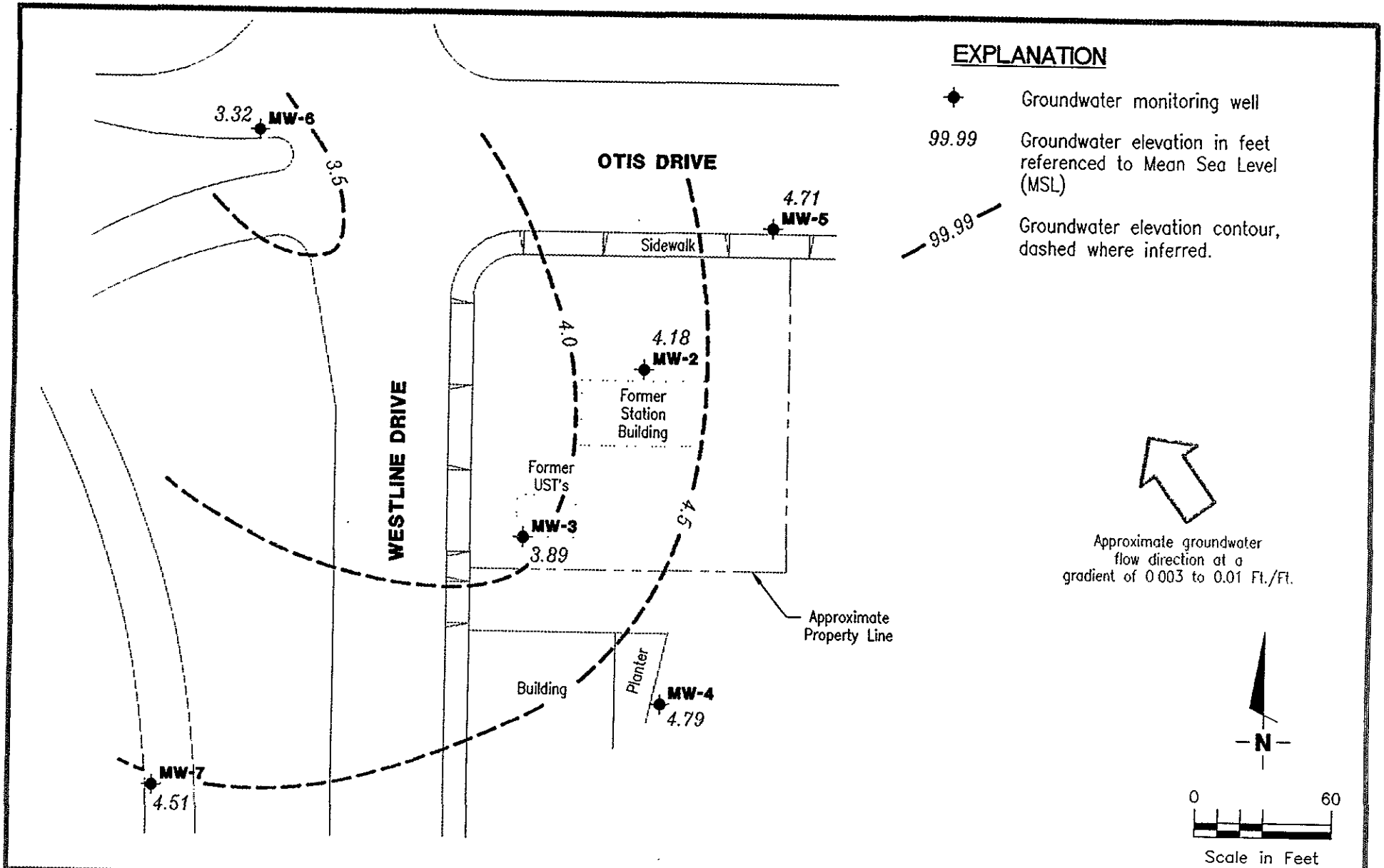
Deanna L. Harding
Project Coordinator

Penny L. Silzer
Senior Geologist, R.G. No. 5523

REGISTERED GEOLOGIST
Penny L. Silzer
No. 5523
STATE OF CALIFORNIA

DLH/PLS/dlh
6324.QML

Figure 1: Potentiometric Map
Table 1: Water Level Data and Groundwater Analytical Results
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports



