

ENVIRONMENTAL
PROTECTION



Chevron

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Chevron Products Company
6001 Bollinger Canyon Rd. Bldg. L
P. O. Box 6004
San Ramon, CA 94583-0904

Site Assessment & Remediation
Phone (510) 842-9500
Fax (510) 842-8370

June 8, 2000

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

Re: Former Chevron Service Station # 9-8139
16304 Foothill Blvd.
San Leandro, California

Dear Mr. Seery:

Please find attached the report of stockpile sampling conducted by Gettler-Ryan, Inc. during service station construction activities at the referenced site.

Please feel free to contact me at (925) 842-8898 if you have any questions or comments regarding this report.

Sincerely,

Thomas K. Bauhs
Project Manager

Attachment

cc: Mr. Chuck Headlee, RWQCB-San Francisco Bay Region
1550 Clay Street, Suite 1400, Oakland, CA 94612
Mr. Harv Dhaliwal, P.E., G&S Associates, Inc.
4430 Deerfield Way, Danville, CA 94506
File (98139r01.doc)



GETTLER-RYAN INC.

November 8, 1999

Mr. Brett Hunter
Chevron Products Company
P.O. Box 6004
San Ramon, California 94583

Subject: Stockpile Sampling During Construction of New Service Station Facility at Former Chevron Service Station #9-8139, 16304 Foothill Boulevard, San Leandro, California.

Mr. Hunter:

At the request of Chevron Products Company (Chevron), Gettler-Ryan Inc. (GR) conducted a stockpile sampling during construction of a new service station facility at the above referenced site. Construction work was conducted by Wendt Construction (WC). The GR scope of work included: collecting and analyzing soil samples for disposal characterization from the soil stockpiles generated during excavation of the new underground storage tank (UST) pit and utility trenches, and during site grading; evaluating soil disposal options; and preparing a report documenting the work. Sampling was performed in accordance with the GR Field Methods and Procedures (attached), and the GR Site Safety Plan. Soil samples collected during this investigation were delivered under chain-of-custody to Sequoia Analytical in Walnut Creek (ELAP #1271). Analytical methods and results are summarized in Table 1. Copies of the laboratory analytical reports and chain-of-custody records are attached.

On June 7, 1999, GR personnel sampled soil generated during excavation of the new UST pit. Nine 4-point composite soil samples (Comp-A through Comp-I) were collected from arbitrary locations on the soil stockpile. The stockpile samples were submitted to the laboratory for compositing and analyses of total petroleum hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene and xylenes (BTEX) and methyl tertiary butyl ether (MTBE) by Environmental Protection Agency (EPA) Methods 8020/8015, and total lead by EPA Method 6010. In addition, samples Comp-B and Comp-C were analyzed for volatile organic compounds (VOCs) by EPA Method 8010. The soil generated during excavation of the new UST pit was removed from the site on July 14 and 15, 1999, by Allwaste Transportation and Remediation Inc. (Allwaste). Approximately 900 cubic yards of soil were hauled to the Redwood Landfill in Novato, California.

On September 8, 1999, GR personnel sampled soil generated during excavation of utility trenches and site grading activities. Two 4-point composite soil samples (Comp-J and Comp-K) were collected from arbitrary locations on the soil stockpile. The stockpile samples were submitted to the laboratory for compositing and analyses of TPHg, BTEX, MTBE, and total lead. In addition, soil sample Comp-J was

346461.04-1

analyzed for VOCs and soluble lead. The soil generated during excavation of utility trenches and site grading was removed from the site on September 15 and 16, 1999, by Allwaste. Approximately 130 cubic yards of soil were hauled to the Redwood Landfill in Novato, California.

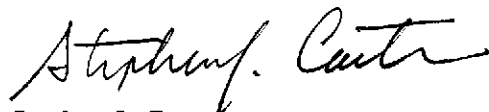
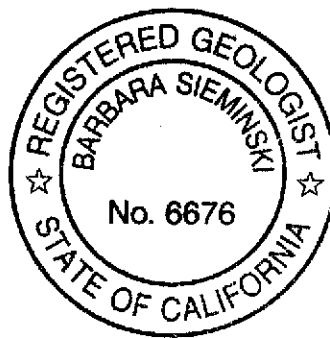
On September 21, 1999, GR observed replacement of the wellhead covers on wells EW-2 and EW-3. WC removed the existing concrete vaults, extended the casings to ground surface, backfilled around the well casings with clean fill material, and placed well boxes over the wellheads. The new well casing elevations were not surveyed.

If you should have any questions please call us in Rancho Cordova at (916) 631-1300.

Sincerely,
Gettler-Ryan Inc.



Barbara Sieminski
Project Geologist
R.G. 6676



Stephen J. Carter
Senior Geologist
R.G. 5577

Attachments: Table 1. Soil Chemical Analytical Results
GR Field Methods and Procedures
Laboratory Analytical Reports and Chain-of-Custody Records

Table 1. Soil Chemical Analytical Data

Chevron Station #9-8139
 16304 Foothill Blvd.
 San Leandro, California

Sample ID	Sample Date	TPHg (ppm)	Benzene (ppm)	Toluene (ppm)	Ethylbenzene (ppm)	Xylenes (ppm)	MTBE (ppm)	Lead (ppm)
Stockpile Soil Samples								
Comp -A ¹	7/7/99	4.2	0.0062	0.014	0.01	0.082	0.072	<2.5
Comp -B ^{1,2}	7/7/99	9	0.027	0.048	0.015	0.11	<0.1	<2.5
Comp -C ^{1,2}	7/7/99	10	0.015	0.041	0.02	0.25	0.27	<2.5
Comp -D ¹	7/7/99	3.8	<0.005	0.016	0.0064	0.076	<0.05	<2.5
Comp -E ^{1,2}	7/7/99	9.3	0.03	0.21	0.076	0.43	0.18	<2.5
Comp -F ¹	7/7/99	1.8	<0.005	0.0076	0.0092	0.053	<0.05	<2.5
Comp -G ^{1,2}	7/7/99	62	0.098	0.16	0.36	2.8	<0.5	<2.5
Comp -H ¹	7/7/99	8.9	<0.005	0.021	0.062	0.71	0.086	<2.5
Comp -I ¹	7/7/99	6.2	0.009	0.019	0.015	0.1	0.078	<2.5
Comp -J ^{2,3}	9/8/99	<1.0	<0.005	<0.005	<0.005	<0.005	NA	55
Comp -K	9/8/99	<1.0	<0.005	<0.005	<0.005	<0.005	NA	44.5

Explanation:

TPHg = Total Petroleum Hydrocarbons as gasoline
 MTBE = Methyl tert-butyl ether
 ppm = parts per million
 NA = not analyzed

Analytical Methods:

TPHg, benzene, toluene, ethylbenzene, xylenes, MTBE: DHS LUFT Methods
 Lead: EPA Method 6010
 Volatile Organic Compounds: EPA Method 8010

Analytical Laboratory

Sequoia Analytical/Walnut Creek (ELAP #1271)

Notes:

¹ Laboratory chromatogram pattern indicates gasoline.

