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MID-CENTRAL
COMMUNICATIONS



Chevron

March 27, 1998

Chevron Products Company

6001 Bollinger Canyon Road
Building L
San Ramon, CA 94583
P.O. Box 6004
San Ramon, CA 94583-0904

Marketing - Sales West

Phone 510 842-9500

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

**Re: Former Chevron Service Station # 9-4587
609 Oak Street
Oakland, California**

Dear Mr. Seto:

Enclosed is a copy of the Soil Sampling Report that was prepared by our consultant *Gettler-Ryan Inc.* for the above noted site.

This report addresses the collection of soil samples during the demolition of the car wash building at this site. The samples were collected in the area of the former car wash building to evaluate if the soil had been impacted by hydrocarbons from the car washing activities.


The samples were collected from underneath the outlet end of the former conveyor belt pit area. This is the area in which the wash/rinse water would accumulate. Additional samples were collected from underneath the former reclaim pit area. The reclaim pits were used to reclaim/reuse the wash/rinse water from the operation of the car wash and would normally be full of water residue.

The soil samples were analyzed for TPH-g, BTEX, MtBE, and halogenated volatile organics (HVOs). All analyzed samples were below method detection limits for all constituents. Therefore, it appears that gasoline hydrocarbons or HVOs has not impacted the soil in the area of the former car wash building. No further action is warranted.

March 27, 1998
Mr. Larry Seto
Former Chevron Service Station #9-4587
Page 2

If you have any questions or comments, call me at (510) 842-9136.

Sincerely,
CHEVRON PRODUCTS COMPANY



Philip R. Briggs
Site Assessment and Remediation Project Manager

Enclosure

Cc. Ms. Bette Owen, Chevron

Ms. Anne Payne, Chevron, ChvPrk V-1156

Mr. Dewey Bargiacchi
The Paris Company
8520 Pardee
Oakland, CA 94621

Mr. James M. Kimberlin
1100 Howe Avenue Apt. #421
Sacramento, CA 95825-3436

Mr. William Kimberlin
51 Eureka Street
Kensington, CA 94707



GETTLER-RYAN INC.

March 25, 1998

Mr. Phil Briggs
Chevron Products Company
P.O. Box 6004
San Ramon, California 94583

Subject: Soil Sampling at Former Chevron Service Station #9-4587, 609 Oak Street, Oakland, California.

Mr. Briggs

On February 27, 1998, Gettler-Ryan Inc. (GR) personnel collected soil samples during demolition activities at the referenced site. The samples were collected in the area of the former car wash building to evaluate if native soil in this area has been impacted by hydrocarbons from car washing activities. The car wash building was demolished and the conveyor pit and reclaim pit areas were excavated by the property owners contractor.

The samples were collected from underneath the former conveyor pit area of the car wash and at the outlet end in which the wash/rinse water would accumulate. The former reclaim pits were used to reclaim and reuse the wash/rinse water in the operation of the car wash and the samples were collected from beneath these pits.

Three samples (S1-3.5 through S3-3.5) were collected from beneath the former conveyor pit at the approximate depth of 3.5 feet below ground surface (bgs). One soil sample (S4-5.0) was collected from the eastern sidewall of the reclaim pit at the depth of approximately 5.0 feet bgs, and three samples (S5-7.0 through S7-7.0) were collected from beneath the bottom of the reclaim pit at the depth of approximately 7.0 feet bgs. Soil sampling procedures are described in GR Field Methods and Procedures (attached). Sample locations are shown on Figure 1.

The samples were delivered under chain-of-custody to Sequoia Analytical in Redwood City (ELAP #1210). The samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene and xylenes (BTEX) and methyl tertiary-butyl ether (MTBE) using Environmental Protection Agency (EPA) Methods 5030/8015 Mod/8020, and for halogenated volatile organics (HVOs) using EPA Method 8010. TPHg, BTEX, MTBE or HVOs were not detected in samples S1-3.5 through S7-7.0. Analytical results are summarized in Table 1. Copies of the laboratory report and chain-of-custody record are attached. Based on laboratory analytical results for samples collected during this investigation, it appears that the soil in the area of the former car wash building has not been impacted by gasoline hydrocarbons or HVOs.

If you have any questions, please call us at (925) 551-7555.

Sincerely,
Gettler-Ryan Inc.

Barbara Sieminski
Project Geologist, R.G.



