



Chevron

July 18, 1996

Chevron U.S.A. Products Company
2410 Camino Ramon
San Ramon, CA 94583
P.O. Box 5004
San Ramon, CA 94583-0804

Ms. Eva Chu
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Marketing Department
Phone 510 842 9500

Re: Former Chevron Service Station # 9-1723
9757 San Leandro Blvd.
San Leandro, California

*Perform risk analysis for soil & GW
vapor intrusion to indoor air
Note: all boring were in parking
area*

66 JUL 19 PM 3:28
ENVIRONMENTAL
PROTECTION

Dear Ms. Chu:

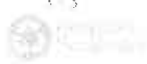
Enclosed is a copy of a Environmental Assessment Report prepared be our consultant Groundwater Technology Inc. (now Flour Daniel GTI), that documents the additional environmental assessment work that was conducted at the above noted site. This work was conducted in accordance with a work plan submitted by GTI and approved by your office on March 20, 1996. The work included determining the locations and status of water wells on the former Gerber facility adjacent to our former site, drilling and sampling twenty-three soil borings and obtaining "grab" ground water samples from three of these borings.

The results of the survey to locate the water wells on the former Gerber site is as follows: A pump and two wells were located within 250 feet southwesterly and westerly of Chevron's former site. The closest well P2, is located about 100 feet southwesterly of the former Chevron site property line and is still in operation, but it is on standby status for a fire emergency. The farthest well P3, is located about 230 feet westerly from the corner of the former Chevron property lines and is still in operation providing water for industrial purposes. It appears that these wells are screened in a deep aquifer that would not be effected by any dissolved petroleum hydrocarbons from Chevron's former site. A layer of silty-clay was encountered in the soil borings at a depth of 10 to 15 feet that could act to restrict the vertical migration of petroleum hydrocarbon constituents . In addition, the two upgradient monitoring wells, MW-2 and MW-9 from water wells P2 and P3, both had a ND reading for the benzene constituent in their last quarterly sampling.

The results of the soil samples collected at the site, shows that gasoline-range hydrocarbons were detected in 34 of the 36 soil samples. All the soil samples were analyzed for TPH-g and BTEX constituents with four samples also analyzed for Total Oil and Grease. The maximum benzene concentration detected was 99ppm, however the next concentration was 17ppm with the remaining 32 soil samples under 6.2ppm. The highest TPH-g concentration was detected in boring SB-15 at 1800ppm and collected at 10 feet. The highest Total Oil and Grease sample was from boring SB-4 at a concentration of 940ppm and at a depth of 10 feet.

Ground water is normally encountered at a depth of about 6 to 8 feet, and "grab" water samples were collected from borings SB-11, SB-19 and SB-22. These water samples were analyzed for TPH-g and BTEX constituents. TPH-g and BTEX constituents were detected in all samples, except for toluene which was not detected in boring SB-22. The highest TPH-g and BTEX concentrations were detected in SB-22 with readings of 19,000ppb and 400ppb respectively. Concentrations of dissolved petroleum hydrocarbons detected from "grab" samples, is an indication of the presence of these compounds, but exact confirmation of

300-500



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Page 2

the concentrations are achieved through installing monitoring wells. Monitoring wells are presently at the site, therefore Chevron is not proposing to installing any additional monitoring wells.

It appears no "trigger" concentrations have been exceeded as outlined in Weiss Associates, Comprehensive Site Evaluation Report, dated June 23, 1994, therefore, Chevron will continue to monitor the site. Chevron also requests that consideration be given to establishing this site as a non-attainment zone as outlined in the same Weiss Associates report noted above.