² Also analyzed for Volatile Organic Compounds by EPA Method 8010B; none detected.

³ For possible disposal purposes, sample was also analyzed for soluble lead by the Soluble Threshold Limit Concentration method using acetic acid (<0.20 ppm) and de-ionized water (<0.20 ppm) extractants.

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.

Storing and Sampling of Soil Stockpiles

Excavated material is stockpiled on and covered with plastic sheeting. Stockpile samples are collected and analyzed for disposal classification on the basis of one composite sample per 100 cubic yards of soil. Stockpile samples are composed of four discrete soil samples, each collected from an arbitrary location on the stockpile. The four discrete samples are then composited in the laboratory prior to analysis.

Each discrete stockpile sample is collected by removing the upper 12 to 18 inches of soil, and then driving the stainless steel or brass sample tube into the stockpiled material with a mallet or drive sampler. The sample tubes are then 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. Stockpiled soils are covered with plastic sheeting after completion of sampling.

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 - Dublin 6747 Sierra Court, Suite J Dublin, CA 94568 Attention: Greg Gurs	Client Project ID: Chevron #9-8139, San Leandro Sample Matrix: Soil Analysis Method: EPA 5030/8015 Mod./8020 First Sample #: 907-0302	Sampled: Jul 7, 1999 Received: Jul 7, 1999 Reported: Jul 9, 1999
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TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX / MTBE

Analyte	Reporting Limit mg/Kg	Sample I.D. 907-0302 Comp-A	Sample I.D. 907-0303 Comp-B	Sample I.D. 907-0304 Comp-C	Sample I.D. 907-0305 Comp-D	Sample I.D. 907-0306 Comp-E	Sample I.D. 907-0307 Comp-F
Purgeable Hydrocarbons	1.0	4.2	9.0	10	3.8	9.3	1.8
Benzene	0.0050	0.0062	0.027	0.015	N.D.	0.030	N.D.
Toluene	0.0050	0.014	0.048	0.041	0.016	0.21	0.0076
Ethyl Benzene	0.0050	0.010	0.015	0.020	0.0064	0.076	0.0092
Total Xylenes	0.0050	0.082	0.11	0.25	0.076	0.43	0.053
MTBE	0.050	0.072	N.D.	0.27	N.D.	0.18	N.D.
Chromatogram Pattern:		Gasoline	Gasoline	Gasoline	Gasoline	Gasoline	Gasoline

Quality Control Data

Report Limit Multiplication Factor:	1.0	2.0	1.0	1.0	2.0	1.0
Date Analyzed:	7/8/99	7/8/99	7/8/99	7/8/99	7/8/99	7/8/99
Instrument Identification:	HP-4	HP-4	HP-4	HP-4	HP-4	HP-4
Surrogate Recovery, %: (QC Limits = 40-140%)	70	73	70	71	74	76

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Julianne Fegley
Project Manager





Gettler-Ryan - Dublin 6747 Sierra Court, Suite J Dublin, CA 94568 Attention: Greg Gurs	Client Project ID: Chevron #9-8139, San Leandro Sample Matrix: Soil Analysis Method: EPA 5030/8015 Mod./8020 First Sample #: 907-0308	Sampled: Jul 7, 1999 Received: Jul 7, 1999 Reported: Jul 9, 1999
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TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX / MTBE

Analyte	Reporting Limit mg/Kg	Sample I.D. 907-0308 Comp-G	Sample I.D. 907-0309 Comp-H	Sample I.D. 907-0310 Comp-I
Purgeable Hydrocarbons	1.0	62	8.9	6.2
Benzene	0.0050	0.098	N.D.	0.0090
Toluene	0.0050	0.16	0.021	0.019
Ethyl Benzene	0.0050	0.360	0.062	0.015
Total Xylenes	0.0050	2.8	0.71	0.10
MTBE	0.050	N.D.	0.086	0.078
Chromatogram Pattern:		Gasoline	Gasoline	Gasoline

Quality Control Data

Report Limit Multiplication Factor:	10	1.0	1.0
Date Analyzed:	7/8/99	7/8/99	7/8/99
Instrument Identification:	HP-4	HP-4	HP-4
Surrogate Recovery, %: (QC Limits = 40-140%)	135	69	71

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Julianne Fegley
Project Manager





Gettler-Ryan - Dublin	Client Project ID: Chevron #9-8139, San Leandro	Sampled: Jul 7, 1999
6747 Sierra Court, Suite J	Sample Descript: Soil	Received: Jul 7, 1999
Dublin, CA 94568	Analysis for: Lead	Digested: Jul 8, 1999
Attention: Greg Gurrss	First Sample #: 907-0302	Analyzed: Jul 9, 1999
		Reported: Jul 9, 1999

LABORATORY ANALYSIS FOR: Lead

Sample Number	Sample Description	Detection Limit mg/kg	Sample Result mg/kg
907-0302	Comp-A	2.5	N.D.
907-0303	Comp-B	2.5	N.D.
907-0304	Comp-C	2.5	N.D.
907-0305	Comp-D	2.5	N.D.
907-0306	Comp-E	2.5	N.D.
907-0307	Comp-F	2.5	N.D.
907-0308	Comp-G	2.5	N.D.
907-0309	Comp-H	2.5	N.D.
907-0310	Comp-I	2.5	N.D.