Gettler - Ryan Inc.
6747 Sierra Ct., Suite J (510) 551-7555
Dublin, CA 94568

POTENTIOMETRIC MAP
Former Chevron Service Station No. 9-0191
900 Otis Drive
Alameda, California

FIGURE 1

JOB NUMBER 6324
REVIEWED BY
DATE June 27, 1996
REVISED DATE

Table 1. Water Level Data and Groundwater Analytical Results - Former Chevron Service Station #9-0191, 900 Otis Drive, Alameda, California

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G)	B	T	E	X	MTBE
						<———	ppb	———		———>
MW-2/ 9.17	2/8/96	2.75	6.42	—	94	ND	ND	ND	ND	—
	6/27/96	4.99	4.18	0	<50	<0.50	<0.50	<0.50	<0.50	<2.5
MW-3/ 7.11	2/8/96	1.36	5.75	—	460	26	ND	5.8	ND	—
	6/27/96	3.22	3.89	0	130[1]	<0.50	<0.50	<0.50	0.51	16
MW-4/ 7.78	2/8/96	1.32	6.46	—	ND	ND	ND	ND	ND	—
	6/28/96	2.99	4.79	0	<50	<0.50	<0.50	<0.50	<0.50	<2.5
MW-5/ 7.37	2/8/96	0.75	6.62	—	ND	ND	ND	ND	ND	—
	6/27/96	2.66	4.71	0	<50	<0.50	<0.50	<0.50	<0.50	<2.5
MW-6/ 7.30	2/8/96	2.10	5.20	—	ND	ND	ND	ND	ND	—
	6/27/96	3.98	3.32	0	<50	<0.50	<0.50	<0.50	<0.50	<2.5
MW-7/ 9.58	2/8/96	3.24	6.34	—	ND	ND	ND	ND	ND	—
	6/27/96	5.07	4.51	0	<50	<0.50	<0.50	<0.50	<0.50	<2.5
Trip Blank	6/27/96	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	<2.5

EXPLANATION:

DTW = Depth to water
TOC = Top of casing elevation
GWE = Groundwater elevation
msl = Measurements referenced relative to mean sea level
TPH(G) = Total Purgeable Petroleum Hydrocarbons as Gasoline
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
ppb = Parts per billion
ND = Not-Detected
— = Not analyzed/Not applicable

ANALYTICAL METHODS:

EPA Method 8015/5030 for TPH(G)
EPA Method 8020 for BTEX & MTBE

NOTES:

Water level elevation data and laboratory analytical results prior to June 27, 1996, were compiled from Quarterly Monitoring Reports prepared for Chevron by Pacific Environmental Group.

* Product thickness was measured on and after June 27, 1996, with a MMC Flexi-Dip interface probe.

[1] Laboratory report indicates unidentified hydrocarbons C6-C12.

6324.TQM

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

Gettler-Ryan field personnel adhere to the following procedures for the collection and handling of groundwater samples prior to analysis by the analytical laboratory. Prior to sample collection, the type of analysis to be performed is determined. Loss prevention of volatile compounds is controlled and sample preservation for subsequent analysis is maintained.

Prior to sampling, the presence or absence of free-phase hydrocarbons is determined using a MMC flexi-dip interface probe. Product thickness, if present, is measured to the nearest 0.01 foot and is noted in the field notes. In addition, static water level measurements are collected with the interface probe and are also recorded in the field notes.

After water levels are collected and prior to sampling, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, suction, Grundfos), or polyvinyl chloride bailers. Temperature, pH and electrical conductivity are measured a minimum of three times during the purging. Purging continues until these parameters stabilize.

Groundwater samples are collected using Chevron-designated disposable bailers. The water samples are transferred from the bailer into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used when possible. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler, maintained at 4°C for transport to the laboratory. Once collected in the field, all samples are maintained under chain of custody until delivered to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected, and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory supplied trip blank accompanies each sampling set. For sampling sets greater than 20 samples, 5% trip blanks are included. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.

As requested by Chevron USA Products Company, the purge water and decontamination water generated during sampling activities is transported by IWM to McKittrick Waste Management located in McKittrick, California.