For your information, there has been a recent reorganization within Chevron and I have taken over this project from Mr. Kenneth Kan. 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

Mr. Kevin Graves
RWQWB- S.F. Bay Region
2101 Webster Street, Suite
Oakland, CA 94612

Mr. Ron Hothem
Pacific American Management Co.
369 Broadway
San Francisco, CA 94133

Mr. Jason Fedota (Report not enclosed)
Fluor Daniel GTI
1401 Halyard Drive, Suite 140
West Sacramento, CA 95691



FLUOR DANIEL GTI

**ENVIRONMENTAL ASSESSMENT REPORT
CHEVRON SERVICE STATION NO. 9-1723
9757 SAN LEANDRO BOULEVARD
OAKLAND, CALIFORNIA**

Project 02070 0080

May 15, 1998

Prepared for:

**Mr. Phillip Briggs
Chevron U.S.A. Products Company
6001 Bollinger Canyon Road, Bldg. L
San Ramon, CA 94583**

**Fluor Daniel GTI, Inc.
Submitted by:**

**Brian McAloon
Associate Geologist**

**Fluor Daniel GTI, Inc.
Approved by:**

**Jason M. Fedota
Lead Geologist
Project Manager**

**Ed K. Simonis, R.G.
Senior Geologist**



0080EAR.rpt(Chw-108)

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- B. Drilling Logs
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1.0 INTRODUCTION

This report is submitted by Fluor Daniel GTI, Inc. (Fluor Daniel GTI) to summarize the methods and results of additional environmental assessment work conducted on April 1-4, and May 3, 1996, at the former Chevron Service Station Number 9-1723 located at 9757 San Leandro Boulevard, Oakland, California (Figure 1). All work was conducted in accordance with Groundwater Technology's *Work Plan for Additional Soil and Groundwater Assessment*, dated December 6, 1994, and the subsequent Addendum, dated February 22, 1996, approved by the Alameda County Health Care Services, Department of Environmental Health (DEH). This work included conducting a background review of the site and immediate vicinity, directing an underground utility locator service in determining if proposed boring locations were free of underground obstructions, ~~determining the locations and status of water pumping wells on the former Gerber facility immediately adjacent to the site~~, obtaining necessary permits, developing a health and safety plan for field activities, ~~drilling and sampling twenty-three soil borings~~, obtaining "grab" groundwater samples from three of these borings, and preparation of this report.

2.0 ADDITIONAL ASSESSMENT WORK

2.1 Background Review/Permitting/Site-Specific Health and Safety Plan

Fluor Daniel GTI conducted a technical review of all relevant information available prior to proceeding with site assessment work. Chevron provided Fluor Daniel GTI with documentation of service station configuration for the years 1947, 1966 and 1968. This documentation was used to determine locations of soil borings in the present scope of work (Figure 2).

A soil boring permit was obtained from the Alameda County Flood Control and Water Conservation District, Zone 7 agency. A copy of this permit is included in Appendix A.

Following a complete review of site conditions, Fluor Daniel GTI prepared a site-specific *Health and Safety Plan* as required by the Occupational Safety and Health Administration (OSHA) Standard "Hazardous Waste Operations and Emergency Response" guidelines (29 CFR 1910.120). The document was reviewed and signed by all Fluor Daniel GTI personnel and subcontractors prior to commencement of work at the site.

2.2 Water Well Survey

On May 3, 1996, Fluor Daniel GTI conducted a field survey of water wells on the former Gerber facility immediately southwest of the site. A pump and two wells were identified within 250 feet hydrologically downgradient of the site (P1 and P2-3, respectively, as denoted on Figure 3). Based on field observations, pump P1 served to supply city water to a 200,000-gallon above-ground water storage

tank which was used to store process water at the former Gerber facility (Figure 3). P2 is an operative pumping well on standby status and is used to draw water from a well located in a pump house in the event of a fire emergency (R. Hothem, pers. communication, 1996). P3 is a currently operating pumping well used to extract water for industrial purposes (R. Hothem, pers. communication, 1996). Information on well construction and pumping rates is not available; however, a previous report by Groundwater Technology for the Gerber facility suggests well P2 may extend approximately 600 feet below ground surface (BGS) and be screened from 160 to 225 feet BGS (Groundwater Technology, Inc., 1988).

2.3 Soil Borings

On April 1-4, 1996, Fluor Daniel GTI supervised the drilling of soil borings SB-1 through SB-23 to depths of 5-15 feet BGS utilizing a truck-mounted drill rig equipped with 8-inch outside-diameter (O.D.) hollow-stem augers. All drilling equipment was steam cleaned prior to drilling each boring, and sampling equipment was washed in an Alconox (detergent) solution and rinsed with water between sampling intervals. All soil generated from the borings was placed on and covered with plastic sheeting. Soil and rinsate water were temporarily stored on site pending removal. On April 25, 1996, stockpiled soil and rinsate water were removed by Integrated Wastestream Management, Inc. of Milpitas and disposed of at Chevron contract disposal/recycling facilities..