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

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Julianne Fegley
Project Manager





Gettler-Ryan - Dublin 6747 Sierra Court, Suite J Dublin, CA 94568 Attention: Greg Guss	Client Project ID: Chevron #9-8139, San Leandro Sample Descript: Soil, Comp-B Analysis Method: EPA 5030/8010 Lab Number: 907-0303	Sampled: Jul 7, 1999 Received: Jul 7, 1999 Analyzed: Jul 9, 1999 Reported: Jul 9, 1999
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HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit mg/kg	Sample Results mg/kg	
Bromodichloromethane.....	0.025	N.D.	
Bromoform.....	0.025	N.D.	
Bromomethane.....	0.050	N.D.	
Carbon tetrachloride.....	0.025	N.D.	
Chlorobenzene.....	0.025	N.D.	
Chloroethane.....	0.050	N.D.	
Chloroform.....	0.025	N.D.	
Chloromethane.....	0.050	N.D.	
Dibromochloromethane.....	0.025	N.D.	
1,2-Dichlorobenzene.....	0.025	N.D.	
1,3-Dichlorobenzene.....	0.025	N.D.	
1,4-Dichlorobenzene.....	0.025	N.D.	
1,1-Dichloroethane.....	0.025	N.D.	
1,2-Dichloroethane.....	0.025	N.D.	
1,1-Dichloroethene.....	0.025	N.D.	
cis-1,2-Dichloroethene.....	0.025	N.D.	
trans-1,2-Dichloroethene.....	0.025	N.D.	
1,2-Dichloropropane.....	0.025	N.D.	
cis-1,3-Dichloropropene.....	0.025	N.D.	
trans-1,3-Dichloropropene.....	0.025	N.D.	
Methylene chloride.....	0.25	N.D.	
1,1,2,2-Tetrachloroethane.....	0.025	N.D.	
Tetrachloroethene.....	0.025	N.D.	
1,1,1-Trichloroethane.....	0.025	N.D.	
1,1,2-Trichloroethane.....	0.025	N.D.	
Trichloroethene.....	0.025	N.D.	
Trichlorofluoromethane.....	0.025	N.D.	
Vinyl chloride.....	0.050	N.D.	
Surrogates	Control Limit %	% Recovery	
1-Chloro-2-fluorobenzene.....	50	150	68
4-Bromofluorobenzene.....	50	150	55

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

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Julianne Fegley
Project Manager





Gettler-Ryan - Dublin 6747 Sierra Court, Suite J Dublin, CA 94568 Attention: Greg Gurs	Client Project ID: Chevron #9-8139, San Leandro Sample Descript: Soil, Comp-E Analysis Method: EPA 5030/8010 Lab Number: 907-0306	Sampled: Jul 7, 1999 Received: Jul 7, 1999 Analyzed: Jul 9, 1999 Reported: Jul 9, 1999
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HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Bromodichloromethane.....	0.025	N.D.
Bromoform.....	0.025	N.D.
Bromomethane.....	0.050	N.D.
Carbon tetrachloride.....	0.025	N.D.
Chlorobenzene.....	0.025	N.D.
Chloroethane.....	0.050	N.D.
Chloroform.....	0.025	N.D.
Chloromethane.....	0.050	N.D.
Dibromochloromethane.....	0.025	N.D.
1,2-Dichlorobenzene.....	0.025	N.D.
1,3-Dichlorobenzene.....	0.025	N.D.
1,4-Dichlorobenzene.....	0.025	N.D.
1,1-Dichloroethane.....	0.025	N.D.
1,2-Dichloroethane.....	0.025	N.D.
1,1-Dichloroethene.....	0.025	N.D.
cis-1,2-Dichloroethene.....	0.025	N.D.
trans-1,2-Dichloroethene.....	0.025	N.D.
1,2-Dichloropropane.....	0.025	N.D.
cis-1,3-Dichloropropene.....	0.025	N.D.
trans-1,3-Dichloropropene.....	0.025	N.D.
Methylene chloride.....	0.25	N.D.
1,1,2,2-Tetrachloroethane.....	0.025	N.D.
Tetrachloroethene.....	0.025	N.D.
1,1,1-Trichloroethane.....	0.025	N.D.
1,1,2-Trichloroethane.....	0.025	N.D.
Trichloroethene.....	0.025	N.D.
Trichlorofluoromethane.....	0.025	N.D.
Vinyl chloride.....	0.050	N.D.
Surrogates	Control Limit %	% Recovery
1-Chloro-2-fluorobenzene.....	50	150
4-Bromofluorobenzene.....	50	150

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

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Project Manager





Gettler-Ryan - Dublin
6747 Sierra Court, Suite J
Dublin, CA 94568
Attention: Greg Guss

Client Project ID: Chevron #9-8139, San Leandro
Matrix: Solid

QC Sample Group: 9070302-310

Reported: Jul 12, 1999

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	C. Westwater	C. Westwater	C. Westwater	C. Westwater

MS/MSD Batch#:	9070091	9070091	9070091	9070091
Date Prepared:	7/8/99	7/8/99	7/8/99	7/8/99
Date Analyzed:	7/8/99	7/8/99	7/8/99	7/8/99
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4
Conc. Spiked:	0.80 mg/kg	0.80 mg/kg	0.80 mg/kg	2.4 mg/kg
Matrix Spike % Recovery:	90	76	80	88
Matrix Spike Duplicate % Recovery:	90	76	80	92
Relative % Difference:	0.0	0.0	0.0	4.7

LCS Batch#:	4LCS070899	4LCS070899	4LCS070899	4LCS070899
Date Prepared:	7/8/99	7/8/99	7/8/99	7/8/99
Date Analyzed:	7/8/99	7/8/99	7/8/99	7/8/99
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4
LCS % Recovery:	89	75	79	88

% Recovery Control Limits:	50-150	50-150	50-150	50-150
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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, #1271

Julianne Fegley
Julianne Fegley
Project Manager





Gettler-Ryan - Dublin
6747 Sierra Court, Suite J
Dublin, CA 94568
Attention: Greg Gurst

Client Project ID: Chevron #9-8139, San Leandro
Matrix: Solid

QC Sample Group: 9070302-310

Reported: Jul 12, 1999

QUALITY CONTROL DATA REPORT

ANALYTE	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene	Lead
Method:	EPA 8010	EPA 8010	EPA 8010	EPA 7420
Analyst:	P. Kosovskaya	P. Kosovskaya	P. Kosovskaya	T. Le

MS/MSD	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene	Lead
Batch#:	9070303	9070303	9070303	9070302
Date Prepared:	7/8/99	7/8/99	7/8/99	7/8/99
Date Analyzed:	7/8/99	7/8/99	7/8/99	7/9/99
Instrument I.D.#:	HP-7	HP-7	HP-7	MV-1
Conc. Spiked:	1.0 mg/kg	1.0 mg/kg	1.0 mg/kg	50 mg/kg
Matrix Spike % Recovery:	62	81	82	86
Matrix Spike Duplicate % Recovery:	75	98	100	82
Relative % Difference:	19	19	20	4.7

LCS Batch#:	LCS070999	LCS070999	LCS070999	LCS070899
Date Prepared:	7/9/99	7/9/99	7/9/99	7/8/99
Date Analyzed:	7/9/99	7/9/99	7/9/99	7/9/99
Instrument I.D.#:	HP-7	HP-7	HP-7	MV-1
LCS % Recovery:	76	85	80	96

% Recovery Control Limits:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene	Lead
	65-135	70-130	70-130	80-120