Attachments: Table 1. Soil Sample Analytical Results
Figure 1. Soil Sample Location Map
GR Field Methods and Procedures
Laboratory Analytical Report and Chain-of-Custody Record

cc: GR file

Table 1. Soil Sample Analytical Results, Former Chevron Service Station #9-4587, 609 Oak Street, Oakland, California.

Sample ID	Date	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	HVOs
		←-----ppm----->						
S1-3.5	02/27/98	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	ND
S2-3.5	02/27/98	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	ND
S3-3.5	02/27/98	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	ND
S4-5.0	02/27/98	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	ND
S5-7.0	02/27/98	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	ND
S6-7.0	02/27/98	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	ND
S7-7.0	02/27/98	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	ND

EXPLANATION:

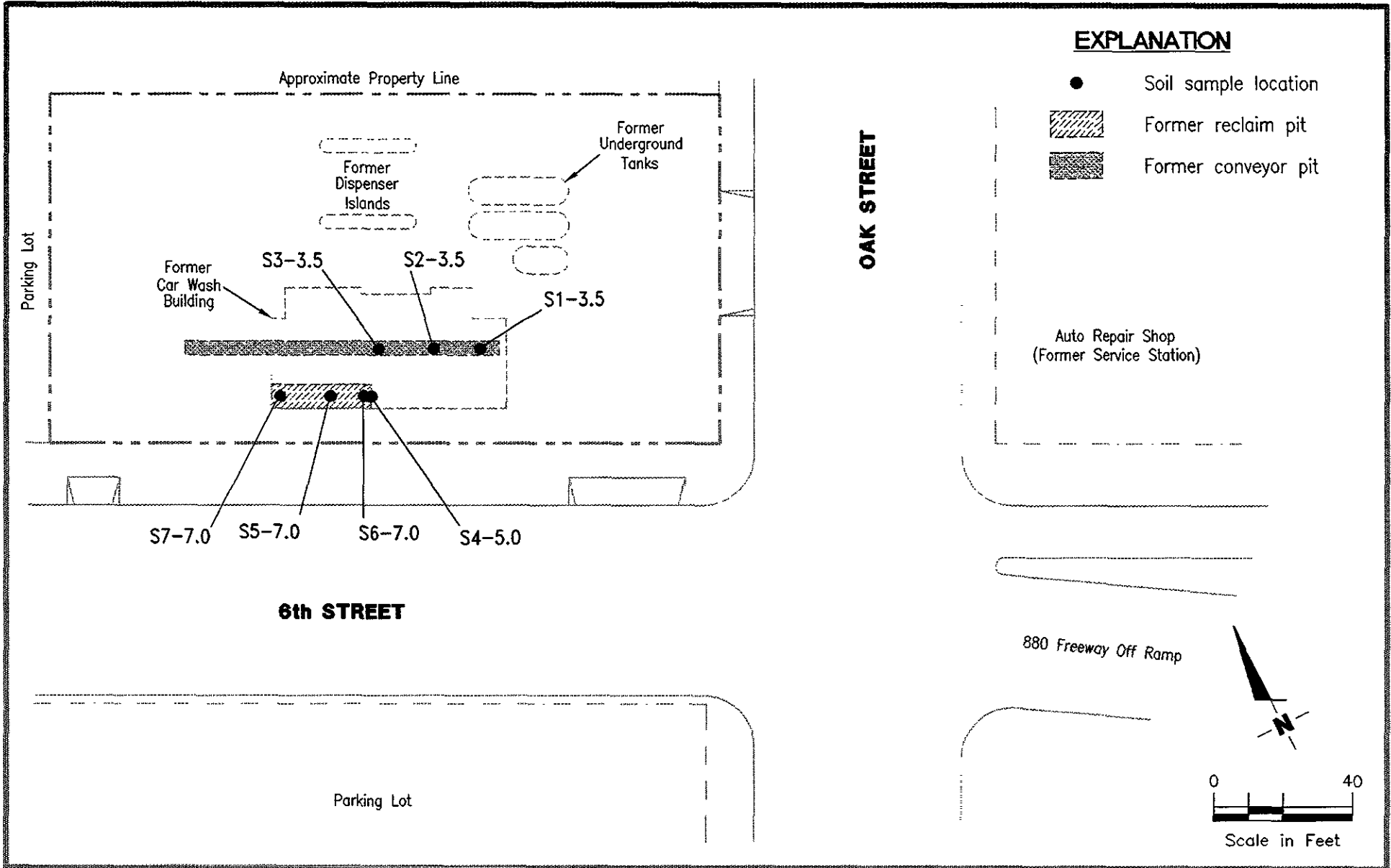
TPHg = Total Petroleum Hydrocarbons as gasoline
 MTBE = Methyl tertiary-Butyl Ether
 HVOs = Halogenated Volatile Organics
 ppm = Parts per million
 ND = Not detected

ANALYTICAL METHODS:

TPHg = EPA Method 8015Mod
 Benzene, toluene, ethylbenzene, xylenes, MTBE = EPA Method 8020
 HVOs = EPA 8010

ANALYTICAL LABORATORY:

Sequoia Analytical (ELAP #1210)



Gettler - Ryan Inc.