2.4 Soil Sampling

Soil samples were collected from boreholes SB-1 through SB-23 at 5-foot intervals during drilling, beginning at approximately 5 feet BGS. Samples were collected using a 2.5-inch O.D. split-spoon sampler, lined with three 2-inch-diameter by 6-inch-long brass sample tubes. The sampler was driven 18 inches ahead of the augers at each sample point. Soil samples were field screened for hydrocarbon vapors using a photo-ionization detector (PID). Soil was logged using the Unified Soil Classification System by a Fluor Daniel GTI field geologist working under the supervision of a California registered geologist (Appendix B). One sample tube from each 5-foot interval was sealed, labeled and placed on ice in an insulated container for transport under chain-of-custody manifest to Sequoia Analytical (Sequoia), a California state-certified analytical lab in Sacramento.

Soil samples collected from each boring were selected for laboratory analyses on the basis of lithology, first occurrence of groundwater and PID readings. Samples were analyzed for benzene, toluene, ethylbenzene and total xylenes (BTEX), and total petroleum hydrocarbons-as-gasoline (TPH-G), using U.S. Environmental Protection Agency (EPA) methods 5030/8020/modified 8015. In addition, soil samples obtained from former hydraulic lift and waste-oil tank areas (borings SB1-4) were analyzed for total oil and grease via EPA method 418.1. The soil stockpile composite sample was also analyzed for halogenated volatile organics using EPA method 8010.

Further analyses conducted on samples collected at 5-foot BGS from borings SB-3, SB-8, SB-10, and SB-21, and from 10-foot BGS from borings SB-10 and SB-20 include measurements of percent moisture, bulk density, porosity and total organic carbon.

Upon completion of drilling and sampling, all borings were backfilled with a neat cement grout to surface.

2.5 Groundwater Sampling

"Grab" groundwater samples were collected from borings SB-11, SB-19 and SB-22 on April 2-4, 1996. Samples were obtained by lowering a disposable PVC bailer into each boring. Samples were analyzed for BTEX and TPH-G via EPA method 5030/8020/modified 8015.

3.0 RESULTS OF SOIL SAMPLE ANALYSES

Laboratory analytical results for soil samples collected on April 1-4, 1996 are summarized in Tables 1-3. Table 1 presents results for samples analyzed for BTEX and petroleum hydrocarbons. Gasoline-range hydrocarbons were detected in 34 of the 36 analyzed soil samples. The highest concentration of TPH-G was detected in the sample collected at 10 feet BGS from boring SB-15 at a concentration of 1,800 milligrams per kilogram (mg/kg, equivalent to parts per million, or ppm). Benzene was detected at a maximum concentration of 99 mg/kg in the samples collected from 10 feet BGS from boring SB-10. BTEX and TPH-G were not detected at or above the minimum laboratory detection limits in samples SB12-5 and SB21-5. Total oil and grease was detected in sample SB4-10 at a concentration of 940 mg/kg.

Soil sample analytical results for physical parameters and total organic carbon are summarized in Table 2. Moisture percent ranged from 16 for samples SB3-5 and SB21-5 to 20 for samples SB10-5 and SB10-10. Bulk density values ranged from 1.9 in sample SB10-5 to 2.1 in samples SB3-5, SB10-10 and SB21-5. Porosity values ranged from 34 in sample SB3-5 to 46 in sample SB10-10. Total organic carbon concentrations ranged from 820 ppm in sample SB21-5 to 3,300 ppm in sample SB10-5.

Soil stockpile composite sample analytical results are presented in Table 3. TPH-G was reported at a concentration of 54 mg/kg, benzene at 0.26 mg/kg, and total oil and grease at 460 mg/kg. None of the constituents analyzed by EPA method 8010 were detected at or above the minimum laboratory detection limits in this sample.

Copies of laboratory analyses reports and chain-of-custody manifests for the soil samples collected April 1-4, 1996 are included in Appendix C.