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, #1271

Julianne Fegley
Julianne Fegley
Project Manager

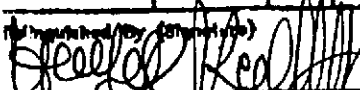
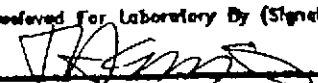


Chevron U.S.A. Inc.
 P.O. BOX 5004
 San Ramon, CA 94583
 FAX (415)842-9591

Chevron Facility Number 9-8139-SAN LEANDRO
 Facility Address 16304 FOOTHILL BOULEVARD
 Consultant Project Number 346461.04
 Consultant Name GETTLER-RYAN INC. (GR)
 Address 6747 Sierra Ct., Suite J, DUBLIN, CA
 Project Contact (Name) GREG A. GURSS
 (Phone) (916)631-1300 (Fax Number) 631-1317

Chevron Contact (Name) PHIL BRIGGS
 (Phone) _____
 Laboratory Name SEQUOIA ANALYTICAL
 Laboratory Release Number 9179371
 Samples Collected by (Name) HAIG KEVORK
 Collection Date 7/7/1999
 Signature [Signature] 9107098

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Charcoal	Type G = Grab C = Composite D = Direct	Time	Sample Preservation	Lead (Yes or No)	Analysis To Be Performed											Total Lead	Remarks
								STEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (8020)	Aromatic Hydrocarbons (8010)	Petroleum Aromatics (8020)	Petroleum Organics (8240)	Extractable Organics (8270)	Metals Cd, Cr, Pb, Zn, Ni (ICAP or AA)					
Comp-A		4	S	C	9:45	BRASS TUBINGS	YES	✓									✓	9070302	PLEASE	
Comp-B		4	S	C	10:05			✓				✓					✓	9070303	FAX	
Comp-C		4	S	C	10:30			✓									✓	9070304	RESULTS	
Comp-D		4	S	C	10:50			✓									✓	9070305	BY 15:00 PM	
Comp-E		4	S	C	11:15			✓				✓					✓	9070306	7/8/1999	
Comp-F		4	S	C	11:40			✓									✓	9070307		
Comp-G		4	S	C	11:58			✓									✓	9070308		
Comp-H		4	S	C	12:20			✓									✓	9070309		
Comp-I		4	S	C	12:45	↓	↓	✓									✓	9070310		

Prepared By (Signature) 	Organization <u>GR</u>	Date/Time <u>7/7/1999</u>	Received By (Signature) _____	Organization _____	Date/Time _____	Turn Around Time (Circle Check) <input type="checkbox"/> 24 Hrs. <input type="checkbox"/> 48 Hrs. <input checked="" type="checkbox"/> 5 Days <input type="checkbox"/> 10 Days <input type="checkbox"/> As Contracted
Prepared By (Signature) _____	Organization _____	Date/Time _____	Received By (Signature) _____	Organization _____	Date/Time _____	
Prepared By (Signature) _____	Organization _____	Date/Time _____	Received For Laboratory By (Signature) 	Organization _____	Date/Time <u>7/7/99</u>	



Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Chevron
Project Number: Chevron # 9-8139
Project Manager: Steve Carter

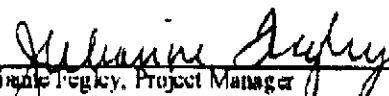
Reported:
14-Sep-99 10:11

**STLC CAM Metals by EPA 6000/7000 Series Methods
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Comp - J (W909200-01) Soil Sampled: 08-Sep-99 00:00 Received: 10-Sep-99 09:40									
Lead	ND	0.20	mg/l	10	9113003	10-Sep-99	13-Sep-99	EPA 6010A	

Sequoia Analytical - Walnut Creek

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.


Julianne Fogley, Project Manager





Gieffler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Chevron
Project Number: Chevron # 9-R139
Project Manager: Steve Carter

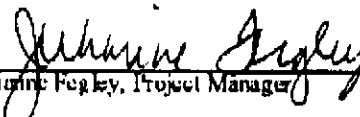
Reported:
14-Sep-99 16:11

**Volatile Organic Compounds by EPA Method 8010B
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Comp - J (W909200-01) Soil Sampled: 08-Sep-99 00:00 Received: 10-Sep-99 09:40									
Bromodichloromethane	ND	0.025	mg/kg	100	9110014	10-Sep-99	10-Sep-99	EPA 8010B	
Bromoform	ND	0.025	"	"	"	"	"	"	
Bromomethane	ND	0.050	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.025	"	"	"	"	"	"	
Chlorobenzene	ND	0.025	"	"	"	"	"	"	
Chloroethane	ND	0.050	"	"	"	"	"	"	
Chloroform	ND	0.025	"	"	"	"	"	"	
Chloromethane	ND	0.050	"	"	"	"	"	"	
Dibromochloromethane	ND	0.025	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.025	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.025	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.025	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.025	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.025	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.025	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.025	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.025	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.025	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.025	"	"	"	"	"	"	
Methylene chloride	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.025	"	"	"	"	"	"	
Tetrachloroethene	ND	0.025	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.025	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.025	"	"	"	"	"	"	
Trichloroethene	ND	0.025	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.025	"	"	"	"	"	"	
Vinyl chloride	ND	0.050	"	"	"	"	"	"	
Surrogate: 1-Chloro-2-fluorobenzene		86.0 %	50-150	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		64.0 %	50-150	"	"	"	"	"	

Sequoia Analytical - Walnut Creek

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.


Julianne Fogley, Project Manager





9 September, 1999

Steve Carter
Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin, CA 94568

RE: Chevron

Enclosed are the results of analyses for samples received by the laboratory on 08-Sep-99 13:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Julianne Fegley
Project Manager





Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Chevron
Project Number: Chevron # 9-8139
Project Manager: Steve Carter

Reported:
09-Sep-99 19:05

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Comp - K	W909148-02	Soil	08-Sep-99 00:00	08-Sep-99 13:00
Comp - J	W909148-01	Soil	08-Sep-99 00:00	08-Sep-99 13:00






Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Chevron
Project Number: Chevron # 9-8139
Project Manager: Steve Carter

Reported:
09-Sep-99 19:05

Total Purgeable Hydrocarbons (C6-C12) and BTEX by DHS LUFT
Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Comp - J (W909148-01) Soil Sampled: 08-Sep-99 00:00 Received: 08-Sep-99 13:00									
Purgeable Hydrocarbons	ND	1.0	mg/kg	20	9108016	08-Sep-99	08-Sep-99	DHS LUFT	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		95.0 %	40-140		"	"	"	"	
Comp - K (W909148-02) Soil Sampled: 08-Sep-99 00:00 Received: 08-Sep-99 13:00									
Purgeable Hydrocarbons	ND	1.0	mg/kg	20	9108016	08-Sep-99	08-Sep-99	DHS LUFT	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		100 %	40-140		"	"	"	"	