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

SOIL SAMPLE LOCATION MAP

Former Chevron Service Station No. 9-4587
609 Oak Street
Oakland, California

FIGURE

1

JOB NUMBER
346428.01

REVIEWED BY

[Signature]

DATE
March, 1998

REVISED DATE

GETTLER-RYAN INC.

FIELD METHODS AND PROCEDURES

Site Safety Plan

Field work performed by Gettler-Ryan Inc. (GR) is conducted in accordance with GR's Health and Safety Plan and the Site Safety Plan. GR personnel and subcontractors who perform work at the site are briefed on the contents of these plans prior to initiating site work. The GR geologist or engineer at the site when the work is performed acts as the Site Safety Officer. GR utilizes a photoionization detector (PID) to monitor ambient conditions as part of the Health and Safety Plan.

Collection of Samples

Soil samples are collected from the wall or base of the excavation with a hand-driven sampling device fitted with a 2-inch-diameter, clean brass tube or stainless steel liner, or a sample tube is filled by driving it directly into the soil in the excavation with a mallet. After removal from the sampling device, sample tubes are covered on both ends with teflon sheeting, capped, labeled, and placed in a cooler with blue ice for preservation. A chain-of-custody form is initiated in the field and accompanies the selected soil samples to the analytical laboratory.

Field Screening of Soil Samples

A PID is used to perform head-space analysis in the field for the presence of organic vapors from soil samples. This test procedure involves placing a small amount of the soil to be screened in a sealable plastic bag. The bag is warmed in the sun to allow organic compounds in the soil sample to volatilize. The PID probe is inserted through the wall of the bag and into the headspace inside, and the meter reading is recorded in the field notes. An alternative method involves placing a plastic cap over the end of the sample tube. The PID probe is placed through a hole in the plastic cap, and vapors with the covered tube measured. Head-space screening is performed and results recorded as reconnaissance data only. GR does not consider field screening techniques to be verification of the presence or absence of hydrocarbons.



Gettler Ryan/Geostrategies 6747 Sierra Court Suite J Dublin, CA 94568	Client Proj. ID: Chevron 9-4587, Oakland Sample Descript: S1-3.5 Matrix: LIQUID Analysis Method: EPA 8010 Lab Number: 9803017-01	Sampled: 02/27/98 Received: 03/02/98 Extracted: 03/04/98 Analyzed: 03/05/98 Reported: 03/09/98
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QC Batch Number: GC0304988010EXA
Instrument ID: GCHP09

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	25	N.D.
Bromoform	25	N.D.
Bromomethane	50	N.D.
Carbon Tetrachloride	25	N.D.
Chlorobenzene	25	N.D.
Chloroethane	50	N.D.
2-Chloroethylvinyl ether	50	N.D.
Chloroform	25	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	25	N.D.
1,2-Dichlorobenzene	25	N.D.
1,3-Dichlorobenzene	25	N.D.
1,4-Dichlorobenzene	25	N.D.
1,1-Dichloroethane	25	N.D.
1,2-Dichloroethane	25	N.D.
1,1-Dichloroethene	25	N.D.
cis-1,2-Dichloroethene	25	N.D.
trans-1,2-Dichloroethene	25	N.D.
1,2-Dichloropropane	25	N.D.
cis-1,3-Dichloropropene	25	N.D.
trans-1,3-Dichloropropene	25	N.D.
Methylene chloride	250	N.D.
1,1,2,2-Tetrachloroethane	25	N.D.
Tetrachloroethene	25	N.D.
1,1,1-Trichloroethane	25	N.D.
1,1,2-Trichloroethane	25	N.D.
Trichloroethene	25	N.D.
Trichlorofluoromethane	25	N.D.
Vinyl chloride	50	N.D.
Surrogates	Control Limits %	% Recovery
1-Chloro-2-fluorobenzene	60 130	98
4-Bromofluorobenzene	60 140	72