(5)

WELL SAMPLING FIELD DATA SHEET

SAMPLER: E. Cline | DATE: 6-27-96

ADDRESS: 900 Otis Drive | JOB #: 6324.85

CITY: Alameda CA | SS#: 9-0191

Well ID: MW-2 | Well Condition: Okay

Well Location Description:

Well Diameter: 2" in | Hydrocarbon Thickness: 0

Total Depth: 15.3 ft

Depth to Liquid: 4.99 ft

Volume Factor (VF)			
	2" = 0.17	6" = 1.50	12" = 5.80
	3" = 0.38		
	4" = 0.66		

# of casing Volume: 3X 10.31 × 0.17 x(VF) 1.18 #Estimated purge Volume: 6.4 gal.

Purge Equipment: Suction | Sampling Equipment: Bailer

Did well dewater: No | If yes, Time: ___ | Volume:

Starting Time: 1622 | Purging Flow Rate: 1 gpm.

Sampling Time: 1631

Time	pH	Conductivity	Temperature	Volume
1624	8.57	713	23.6	2
1626	8.71	553	21.6	4
1628	8.62 ✓	580 ✓	21.7 ✓	6
1631	8.65	557	21.6	7

Weather Conditions: Cloudy Cool

Water Color: Clear | Odor: None

Sediment Description: None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-2	3x40ml VOA	Y	HCl	SEQ	Gas BTXE MTBE

Comments:

(5)

WELL SAMPLING FIELD DATA SHEET

SAMPLER: F. Cline | DATE: 6-27-96

ADDRESS: 900 Otis Drive | JOB #: 6324.85

CITY: Alameda CA | SS#: 9-0191

Well ID: MW-3 | Well Condition: Okay

Well Location Description:

Well Diameter: 2" in | Hydrocarbon Thickness: 0

Total Depth: 14.17 ft

Depth to Liquid: 3.22 ft

Volume Factor (VF)			
	2" = 0.17	6" = 1.50	12" = 5.80
	3" = 0.38		
	4" = 0.66		

# of casing Volume: 3X 11.48 x 0.17 x(VF) 1.95 #Estimated purge Volume: 5.85 gal.

Purge Equipment: Suction | Sampling Equipment: Bailer

Did well dewater: NO | If yes, Time: ___ | Volume: ___

Starting Time: 1635 | Purging Flow Rate: t gpm.

Sampling Time: 1644

Time	pH	Conductivity	Temperature	Volume
1637	7.09	5090	20.3	2
1639	7.26	3490	20.4	4
1641	7.31	3410 ✓	20.3 ✓	6
1644	7.24 ✓	3450	20.3	7

Weather Conditions: Cloudy Cool

Water Color: Brown/Grey | Odor: None

Sediment Description: Silty

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-3	3x40ml VOA	Y	HCl	SEQ	Gas BTXE MTBE

Comments:

(5)

WELL SAMPLING FIELD DATA SHEET

SAMPLER: E. Cline | DATE: 6-27-96

ADDRESS: 900 Otis Drive | JOB #: 6324.85

CITY: Alameda CA | SS#: 9-0191

Well ID: MW-4 | Well Condition: okay

Well Location Description:

Well Diameter: 2" in | Hydrocarbon Thickness: 0

Total Depth: 16 ft

Depth to Liquid: 2.99 ft

Volume Factor (VF)			
	2" = 0.17	6" = 1.50	12" = 5.80
	3" = 0.38		
	4" = 0.66		

# of casing Volume: 3X 13.01 x 0.17 x(VF) 2.2 #Estimated purge Volume: 6.6 gal.

Purge Equipment: Suction | Sampling Equipment: Bailer

Did well dewater: No | If yes, Time: ___ | Volume:

Starting Time: 1607

Sampling Time: 1616

Purging Flow Rate: 1.1 gpm.