4.0 RESULTS OF GROUNDWATER SAMPLE ANALYSES

Laboratory analytical results indicate detectable concentrations of BTEX and TPH-G in all three "grab" groundwater samples collected on April 2-4, 1996 (Table 4). The highest concentrations of TPH-G and benzene were detected at concentrations of 19,000 and 400 micrograms per liter (ug/L, equivalent to parts per billion, or ppb), respectively.

Copies of laboratory analyses reports and chain-of-custody manifests for the groundwater samples collected April 2-4, 1996 are included in Appendix C.

5.0 REFERENCES

Groundwater Technology, Inc., 1988. Report, Subsurface Hydrocarbon Investigation, Gerber Products Company, 9401 San Leandro Street, Oakland, California. October 6, 1988.

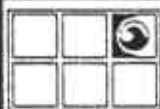
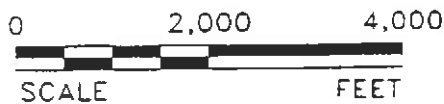


SOURCE: U.S.G.S. TOPOGRAPHIC QUADRANGLE
 SAN LEANDRO, CALIFORNIA
 7.5 MINUTE SERIES
 1959, PHOTOREVISED 1980



 SITE LOCATION

SCALE 1:24,000





GROUNDWATER
 TECHNOLOGY

SITE LOCATION MAP

CLIENT:
 CHEVRON U.S.A. PRODUCTS CO.
 FORMER SERVICE STATION NO. 9-1723

FILE: 0080SL (1:1)
 REV.