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

SEQUOIA ANALYTICAL - ELAP #1210


Mike Gregory
Project Manager





Gettler Ryan/Geostrategies 6747 Sierra Court Suite J Dublin, CA 94568	Client Proj. ID: Chevron 9-4587, Oakland Sample Descript: S1-3.5 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9803017-01	Sampled: 02/27/98 Received: 03/02/98 Extracted: 03/04/98 Analyzed: 03/05/98 Reported: 03/09/98
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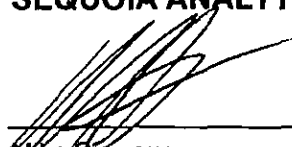
QC Batch Number: GC030498BTEXEXA
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Methyl t-Butyl Ether	0.025	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70	130
4-Bromofluorobenzene	60	140

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

SEQUOIA ANALYTICAL - ELAP #1210



Mike Gregory
Project Manager





Gettler Ryan/Geostrategies 6747 Sierra Court Suite J Dublin, CA 94568	Client Proj. ID: Chevron 9-4587, Oakland Sample Descript: S2-3.5 Matrix: LIQUID Analysis Method: EPA 8010 Lab Number: 9803017-02	Sampled: 02/27/98 Received: 03/02/98 Extracted: 03/04/98 Analyzed: 03/05/98 Reported: 03/09/98
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QC Batch Number: GC0304988010EXA
Instrument ID: GCHP09

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	25	N.D.
Bromoform	25	N.D.
Bromomethane	50	N.D.
Carbon Tetrachloride	25	N.D.
Chlorobenzene	25	N.D.
Chloroethane	50	N.D.
2-Chloroethylvinyl ether	50	N.D.
Chloroform	25	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	25	N.D.
1,2-Dichlorobenzene	25	N.D.
1,3-Dichlorobenzene	25	N.D.
1,4-Dichlorobenzene	25	N.D.
1,1-Dichloroethane	25	N.D.
1,2-Dichloroethane	25	N.D.
1,1-Dichloroethene	25	N.D.
cis-1,2-Dichloroethene	25	N.D.
trans-1,2-Dichloroethene	25	N.D.
1,2-Dichloropropane	25	N.D.
cis-1,3-Dichloropropene	25	N.D.
trans-1,3-Dichloropropene	25	N.D.
Methylene chloride	250	N.D.
1,1,2,2-Tetrachloroethane	25	N.D.
Tetrachloroethene	25	N.D.
1,1,1-Trichloroethane	25	N.D.
1,1,2-Trichloroethane	25	N.D.
Trichloroethene	25	N.D.
Trichlorofluoromethane	25	N.D.
Vinyl chloride	50	N.D.
Surrogates	Control Limits %	% Recovery
1-Chloro-2-fluorobenzene	60	130
4-Bromofluorobenzene	60	140
		89
		76

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

SEQUOIA ANALYTICAL - ELAP #1210


Mike Gregory
Project Manager





Gettler Ryan/Geostrategies 6747 Sierra Court Suite J Dublin, CA 94568	Client Proj. ID: Chevron 9-4587, Oakland Sample Descript: S2-3.5 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9803017-02	Sampled: 02/27/98 Received: 03/02/98 Extracted: 03/04/98 Analyzed: 03/05/98 Reported: 03/09/98
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QC Batch Number: GC030498BTEXEXA
Instrument ID: GCHP18

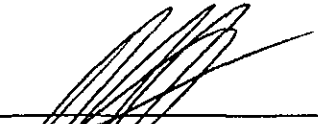
Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Methyl t-Butyl Ether	0.025	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	93
4-Bromofluorobenzene	60	140	84

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

SEQUOIA ANALYTICAL - ELAP #1210



Mike Gregory
Project Manager





Gettler Ryan/Geostrategies 6747 Sierra Court Suite J Dublin, CA 94568	Client Proj. ID: Chevron 9-4587, Oakland Sample Descript: S3-3.5 Matrix: LIQUID Analysis Method: EPA 8010 Lab Number: 9803017-03	Sampled: 02/27/98 Received: 03/02/98 Extracted: 03/04/98 Analyzed: 03/05/98 Reported: 03/09/98
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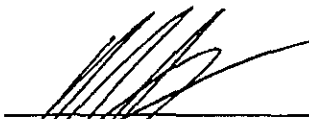
QC Batch Number: GC0304988010EXA
Instrument ID: GCHP09