Julianne Pegley, Project Manager






Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Chevron
Project Number: Chevron # 9-8139
Project Manager: Steve Carter

Reported:
09-Sep-99 19:05

**Total Metals by EPA 6000/7000 Series Methods
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Comp - J (W909148-01) Soil Sampled: 08-Sep-99 00:00 Received: 08-Sep-99 13:00									
Lead	55.0	0.500	mg/kg	1	9I09002	08-Sep-99	09-Sep-99	EPA 6010A	
Comp - K (W909148-02) Soil Sampled: 08-Sep-99 00:00 Received: 08-Sep-99 13:00									
Lead	44.5	0.500	mg/kg	1	9I09002	08-Sep-99	09-Sep-99	EPA 6010A	


Julianne Pegley, Project Manager





Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Chevron
Project Number: Chevron # 9-8139
Project Manager: Steve Carter

Reported:
09-Sep-99 19:05

Total Purgeable Hydrocarbons (C6-C12) and BTEX by DHS LUFT - Quality Control
Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 9I08016: Prepared 08-Sep-99 Using EPA 5030B [MeOH]

Blank (9I08016-BLK1)

Benzene	ND	0.0050	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
<i>Surrogate: a,a,a-Trifluorotoluene</i>	0.600		"	0.600		100	40-140			

LCS (9I08016-BS1)

Benzene	0.808	0.0050	mg/kg	0.800		101	50-150			
Toluene	0.700	0.0050	"	0.800		87.5	50-150			
Ethylbenzene	0.748	0.0050	"	0.800		93.5	50-150			
Xylenes (total)	2.50	0.0050	"	2.40		104	50-150			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	0.548		"	0.600		91.3	40-140			

Matrix Spike (9I08016-MS1)

Source: W909133-01

Benzene	0.898	0.0050	mg/kg	0.800	ND	112	50-150			
Toluene	0.766	0.0050	"	0.800	ND	95.7	50-150			
Ethylbenzene	0.806	0.0050	"	0.800	ND	101	50-150			
Xylenes (total)	2.70	0.0050	"	2.40	ND	112	50-150			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	0.510		"	0.600		85.0	40-140			

Matrix Spike Dup (9I08016-MSD1)

Source: W909133-01

Benzene	0.936	0.0050	mg/kg	0.800	ND	117	50-150	4.14	20	
Toluene	0.790	0.0050	"	0.800	ND	98.8	50-150	3.08	20	
Ethylbenzene	0.818	0.0050	"	0.800	ND	102	50-150	1.48	20	
Xylenes (total)	2.73	0.0050	"	2.40	ND	114	50-150	1.10	20	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	0.532		"	0.600		88.7	40-140			

Julianne Pegley
Julianne Pegley, Project Manager





Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Chevron
Project Number: Chevron # 9-8139
Project Manager: Steve Carter

Reported:
09-Sep-99 19:05

**Total Metals by EPA 6000/7000 Series Methods - Quality Control
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9I09002: Prepared 09-Sep-99 Using EPA 3050B										
Blank (9I09002-BLK1)										
Lead	ND	0.500	mg/kg							
LCS (9I09002-BS1)										
Lead	50.0	0.500	mg/kg	50.0		100	80-120			
LCS Dup (9I09002-BSD1)										
Lead	50.0	0.500	mg/kg	50.0		100	80-120	0	20	
Matrix Spike (9I09002-MS1) Source: W909148-01										
Lead	105	0.500	mg/kg	50.0	55.0	100	80-120			
Matrix Spike Dup (9I09002-MSD1) Source: W909148-01										
Lead	90.0	0.500	mg/kg	50.0	55.0	70.0	80-120	15.4	20	Q-01


Julianne Pegley, Project Manager





Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Chevron
Project Number: Chevron # 9-8139
Project Manager: Steve Carter

Reported:
09-Sep-99 19:05

Notes and Definitions

- Q-01 The spike recovery for this QC sample is outside of established control limits. Review of associated batch QC indicates the recovery for this analyte does not represent an out-of-control condition for the batch.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference


Julianne Stegley, Project Manager





Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673

14 September, 1999

Steve Carter
Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin, CA 94568

RE: Chevron

Enclosed are the results of analyses for samples received by the laboratory on 10-Sep-99 09:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Julianne Fegley
Project Manager






Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Chevron
Project Number: Chevron # 9-8139
Project Manager: Steve Carter

Reported:
14-Sep-99 16:11

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Comp - J	W909200-01	Soil	08-Sep-99 00:00	10-Sep-99 09:40


Julianne Pegley, Project Manager





Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Chevron
Project Number: Chevron # 9-8139
Project Manager: Steve Carter


Reported:
14-Sep-99 16:11

**STLC CAM Metals by EPA 6000/7000 Series Methods
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Comp - J (W909200-01) Soil Sampled: 08-Sep-99 00:00 Received: 10-Sep-99 09:40									
Lead	ND	0.20	mg/l	10	9I13003	10-Sep-99	13-Sep-99	EPA 6010A	

Sequoia Analytical - Walnut Creek

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Julianne Pegley, Project Manager





Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Chevron
Project Number: Chevron # 9-8139
Project Manager: Steve Carter


Reported:
14-Sep-99 16:11

Volatile Organic Compounds by EPA Method 8010B
Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Comp - J (W909200-01) Soil Sampled: 08-Sep-99 00:00 Received: 10-Sep-99 09:40									
Bromodichloromethane	ND	0.025	mg/kg	100	9110014	10-Sep-99	10-Sep-99	EPA 8010B	
Bromoform	ND	0.025	"	"	"	"	"	"	"
Bromomethane	ND	0.050	"	"	"	"	"	"	"
Carbon tetrachloride	ND	0.025	"	"	"	"	"	"	"
Chlorobenzene	ND	0.025	"	"	"	"	"	"	"
Chloroethane	ND	0.050	"	"	"	"	"	"	"
Chloroform	ND	0.025	"	"	"	"	"	"	"
Chloromethane	ND	0.050	"	"	"	"	"	"	"
Dibromochloromethane	ND	0.025	"	"	"	"	"	"	"
1,3-Dichlorobenzene	ND	0.025	"	"	"	"	"	"	"
1,4-Dichlorobenzene	ND	0.025	"	"	"	"	"	"	"
1,2-Dichlorobenzene	ND	0.025	"	"	"	"	"	"	"
1,2-Dichloroethane	ND	0.025	"	"	"	"	"	"	"
1,1-Dichloroethene	ND	0.025	"	"	"	"	"	"	"
cis-1,2-Dichloroethene	ND	0.025	"	"	"	"	"	"	"
trans-1,2-Dichloroethene	ND	0.025	"	"	"	"	"	"	"
1,2-Dichloropropane	ND	0.025	"	"	"	"	"	"	"
cis-1,3-Dichloropropene	ND	0.025	"	"	"	"	"	"	"
trans-1,3-Dichloropropene	ND	0.025	"	"	"	"	"	"	"
Methylene chloride	ND	0.10	"	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	ND	0.025	"	"	"	"	"	"	"
Tetrachloroethene	ND	0.025	"	"	"	"	"	"	"
1,1,1-Trichloroethane	ND	0.025	"	"	"	"	"	"	"
1,1,2-Trichloroethane	ND	0.025	"	"	"	"	"	"	"
Trichloroethene	ND	0.025	"	"	"	"	"	"	"
Trichlorofluoromethane	ND	0.025	"	"	"	"	"	"	"
Vinyl chloride	ND	0.050	"	"	"	"	"	"	"
<i>Surrogate: 1-Chloro-2-fluorobenzene</i>		86.0 %		50-150	"	"	"	"	"
<i>Surrogate: 4-Bromofluorobenzene</i>		64.0 %		50-150	"	"	"	"	"