Time	pH	Conductivity	Temperature	Volume
1609	8.13	940	22.1	2.2
1613	8.20	1060	21.6	4.4
1616	8.22 ✓	1080 ✓	21.3 ✓	6.6
	8.23	1075	21.6	7.0

Weather Conditions: Cloudy cool

Water Color: Brown/Grey | Odor: None

Sediment Description: Silty

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-4	3x40ml VOA	Y	HCl	SEQ	Gas BTXE MTBE

Comments:

(5)

WELL SAMPLING FIELD DATA SHEET

SAMPLER: F. Cline | DATE: 6-27-96

ADDRESS: 900 Otis Drive | JOB #: 6324.85

CITY: Alameda CA | SS#: 9-0191

Well ID: MW-5 | Well Condition: Okay

Well Location Description:

Well Diameter: 2" in | Hydrocarbon Thickness: 0

Total Depth: 16' ft

Depth to Liquid: 2.66 ft

Volume Factor (VF)			
	2" = 0.17	6" = 1.50	12" = 5.80
	3" = 0.38		
	4" = 0.66		

# of casing Volume: 3X 13.34 x 0.17 x(VF) 2.29 #Estimated purge Volume: 6.81 gal.

Purge Equipment: Suction | Sampling Equipment: Bailer

Did well dewater: NO | If yes, Time: ___ | Volume:

Starting Time: 15:13 | Purging Flow Rate: 1.2 gpm.

Sampling Time: 1522

Time	pH	Conductivity	Temperature	Volume
15:15	8.39	718	25.1	2.4
1517	8.40	655	24.6	4.8
1519	8.43	660 ✓	24.3 ✓	7.2
1522	8.42	660	24.3	8.0

Weather Conditions: Cloudy cool

Water Color: Clear | Odor: None

Sediment Description: None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-5	3x40ml VOA	Y	HCl	SEQ	Gas BTXE MTBE

Comments:

(5)

WELL SAMPLING FIELD DATA SHEET

SAMPLER: E. Cline | DATE: 6-27-96

ADDRESS: 900 Otis Drive | JOB #: 6324.85

CITY: Alameda CA | SS#: 9-0191

Well ID: MW-6 | Well Condition: Okay

Well Location Description:

Well Diameter: 2" in | Hydrocarbon Thickness: 0

Total Depth: 17' ft

Depth to Liquid: 3.98 ft

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66	6" = 1.50	12" = 5.80

# of casing Volume: 3X 13.02 x 0.17 x(VF) 2.2 #Estimated purge Volume: 6.6 gal.

Purge Equipment: Suction | Sampling Equipment: Bailer

Did well dewater: NO | If yes, Time: ___ | Volume:

Starting Time: 1446

Sampling Time: 1455

Purging Flow Rate: 1.1 gpm.

Time	pH	Conductivity	Temperature	Volume
1448	7.80	7200	25.0	2.2
1450	7.82	~~9600~~	24.7	4.4
1452	7.83 ✓	9550 ✓	24.6 ✓	6.6
1455	7.82 ✓	9560 ✓	24.7	7.6

Weather Conditions: Cloudy Cool

Water Color: Grey | Odor: None

Sediment Description: Light Silt

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-6	3x40ml VOA	Y	HCl	SEQ	Gas BTXE MTBE

Comments:

(5)

WELL SAMPLING FIELD DATA SHEET

SAMPLER: F. Cline | DATE: 6-27-96

ADDRESS: 900 Gris Drive | JOB #: 6324.85

CITY: Alameda CA | SS#: 9-0191

Well ID: MW-7 | Well Condition: Okay

Well Location Description:

Well Diameter: 2" in | Hydrocarbon Thickness: 0

Total Depth: 14' ft

Depth to Liquid: 5.07 ft

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66	6" = 1.50	12" = 5.80

# of casing Volume: 3 x 8.93 x 0.17 x(VF) 1.5 #Estimated purge Volume: 4.5 gal.

Purge Equipment: Suction | Sampling Equipment: Bailer

Did well dewater: NO | If yes, Time: ___ | Volume:

Starting Time: 14:25 | Purging Flow Rate: 0.75 gpm.

Sampling Time:

Time	pH	Conductivity	Temperature	Volume
14:27	7.66	501	27.0	1.5
14:29	8.20	385	24.0	3.0
14:31	8.20 ✓	460 ✓	23.0 ✓	4.5
14:34	8.20	465	22.9	5.0

Weather Conditions: Cloudy Cool

Water Color: Grey | Odor: None

Sediment Description: clear

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-7	3x40ml VOA	Y	HCl	SEQ	Gas BTXE MTBE

Comments:

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

Chain-of-Custody

Chevron U.S.A. Inc.
P.O. BOX 5004
San Ramon, CA 94583
FAX (415)842-9591

Chevron Facility Number: 9-0191
Facility Address: 900 Otis Drive Alameda CA
Consultant Project Number: 6.324.85
Consultant Name: Gettler-Ryan
Address: 6747 Sierra Ct, Ste J, Dublin 94568
Project Contact (Name): Deanna Harding
(Phone): 510 551-7555 (Fax Number): 510 551-7888

Chevron Contact (Name): Phil Briggs
(Phone): 842-9136
Laboratory Name: SBQ
Laboratory Release Number: 7097700
Samples Collected by (Name): F. Cline
Collection Date: 6-27-96
Signature:

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)	TPH Gas + BTEX w/MTBE (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)	9606583	Remarks
TB-LB	1	2	W	TB	—	HCl	Y	X									DO NOT BILL TB-LB ANALYSI
MW-7	2	3		G	1434			X									
MW-6	3				1455			X									
MW-5	4				1522			X									
MW-4	5				1616			X									
MW-2	6				1631			X									
MW-3	7				1644			X									

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	C&K	6-28-96/845			
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
					6/28/96 845

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

COC-3.DWG/03 91/HCH

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

Gettler Ryan/Geostrategies
6747 Sierra Court Suite G
Dublin, CA 94568

Attention: Deanna Harding

Client Proj. ID: Chevron 9-0191, Alameda
Sample Descript: TB-LB
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9606G83-01

Sampled: 06/27/96
Received: 06/28/96

Analyzed: 07/05/96
Reported: 07/11/96

QC Batch Number: GC070596BTEX03A
Instrument ID: GCHP3

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	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	102

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

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
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Gettler Ryan/Geostrategies	Client Proj. ID: Chevron 9-0191, Alameda	Sampled: 06/27/96
6747 Sierra Court Suite G	Sample Descript: MW-7	Received: 06/28/96
Dublin, CA 94568	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 07/05/96
Attention: Deanna Harding	Lab Number: 9606G83-02	Reported: 07/11/96

QC Batch Number: GC070596BTEX03A
Instrument ID: GCHP3

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	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	95

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

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager

Sequoia Analytical

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Gettler Ryan/Geostrategies
6747 Sierra Court Suite G
Dublin, CA 94568

Attention: Deanna Harding

Client Proj. ID: Chevron 9-0191, Alameda
Sample Descript: MW-6
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9606G83-03

Sampled: 06/27/96
Received: 06/28/96

Analyzed: 07/05/96
Reported: 07/11/96

QC Batch Number: GC070596BTEX03A
Instrument ID: GCHP3

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	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	98

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

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager

Sequoia Analytical

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Gettler Ryan/Geostrategies
6747 Sierra Court Suite G
Dublin, CA 94568

Attention: Deanna Harding

Client Proj. ID: Chevron 9-0191, Alameda
Sample Descript: MW-5
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9606G83-04

Sampled: 06/27/96
Received: 06/28/96

Analyzed: 07/05/96
Reported: 07/11/96

QC Batch Number: GC070596BTEX03A
Instrument ID: GCHP3

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	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	94

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

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager

Sequoia Analytical

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Gettler Ryan/Geostrategies
6747 Sierra Court Suite G
Dublin, CA 94568

Attention: Deanna Harding

Client Proj. ID: Chevron 9-0191, Alameda
Sample Descript: MW-4
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9606G83-05

Sampled: 06/27/96
Received: 06/28/96

Analyzed: 07/05/96
Reported: 07/11/96

QC Batch Number: GC070596BTEX03A
Instrument ID: GCHP3

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	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	94

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

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager

Sequoia Analytical

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Gettler Ryan/Geostrategies
6747 Sierra Court Suite G
Dublin, CA 94568

Attention: Deanna Harding

Client Proj. ID: Chevron 9-0191, Alameda
Sample Descript: MW-2
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9606G83-06

Sampled: 06/27/96
Received: 06/28/96

Analyzed: 07/05/96
Reported: 07/11/96

QC Batch Number: GC070596BTEX03A
Instrument ID: GCHP3

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	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	93

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

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager

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

Gettler Ryan/Geostrategies
6747 Sierra Court Suite G
Dublin, CA 94568

Attention: Deanna Harding

Client Proj. ID: Chevron 9-0191, Alameda
Sample Descript: MW-3
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9606G83-07