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	25	N.D.
Bromoform	25	N.D.
Bromomethane	50	N.D.
Carbon Tetrachloride	25	N.D.
Chlorobenzene	25	N.D.
Chloroethane	50	N.D.
2-Chloroethylvinyl ether	50	N.D.
Chloroform	25	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	25	N.D.
1,2-Dichlorobenzene	25	N.D.
1,3-Dichlorobenzene	25	N.D.
1,4-Dichlorobenzene	25	N.D.
1,1-Dichloroethane	25	N.D.
1,2-Dichloroethane	25	N.D.
1,1-Dichloroethene	25	N.D.
cis-1,2-Dichloroethene	25	N.D.
trans-1,2-Dichloroethene	25	N.D.
1,2-Dichloropropane	25	N.D.
cis-1,3-Dichloropropene	25	N.D.
trans-1,3-Dichloropropene	25	N.D.
Methylene chloride	250	N.D.
1,1,2,2-Tetrachloroethane	25	N.D.
Tetrachloroethene	25	N.D.
1,1,1-Trichloroethane	25	N.D.
1,1,2-Trichloroethane	25	N.D.
Trichloroethene	25	N.D.
Trichlorofluoromethane	25	N.D.
Vinyl chloride	50	N.D.
Surrogates	Control Limits %	% Recovery
1-Chloro-2-fluorobenzene	60	130
4-Bromofluorobenzene	60	140

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

SEQUOIA ANALYTICAL - ELAP #1210



Mike Gregory
Project Manager





Gettler Ryan/Geostrategies 6747 Sierra Court Suite J Dublin, CA 94568 Attention: Barbara Sieminski	Client Proj. ID: Chevron 9-4587, Oakland Sample Descript: S3-3.5 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9803017-03	Sampled: 02/27/98 Received: 03/02/98 Extracted: 03/04/98 Analyzed: 03/05/98 Reported: 03/09/98
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QC Batch Number: GC030498BTEXEXA
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Methyl t-Butyl Ether	0.025	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	103
4-Bromofluorobenzene	60	140	86

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

SEQUOIA ANALYTICAL - ELAP #1210


Mike Gregory
Project Manager





Gettler Ryan/Geostrategies 6747 Sierra Court Suite J Dublin, CA 94568	Client Proj. ID: Chevron 9-4587, Oakland Sample Descript: S4-5.0 Matrix: LIQUID Analysis Method: EPA 8010 Lab Number: 9803017-04	Sampled: 02/27/98 Received: 03/02/98 Extracted: 03/04/98 Analyzed: 03/05/98 Reported: 03/09/98
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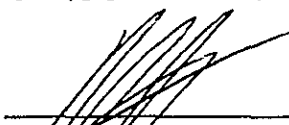
QC Batch Number: GC0304988010EXA
Instrument ID: GCHP09

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	25	N.D.
Bromoform	25	N.D.
Bromomethane	50	N.D.
Carbon Tetrachloride	25	N.D.
Chlorobenzene	25	N.D.
Chloroethane	50	N.D.
2-Chloroethylvinyl ether	50	N.D.
Chloroform	25	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	25	N.D.
1,2-Dichlorobenzene	25	N.D.
1,3-Dichlorobenzene	25	N.D.
1,4-Dichlorobenzene	25	N.D.
1,1-Dichloroethane	25	N.D.
1,2-Dichloroethane	25	N.D.
1,1-Dichloroethene	25	N.D.
cis-1,2-Dichloroethene	25	N.D.
trans-1,2-Dichloroethene	25	N.D.
1,2-Dichloropropane	25	N.D.
cis-1,3-Dichloropropene	25	N.D.
trans-1,3-Dichloropropene	25	N.D.
Methylene chloride	250	N.D.
1,1,2,2-Tetrachloroethane	25	N.D.
Tetrachloroethene	25	N.D.
1,1,1-Trichloroethane	25	N.D.
1,1,2-Trichloroethane	25	N.D.
Trichloroethene	25	N.D.
Trichlorofluoromethane	25	N.D.
Vinyl chloride	50	N.D.
Surrogates	Control Limits %	% Recovery
1-Chloro-2-fluorobenzene	60	130
4-Bromofluorobenzene	60	140
		89
		74