Sequoia Analytical - Walnut Creek

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Julianne Fegley, Project Manager





Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Chevron
Project Number: Chevron # 9-8139
Project Manager: Steve Carter

Reported:
14-Sep-99 16:11

**STLC CAM Metals by EPA 6000/7000 Series Methods - Quality Control
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9I13003: Prepared 10-Sep-99 Using Title 22-STLC										
Blank (9I13003-BLK1)										
Lead	ND	0.20	mg/l							
LCS (9I13003-BS1)										
Lead	9.70	0.20	mg/l	10.0		97.0	80-120			
LCS Dup (9I13003-BSD1)										
Lead	9.30	0.20	mg/l	10.0		93.0	80-120	4.21	20	
Post Spike (9I13003-PS1) Source: W909200-01										
Lead	9.80	0.20	mg/l	10.0	ND	98.0	80-120			
Post Spike (9I13003-PS2) Source: W909200-01										
Lead	9.40	0.20	mg/l	10.0	ND	94.0	80-120			

Sequoia Analytical - Walnut Creek

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Julianne Pegley, Project Manager





Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Chevron
Project Number: Chevron # 9-8139
Project Manager: Steve Carter

Reported:
14-Sep-99 16:11

**Volatile Organic Compounds by EPA Method 8010B - Quality Control
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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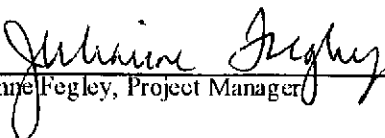
Batch 9I10014: Prepared 10-Sep-99 Using EPA 5030B [MeOH]

Blank (9I10014-BLK1)

Bromodichloromethane	ND	0.025	mg/kg							
Bromoform	ND	0.025	"							
Bromomethane	ND	0.050	"							
Carbon tetrachloride	ND	0.025	"							
Chlorobenzene	ND	0.025	"							
Chloroethane	ND	0.050	"							
Chloroform	ND	0.025	"							
Chloromethane	ND	0.050	"							
Dibromochloromethane	ND	0.025	"							
1,3-Dichlorobenzene	ND	0.025	"							
1,4-Dichlorobenzene	ND	0.025	"							
1,2-Dichlorobenzene	ND	0.025	"							
1,2-Dichloroethane	ND	0.025	"							
1,1-Dichloroethene	ND	0.025	"							
cis-1,2-Dichloroethene	ND	0.025	"							
trans-1,2-Dichloroethene	ND	0.025	"							
1,2-Dichloropropane	ND	0.025	"							
cis-1,3-Dichloropropene	ND	0.025	"							
trans-1,3-Dichloropropene	ND	0.025	"							
Methylene chloride	ND	0.10	"							
1,1,2,2-Tetrachloroethane	ND	0.025	"							
Tetrachloroethene	ND	0.025	"							
1,1,1-Trichloroethane	ND	0.025	"							
1,1,2-Trichloroethane	ND	0.025	"							
Trichloroethene	ND	0.025	"							
Trichlorofluoromethane	ND	0.025	"							
Vinyl chloride	ND	0.050	"							
<i>Surrogate: 1-Chloro-2-fluorobenzene</i>	<i>0.415</i>		<i>"</i>	<i>0.500</i>		<i>83.0</i>	<i>50-150</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.295</i>		<i>"</i>	<i>0.500</i>		<i>59.0</i>	<i>50-150</i>			

Sequoia Analytical - Walnut Creek

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.


Julianne Fegley, Project Manager





Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Chevron
Project Number: Chevron # 9-8139
Project Manager: Steve Carter

Reported:
14-Sep-99 16:11

**Volatile Organic Compounds by EPA Method 8010B - Quality Control
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 9I10014: Prepared 13-Sep-99 Using EPA 5030B [MeOH]

Blank (9I10014-BLK2)

Bromodichloromethane	ND	0.025	mg/kg							
Bromoform	ND	0.025	"							
Bromomethane	ND	0.050	"							
Carbon tetrachloride	ND	0.025	"							
Chlorobenzene	ND	0.025	"							
Chloroethane	ND	0.050	"							
Chloroform	ND	0.025	"							
Chloromethane	ND	0.050	"							
Dibromochloromethane	ND	0.025	"							
1,3-Dichlorobenzene	ND	0.025	"							
1,4-Dichlorobenzene	ND	0.025	"							
1,2-Dichlorobenzene	ND	0.025	"							
1,2-Dichloroethane	ND	0.025	"							
1,1-Dichloroethene	ND	0.025	"							
cis-1,2-Dichloroethene	ND	0.025	"							
trans-1,2-Dichloroethene	ND	0.025	"							
1,2-Dichloropropane	ND	0.025	"							
cis-1,3-Dichloropropene	ND	0.025	"							
trans-1,3-Dichloropropene	ND	0.025	"							
Methylene chloride	ND	0.10	"							
1,1,2,2-Tetrachloroethane	ND	0.025	"							
Tetrachloroethene	ND	0.025	"							
1,1,1-Trichloroethane	ND	0.025	"							
1,1,2-Trichloroethane	ND	0.025	"							
Trichloroethene	ND	0.025	"							
Trichlorofluoromethane	ND	0.025	"							
Vinyl chloride	ND	0.050	"							
<i>Surrogate: 1-Chloro-2-fluorobenzene</i>	<i>0.420</i>		<i>"</i>	<i>0.500</i>		<i>84.0</i>	<i>50-150</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.300</i>		<i>"</i>	<i>0.500</i>		<i>60.0</i>	<i>50-150</i>			