Sampled: 06/27/96
Received: 06/28/96

Analyzed: 07/05/96
Reported: 07/11/96

QC Batch Number: GC070596BTEX17A
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**	**130**
Methyl t-Butyl Ether	**2.5**	**16**
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	**0.50**	**0.51**
Chromatogram Pattern:		
Unidentified HC		**C6-C12**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	120

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

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager

Sequoia Analytical

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Gettler Ryan/Geostrategies	Client Project ID:	Chevron 9-0191, Alameda	
6747 Sierra Court, Ste J	Matrix:	Liquid	
Dublin, CA 94568			
Attention: Deanna Harding	Work Order #:	9606G83 -01 - 06	Reported: Jul 16, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC070596BTEX03A	GC070596BTEX03A	GC070596BTEX03A	GC070596BTEX03A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	J. Woo	J. Woo	J. Woo	J. Woo
MS/MSD #:	G9606E71-03B	G9606E71-03B	G9606E71-03B	G9606E71-03B
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	7/5/96	7/5/96	7/5/96	7/5/96
Analyzed Date:	7/5/96	7/5/96	7/5/96	7/5/96
Instrument I.D.#:	GCHP3	GCHP3	GCHP3	GCHP3
Conc. Spiked:	10 ug/L	10 ug/L	10 ug/L	30 ug/L
Result:	10	11	11	33
MS % Recovery:	100	110	110	110
Dup. Result:	10	11	11	33
MSD % Recov.:	100	110	110	110
RPD:	0.0	0.0	0.0	0.0
RPD Limit:	0-25	0-25	0-25	0-25
LCS #:	GBLK070596A	GBLK070596A	GBLK070596A	GBLK070596A
Prepared Date:	7/5/96	7/5/96	7/5/96	7/5/96
Analyzed Date:	7/5/96	7/5/96	7/5/96	7/5/96
Instrument I.D.#:	GCHP3	GCHP3	GCHP3	GCHP3
Conc. Spiked:	10 ug/L	10 ug/L	10 ug/L	30 ug/L
LCS Result:	10	11	11	34
LCS % Recov.:	100	110	110	113
MS/MSD	60-140	60-140	60-140	60-140
LCS	70-130	70-130	70-130	70-130
Control Limits				

SEQUOIA ANALYTICAL

Mike Gregory
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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Gettler Ryan/Geostrategies
6747 Sierra Court, Ste J
Dublin, CA 94568
Attention: Deanna Harding

Client Project ID: Chevron 9-0191, Alameda
Matrix: Liquid
Work Order #: 9606G83 -07

Reported: Jul 16, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC070596BTEX17A	GC070596BTEX17A	GC070596BTEX17A	GC070596BTEX17A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	J. Woo	J. Woo	J. Woo	J. Woo
MS/MSD #:	G9606E71-03C	G9606E71-03C	G9606E71-03C	G9606E71-03C
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	7/5/96	7/5/96	7/5/96	7/5/96
Analyzed Date:	7/5/96	7/5/96	7/5/96	7/5/96
Instrument I.D.#:	GCHP17	GCHP17	GCHP17	GCHP17
Conc. Spiked:	10 ug/L	10 ug/L	10 ug/L	30 ug/L
Result:	10	10	9.9	30
MS % Recovery:	100	100	99	100
Dup. Result:	9.7	9.5	9.5	29
MSD % Recov.:	97	95	95	97
RPD:	3.0	5.1	4.1	3.4
RPD Limit:	0-25	0-25	0-25	0-25
LCS #:	GBLK070596A	GBLK070596A	GBLK070596A	GBLK070596A
Prepared Date:	7/5/96	7/5/96	7/5/96	7/5/96
Analyzed Date:	7/5/96	7/5/96	7/5/96	7/5/96
Instrument I.D.#:	GCHP17	GCHP17	GCHP17	GCHP17
Conc. Spiked:	10 ug/L	10 ug/L	10 ug/L	30 ug/L
LCS Result:	9.5	9.3	9.4	28
LCS % Recov.:	95	93	94	93
MS/MSD Control Limits	60-140	60-140	60-140	60-140
LCS Control Limits	70-130	70-130	70-130	70-130

SEQUOIA ANALYTICAL

Mike Gregory
Project Manager

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