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

SEQUOIA ANALYTICAL - ELAP #1210



Mike Gregory
Project Manager





Gettler Ryan/Geostrategies 6747 Sierra Court Suite J Dublin, CA 94568 Attention: Barbara Slemnski	Client Proj. ID: Chevron 9-4587, Oakland Sample Descript: S4-5.0 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9803017-04	Sampled: 02/27/98 Received: 03/02/98 Extracted: 03/04/98 Analyzed: 03/06/98 Reported: 03/09/98
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QC Batch Number: GC030498BTEXEXA
Instrument ID: GCHP7

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Methyl t-Butyl Ether	0.025	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	85
4-Bromofluorobenzene	60 140	84

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

SEQUOIA ANALYTICAL - ELAP #1210


Mike Gregory
Project Manager





Gettler Ryan/Geostrategies 6747 Sierra Court Suite J Dublin, CA 94568	Client Proj. ID: Chevron 9-4587, Oakland Sample Descript: S5-7.0 Matrix: LIQUID Analysis Method: EPA 8010 Lab Number: 9803017-05	Sampled: 02/27/98 Received: 03/02/98 Extracted: 03/04/98 Analyzed: 03/05/98 Reported: 03/09/98
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QC Batch Number: GC0304988010EXA
Instrument ID: GCHP09

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	25	N.D.
Bromoform	25	N.D.
Bromomethane	50	N.D.
Carbon Tetrachloride	25	N.D.
Chlorobenzene	25	N.D.
Chloroethane	50	N.D.
2-Chloroethylvinyl ether	50	N.D.
Chloroform	25	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	25	N.D.
1,2-Dichlorobenzene	25	N.D.
1,3-Dichlorobenzene	25	N.D.
1,4-Dichlorobenzene	25	N.D.
1,1-Dichloroethane	25	N.D.
1,2-Dichloroethane	25	N.D.
1,1-Dichloroethene	25	N.D.
cis-1,2-Dichloroethene	25	N.D.
trans-1,2-Dichloroethene	25	N.D.
1,2-Dichloropropane	25	N.D.
cis-1,3-Dichloropropene	25	N.D.
trans-1,3-Dichloropropene	25	N.D.
Methylene chloride	250	N.D.
1,1,2,2-Tetrachloroethane	25	N.D.
Tetrachloroethene	25	N.D.
1,1,1-Trichloroethane	25	N.D.
1,1,2-Trichloroethane	25	N.D.
Trichloroethene	25	N.D.
Trichlorofluoromethane	25	N.D.
Vinyl chloride	50	N.D.
Surrogates	Control Limits %	% Recovery
1-Chloro-2-fluorobenzene	60	130
4-Bromofluorobenzene	60	140
		84
		70

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

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager





Gettler Ryan/Geostrategies 6747 Sierra Court Suite J Dublin, CA 94568	Client Proj. ID: Chevron 9-4587, Oakland Sample Descript: S5-7.0 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9803017-05	Sampled: 02/27/98 Received: 03/02/98 Extracted: 03/04/98 Analyzed: 03/05/98 Reported: 03/09/98
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QC Batch Number: GC030498BTEXEXA
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Methyl t-Butyl Ether	0.025	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	108
4-Bromofluorobenzene	60 140	84

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

SEQUOIA ANALYTICAL - ELAP #1210


Mike Gregory
Project Manager





Gettler Ryan/Geostrategies 6747 Sierra Court Suite J Dublin, CA 94568	Client Proj. ID: Chevron 9-4587, Oakland Sample Descript: S6-7.0 Matrix: LIQUID Analysis Method: EPA 8010 Lab Number: 9803017-06	Sampled: 02/27/98 Received: 03/02/98 Extracted: 03/04/98 Analyzed: 03/05/98 Reported: 03/09/98
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QC Batch Number: GC0304988010EXA
Instrument ID: GCHP09

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	25	N.D.
Bromoform	25	N.D.
Bromomethane	50	N.D.
Carbon Tetrachloride	25	N.D.
Chlorobenzene	25	N.D.
Chloroethane	50	N.D.
2-Chloroethylvinyl ether	50	N.D.
Chloroform	25	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	25	N.D.
1,2-Dichlorobenzene	25	N.D.
1,3-Dichlorobenzene	25	N.D.
1,4-Dichlorobenzene	25	N.D.
1,1-Dichloroethane	25	N.D.
1,2-Dichloroethane	25	N.D.
1,1-Dichloroethene	25	N.D.
cis-1,2-Dichloroethene	25	N.D.
trans-1,2-Dichloroethene	25	N.D.
1,2-Dichloropropane	25	N.D.
cis-1,3-Dichloropropene	25	N.D.
trans-1,3-Dichloropropene	25	N.D.
Methylene chloride	250	N.D.
1,1,2,2-Tetrachloroethane	25	N.D.
Tetrachloroethene	25	N.D.
1,1,1-Trichloroethane	25	N.D.
1,1,2-Trichloroethane	25	N.D.
Trichloroethene	25	N.D.
Trichlorofluoromethane	25	N.D.
Vinyl chloride	50	N.D.
Surrogates	Control Limits %	% Recovery
1-Chloro-2-fluorobenzene	60 130	95
4-Bromofluorobenzene	60 140	79