Sequoia Analytical - Walnut Creek

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Julianne Fegley, Project Manager





Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Chevron
Project Number: Chevron # 9-8139
Project Manager: Steve Carter

Reported:
14-Sep-99 16:11

**Volatile Organic Compounds by EPA Method 8010B - Quality Control
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 9I10014: Prepared 10-Sep-99 Using EPA 5030B [MeOH]

LCS (9I10014-BS1)

Chlorobenzene	0.950	0.025	mg/kg	1.00		95.0	70-130			
1,1-Dichloroethene	1.10	0.025	"	1.00		110	65-135			
Trichloroethene	1.00	0.025	"	1.00		100	70-130			
<i>Surrogate: 1-Chloro-2-fluorobenzene</i>	<i>0.405</i>		"	<i>0.500</i>		<i>81.0</i>	<i>50-150</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.315</i>		"	<i>0.500</i>		<i>63.0</i>	<i>50-150</i>			

LCS (9I10014-BS2)

Chlorobenzene	1.00	0.025	mg/kg	1.00		100	70-130			
1,1-Dichloroethene	1.30	0.025	"	1.00		130	65-135			
Trichloroethene	1.00	0.025	"	1.00		100	70-130			
<i>Surrogate: 1-Chloro-2-fluorobenzene</i>	<i>0.395</i>		"	<i>0.500</i>		<i>79.0</i>	<i>50-150</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.275</i>		"	<i>0.500</i>		<i>55.0</i>	<i>50-150</i>			

Matrix Spike (9I10014-MS1)

Source: W909199-01

Chlorobenzene	0.900	0.025	mg/kg	1.00	ND	90.0	60-140			
1,1-Dichloroethene	0.950	0.025	"	1.00	ND	95.0	60-140			
Trichloroethene	0.900	0.025	"	1.00	ND	90.0	60-140			
<i>Surrogate: 1-Chloro-2-fluorobenzene</i>	<i>0.370</i>		"	<i>0.500</i>		<i>74.0</i>	<i>50-150</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.270</i>		"	<i>0.500</i>		<i>54.0</i>	<i>50-150</i>			

Matrix Spike Dup (9I10014-MSD1)

Source: W909199-01

Chlorobenzene	0.850	0.025	mg/kg	1.00	ND	85.0	60-140	5.71	25	
1,1-Dichloroethene	0.900	0.025	"	1.00	ND	90.0	60-140	5.41	25	
Trichloroethene	0.800	0.025	"	1.00	ND	80.0	60-140	11.8	25	
<i>Surrogate: 1-Chloro-2-fluorobenzene</i>	<i>0.370</i>		"	<i>0.500</i>		<i>74.0</i>	<i>50-150</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.290</i>		"	<i>0.500</i>		<i>58.0</i>	<i>50-150</i>			

Julianne Fegley, Project Manager





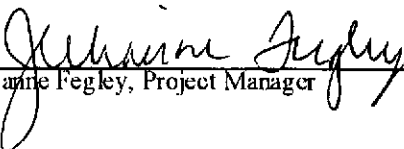
Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Chevron
Project Number: Chevron # 9-8139
Project Manager: Steve Carter

Reported:
14-Sep-99 16:11

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference


Julianne Pegley, Project Manager





Sequoia Analytical

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1455 McDowell Blvd. North, Ste. D

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Walnut Creek, CA 94598 (925) 988-9600 FAX (925) 988-9673
Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100
Petaluma, CA 94954 (707) 792-1865 FAX (707) 792-0342

REQUEST TO RELOG SAMPLES

(Please submit to sample control with a copy of the COC)

CLIENT: Gettler Ryan

MATRIX: Soil

PREVIOUSLY LOGGED SAMPLES

TAT Change status to: ASAP
Change status as of Day: 9/16/99 Time: 9:40 W909200

CHANGE ANALYSES

Add Analyses

Cancel Analyses

Sequoia Project ID: W909148

Sample Number	Analyses
<u>W909148-01</u>	<u>STLc Pb</u>
<u>W909148-01</u>	<u>8010</u>

OIA-D

SAMPLES ON HOLD

Sample Description	Analyses

Client Authorization (Person/Date/Time): Steve Carter 9/16/99 9:40 AM



Gettler-Ryan - Dublin 6747 Sierra Court, Suite J Dublin, CA 94568 Attention: Greg A. Guss	Client Project ID: Chevron #9-8139, San Leandro Sample Descript: Soil, Comp-C Analysis Method: EPA 5030/8010 Lab Number: 907-0449	Sampled: Jul 7, 1999 Relogged: Jul 8, 1999 Analyzed: Jul 9, 1999 Reported: Jul 19, 1999
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HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Bromodichloromethane.....	0.050	N.D.
Bromoform.....	0.050	N.D.
Bromomethane.....	0.10	N.D.
Carbon tetrachloride.....	0.050	N.D.
Chlorobenzene.....	0.050	N.D.
Chloroethane.....	0.10	N.D.
Chloroform.....	0.050	N.D.
Chloromethane.....	0.10	N.D.
Dibromochloromethane.....	0.050	N.D.
1,2-Dichlorobenzene.....	0.050	N.D.
1,3-Dichlorobenzene.....	0.050	N.D.
1,4-Dichlorobenzene.....	0.050	N.D.
1,1-Dichloroethane.....	0.050	N.D.
1,2-Dichloroethane.....	0.050	N.D.
1,1-Dichloroethene.....	0.050	N.D.
cis-1,2-Dichloroethene.....	0.050	N.D.
trans-1,2-Dichloroethene.....	0.050	N.D.
1,2-Dichloropropane.....	0.050	N.D.
cis-1,3-Dichloropropene.....	0.050	N.D.
trans-1,3-Dichloropropene.....	0.050	N.D.
Methylene chloride.....	0.50	N.D.
1,1,2,2-Tetrachloroethane.....	0.050	N.D.
Tetrachloroethene.....	0.050	N.D.
1,1,1-Trichloroethane.....	0.050	N.D.
1,1,2-Trichloroethane.....	0.050	N.D.
Trichloroethene.....	0.050	N.D.
Trichlorofluoromethane.....	0.050	N.D.
Vinyl chloride.....	0.10	N.D.
Surrogates		
	Control Limit %	% Recovery
1-Chloro-2-fluorobenzene.....	50	150..... 111
4-Bromofluorobenzene.....	50	150..... 108

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

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Julianne Fegley
Project Manager