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

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager





Gettler Ryan/Geostrategies 6747 Sierra Court Suite J Dublin, CA 94568	Client Proj. ID: Chevron 9-4587, Oakland Sample Descript: S6-7.0 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9803017-06	Sampled: 02/27/98 Received: 03/02/98 Extracted: 03/04/98 Analyzed: 03/06/98 Reported: 03/09/98
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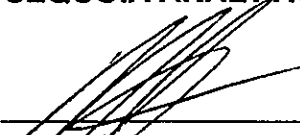
QC Batch Number: GC030498BTEXEXA
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Methyl t-Butyl Ether	0.025	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	118
4-Bromofluorobenzene	60 140	87

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

SEQUOIA ANALYTICAL - ELAP #1210



 Mike Gregory
 Project Manager





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

Client Proj. ID: Chevron 9-4587, Oakland
Sample Descript: S7-7.0
Matrix: LIQUID
Analysis Method: EPA 8010
Lab Number: 9803017-07

Sampled: 02/27/98
Received: 03/02/98
Extracted: 03/04/98
Analyzed: 03/05/98
Reported: 03/09/98

QC Batch Number: GC0304988010EXA
Instrument ID: GCHP09

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	25	N.D.
Bromoform	25	N.D.
Bromomethane	50	N.D.
Carbon Tetrachloride	25	N.D.
Chlorobenzene	25	N.D.
Chloroethane	50	N.D.
2-Chloroethylvinyl ether	50	N.D.
Chloroform	25	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	25	N.D.
1,2-Dichlorobenzene	25	N.D.
1,3-Dichlorobenzene	25	N.D.
1,4-Dichlorobenzene	25	N.D.
1,1-Dichloroethane	25	N.D.
1,2-Dichloroethane	25	N.D.
1,1-Dichloroethene	25	N.D.
cis-1,2-Dichloroethene	25	N.D.
trans-1,2-Dichloroethene	25	N.D.
1,2-Dichloropropane	25	N.D.
cis-1,3-Dichloropropene	25	N.D.
trans-1,3-Dichloropropene	25	N.D.
Methylene chloride	250	N.D.
1,1,2,2-Tetrachloroethane	25	N.D.
Tetrachloroethene	25	N.D.
1,1,1-Trichloroethane	25	N.D.
1,1,2-Trichloroethane	25	N.D.
Trichloroethene	25	N.D.
Trichlorofluoromethane	25	N.D.
Vinyl chloride	50	N.D.
Surrogates	Control Limits %	% Recovery
1-Chloro-2-fluorobenzene	60 130	91
4-Bromofluorobenzene	60 140	81

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

SEQUOIA ANALYTICAL - ELAP #1210


Mike Gregory
Project Manager





Gettler Ryan/Geostrategies 6747 Sierra Court Suite J Dublin, CA 94568 Attention: Barbara Sieminski	Client Proj. ID: Chevron 9-4587, Oakland Sample Descript: S7-7.0 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9803017-07	Sampled: 02/27/98 Received: 03/02/98 Extracted: 03/04/98 Analyzed: 03/09/98 Reported: 03/09/98
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QC Batch Number: GC030498BTEXEXA
Instrument ID: GCHP7

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Methyl t-Butyl Ether	0.025	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	91
4-Bromofluorobenzene	60 140	80

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 J

Dublin, CA 94568

Attention: Barbara Sieminski

Client Proj. ID: Chevron 9-4587, Oakland

Lab Proj. ID: 9803017

Received: 03/02/98

Reported: 03/09/98

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 18 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

SEQUOIA ANALYTICAL

Mike Gregory
Project Manager





Gettler Ryan/Geostrategies Client Project ID: Chevron 9-4587, Oakland
6747 Sierra Court, Ste J Matrix: Solid
Dublin, CA 94568
Attention: Barbara Sieminski Work Order #: 9803017 -01-07 Reported: Mar 17, 1998