Gettler-Ryan - Dublin 6747 Sierra Court, Suite J Dublin, CA 94568 Attention: Greg A. Gurss	Client Project ID: Chevron #9-8139, San Leandro Sample Descript: Soil, Comp-G Analysis Method: EPA 5030/8010 Lab Number: 907-0450	Sampled: Jul 7, 1999 Relogged: Jul 8, 1999 Analyzed: Jul 9, 1999 Reported: Jul 19, 1999
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HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Bromodichloromethane.....	0.050	N.D.
Bromoform.....	0.050	N.D.
Bromomethane.....	0.10	N.D.
Carbon tetrachloride.....	0.050	N.D.
Chlorobenzene.....	0.050	N.D.
Chloroethane.....	0.10	N.D.
Chloroform.....	0.050	N.D.
Chloromethane.....	0.10	N.D.
Dibromochloromethane.....	0.050	N.D.
1,2-Dichlorobenzene.....	0.050	N.D.
1,3-Dichlorobenzene.....	0.050	N.D.
1,4-Dichlorobenzene.....	0.050	N.D.
1,1-Dichloroethane.....	0.050	N.D.
1,2-Dichloroethane.....	0.050	N.D.
1,1-Dichloroethene.....	0.050	N.D.
cis-1,2-Dichloroethene.....	0.050	N.D.
trans-1,2-Dichloroethene.....	0.050	N.D.
1,2-Dichloropropane.....	0.050	N.D.
cis-1,3-Dichloropropene.....	0.050	N.D.
trans-1,3-Dichloropropene.....	0.050	N.D.
Methylene chloride.....	0.50	N.D.
1,1,1,2-Tetrachloroethane.....	0.050	N.D.
Tetrachloroethene.....	0.050	N.D.
1,1,1-Trichloroethane.....	0.050	N.D.
1,1,2-Trichloroethane.....	0.050	N.D.
Trichloroethene.....	0.050	N.D.
Trichlorofluoromethane.....	0.050	N.D.
Vinyl chloride.....	0.10	N.D.
Surrogates		
1-Chloro-2-fluorobenzene.....	50	Control Limit % 150..... % Recovery 111
4-Bromofluorobenzene.....	50	150..... 133

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

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Project Manager





Gettler-Ryan - Dublin
6747 Sierra Court, Suite J
Dublin, CA 94568
Attention: Greg A. Gurss

Client Project ID: Chevron #9-8139, San Leandro
Matrix: Solid

QC Sample Group: 9070449-450

Reported: Jul 19, 1999

QUALITY CONTROL DATA REPORT

ANALYTE	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
Method:	EPA 8010	EPA 8010	EPA 8010
Analyst:	P. Kosovskaya	P. Kosovskaya	P. Kosovskaya

MS/MSD			
Batch#:	9070303	9070303	9070303
Date Prepared:	7/8/99	7/8/99	7/8/99
Date Analyzed:	7/8/99	7/8/99	7/8/99
Instrument I.D.#:	HP-7	HP-7	HP-7
Conc. Spiked:	1.0 mg/kg	1.0 mg/kg	1.0 mg/kg
Matrix Spike % Recovery:	62	81	82
Matrix Spike Duplicate % Recovery:	75	98	100
Relative % Difference:	19	19	20

LCS Batch#:	LCS070999	LCS070999	LCS070999
Date Prepared:	7/9/99	7/9/99	7/9/99
Date Analyzed:	7/9/99	7/9/99	7/9/99
Instrument I.D.#:	HP-7	HP-7	HP-7
LCS % Recovery:	76	85	80

% Recovery Control Limits:	65-135	70-130	70-130
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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, #1271

J. Fegley
Julianne Fegley
Project Manager





Sequoia Analytical

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FAX (707) 792-0342

REQUEST TO RELOG SAMPLES

(Please submit to sample control with a copy of the COC)

CLIENT: Gettler Ryan

MATRIX: Soil

PREVIOUSLY LOGGED SAMPLES

TAT Change status to: ASAP 9907136
Change status as of Day: 7/18/99 Time: 10:50

CHANGE ANALYSES

Add Analyses



Cancel Analyses



Sequoia Project ID: 9907098

Sample Number

Analyses

9070449

9070304

8010

9070450

9070308

8010

SAMPLES ON HOLD

Sample Description

Analyses

Client Authorization (Person/Date/Time): Harry Keenan 7/18/99 10:50 AM

Project Manager:

JCF

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

Chevron Facility Number 9-8139-SAN LEANDRO
 Facility Address 16304 FOOTHILL BOULEVARD
 Consultant Project Number 346461.04
 Consultant Name GETTLER-RYAN INC. (GR)
 Address 6747 Sierra Ct., Suite J, DUBLIN, CA
 Project Contact (Name) GREG A. GURSS
 (Phone) (916)631-1300 (Fax Number) 631-1317

Chevron Contact (Name) PHIL BRIGGS
 (Phone) _____
 Laboratory Name SEQUOIA ANALYTICAL
 Laboratory Release Number 9179371
 Samples Collected by (Name) HAIG KEVORK
 Collection Date 7/7/1999
 Signature [Signature] 907095

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Chemical	Type S = Solid C = Composite O = Other	Time	Sample Preservation	Lead (Yes or No)	Analysis To Be Performed										Total Lead	Remarks
								STX + TPH GAS (8020 + 8015)	TPH (8015)	Oil and Grease (8020)	Petroleum Hydrocarbons (8010)	Petroleum Aromatics (8020)	Petroleum Organics (8040)	Extractable Organics (8070)	Metals Cd, Cr, Pb, Zn, Ni (ICAP or AA)				
Comp-A		4	S	C	9:45	BRASS TUBES	YES	✓								✓	9070302	PLEASE	
Comp-B		4	S	C	10:05			✓				✓				✓	9070303	FAX	
Comp-C		4	S	C	10:30			✓								✓	9070304	RESULTS	
Comp-D		4	S	C	10:50			✓								✓	9070305	BY 15:00 PM	
Comp-E		4	S	C	11:15			✓				✓				✓	9070306	7/8/1999	
Comp-F		4	S	C	11:40			✓								✓	9070307		
Comp-G		4	S	C	11:58			✓								✓	9070308		
Comp-H		4	S	C	12:20			✓								✓	9070309		
Comp-I		4	S	C	12:45	↓	↓	✓								✓	9070310		

9907136

Requested By (Signature) <u>[Signature]</u>	Organization <u>GR</u>	Date/Time <u>7/7/1999</u>	Received By (Signature) <u>[Signature]</u>	Organization	Date/Time	Turn Around Time (Circle Choice) <input checked="" type="checkbox"/> 24 Hrs. <input type="checkbox"/> 48 Hrs. <input type="checkbox"/> 5 Days <input type="checkbox"/> 10 Days <input type="checkbox"/> As Contracted
Requested By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	
Requested By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature) <u>[Signature]</u>		Date/Time <u>1345</u> <u>7/7/99</u>	