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Gas
QC Batch#:	GC030498BTEXEXA	GC030498BTEXEXA	GC030498BTEXEXA	GC030498BTEXEXA	GC030498BTEXEXA
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015M
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	J. Minkel	J. Minkel	J. Minkel	J. Minkel	J. Minkel
MS/MSD #:	980301704	980301704	980301704	980301704	980301704
Sample Conc.:	N.D.	0.010	0.010	0.056	0.090
Prepared Date:	3/4/98	3/4/98	3/4/98	3/4/98	3/4/98
Analyzed Date:	3/4/98	3/4/98	3/4/98	3/4/98	3/4/98
Instrument I.D.#:	GCHP22	GCHP22	GCHP22	GCHP22	GCHP22
Conc. Spiked:	0.20 mg/Kg	0.20 mg/Kg	0.20 mg/Kg	0.60 mg/Kg	1.2 mg/Kg
Result:	0.17	0.17	0.17	0.51	1.0
MS % Recovery:	85	80	80	76	76
Dup. Result:	0.16	0.16	0.16	0.49	0.90
MSD % Recov.:	80	75	75	72	68
RPD:	6.1	6.1	6.1	4.0	11
RPD Limit:	0-25	0-25	0-25	0-25	0-25

LCS #:	BLK030498	BLK030498	BLK030498	BLK030498	BLK030498
Prepared Date:	3/4/98	3/4/98	3/4/98	3/4/98	3/4/98
Analyzed Date:	3/4/98	3/4/98	3/4/98	3/4/98	3/4/98
Instrument I.D.#:	GCHP22	GCHP22	GCHP22	GCHP22	GCHP22
Conc. Spiked:	0.20 mg/Kg	0.20 mg/Kg	0.20 mg/Kg	0.60 mg/Kg	1.2 mg/Kg
LCS Result:	0.18	0.17	0.17	0.51	1.0
LCS % Recov.:	90	85	85	85	83

MS/MSD	60-140	60-140	60-140	60-140	60-140
LCS	70-130	70-130	70-130	70-130	70-130
Control Limits					

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.

SEQUOIA ANALYTICAL

Mike Gregory
Project Manager

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

9803017.GET <1>



Chevron U.S.A. Inc. P.O. BOX 5004 San Ramon, CA 94583 FAX (415)842-9591	Chevron Facility Number <u>9-4587</u> Facility Address <u>609 Oak Street, Oakland</u>	Chevron Contact (Name) <u>Phil Briggs</u> (Phone) <u>(510) 842-9136</u>
	Consultant Project Number _____ Consultant Name <u>Gettler-Ryan, Inc.</u> Address <u>6747 Sierra Ct, Ste J, Dublin, CA 94568</u>	Laboratory Name <u>Sequoia</u> Laboratory Release Number _____
	Project Contact (Name) <u>Barbara Sieminski</u> (Phone) <u>(510) 551-7555 (Fax Number) (510) 551-7888</u>	Samples Collected by (Name) <u>Barbara Sieminski</u> Collection Date <u>02/27/98</u> Signature <u>B. Sieminski</u>

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Leak (Yes or No)	Analysis To Be Performed											Remarks			
								BTEX + TPH GAS (8020 + 8015) / MIDE	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)							
51-3.5	1	1	S	G	13:00		Yes	X				X										
52-3.5	2	1			13:20			X				X										
53-3.5	3	1			13:22			X				X										
54-5.0	1	1			13:30			X				X										
55-7.0	5	1			13:45			X				X										
56-7.0	6	1			14:00			X				X										
57-7.0	7	1	↓	↓	14:20		↓	X				X										

9803017

MAR 2 10 50

Relinquished By (Signature) <u>Barbara Sieminski</u>	Organization <u>G-2</u>	Date/Time <u>9:30 03/02/98</u>	Received By (Signature) <u>Phil Briggs</u>	Organization <u>Sequoia</u>	Date/Time <u>9:37 3-2-98</u>	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. <input checked="" type="radio"/> 5 Days 10 Days As Contracted
Relinquished By (Signature) <u>Phil Briggs</u>	Organization <u>Sequoia</u>	Date/Time _____	Received By (Signature) _____	Organization _____	Date/Time _____	
Relinquished By (Signature) _____	Organization _____	Date/Time _____	Received For Laboratory By (Signature) <u>Tara P.</u>	Organization _____	Date/Time <u>3/2/98 1050</u>	

4/16/03 01/ACH