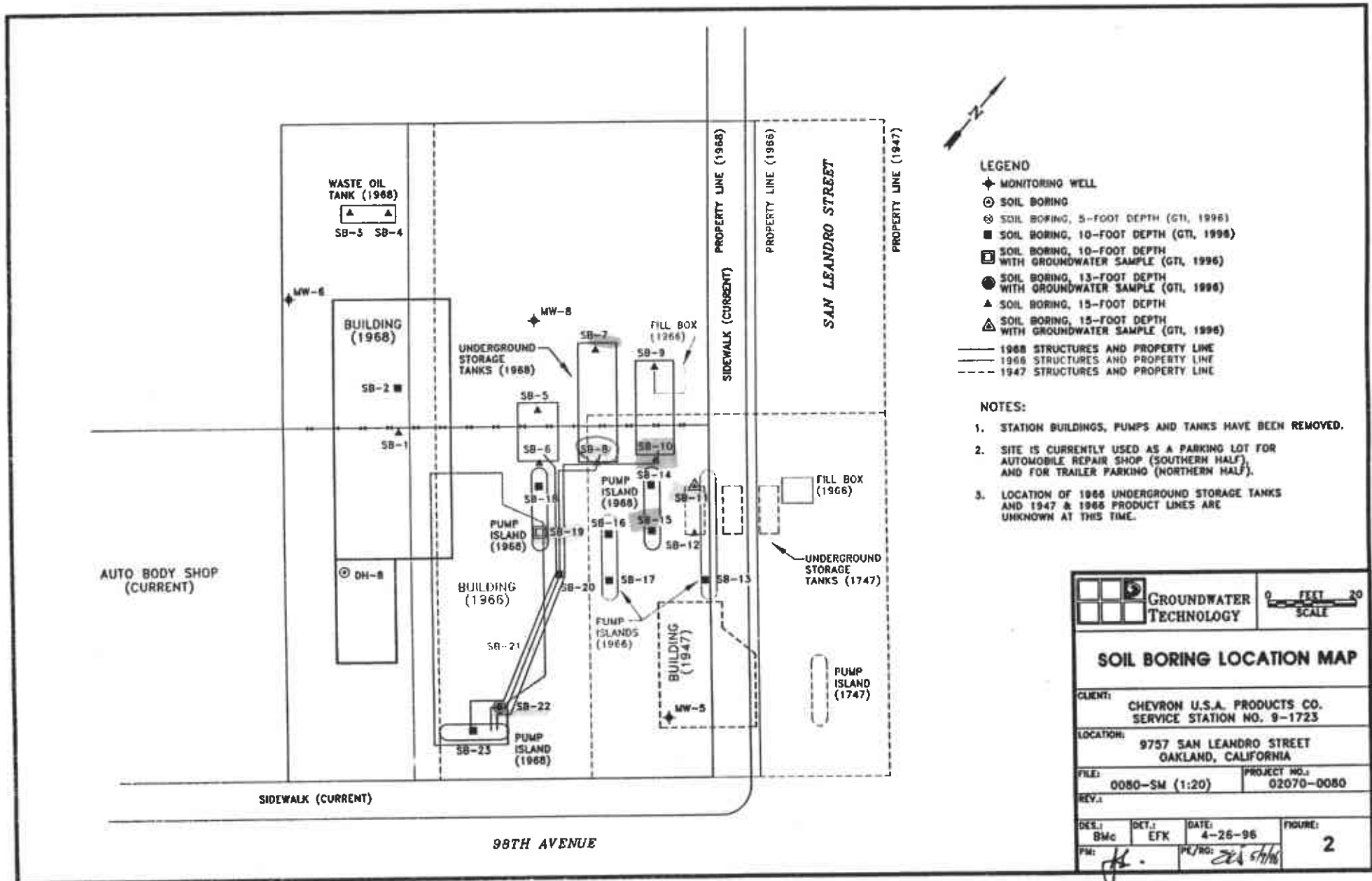
PROJECT NO.: 02070-0080

PM  PE/RG 

LOCATION:
 9757 SAN LEANDRO BOULEVARD
 OAKLAND, CALIFORNIA

DES. JF DET. AJK DATE: 11/21/94

FIGURE: 1



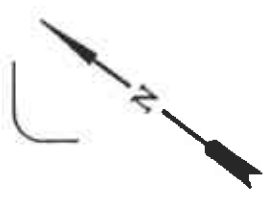
LEGEND

- ◆ MONITORING WELL
- ⊙ SOIL BORING
- SOIL BORING, 5-FOOT DEPTH (GTI, 1996)
- SOIL BORING, 10-FOOT DEPTH (GTI, 1996)
- SOIL BORING, 10-FOOT DEPTH WITH GROUNDWATER SAMPLE (GTI, 1996)
- SOIL BORING, 13-FOOT DEPTH WITH GROUNDWATER SAMPLE (GTI, 1996)
- ▲ SOIL BORING, 15-FOOT DEPTH
- △ SOIL BORING, 15-FOOT DEPTH WITH GROUNDWATER SAMPLE (GTI, 1996)
- 1968 STRUCTURES AND PROPERTY LINE
- - - 1966 STRUCTURES AND PROPERTY LINE
- - - 1947 STRUCTURES AND PROPERTY LINE

NOTES:

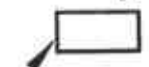
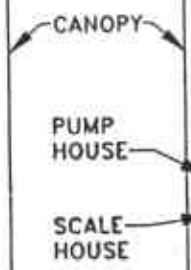
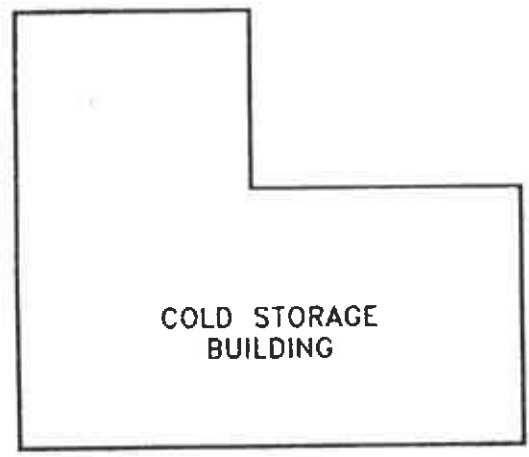
1. STATION BUILDINGS, PUMPS AND TANKS HAVE BEEN REMOVED.
2. SITE IS CURRENTLY USED AS A PARKING LOT FOR AUTOMOBILE REPAIR SHOP (SOUTHERN HALF), AND FOR TRAILER PARKING (NORTHERN HALF).
3. LOCATION OF 1966 UNDERGROUND STORAGE TANKS AND 1947 & 1966 PRODUCT LINES ARE UNKNOWN AT THIS TIME.

SOIL BORING LOCATION MAP			
CLIENT: CHEVRON U.S.A. PRODUCTS CO. SERVICE STATION NO. 9-1723			
LOCATION: 9757 SAN LEANDRO STREET OAKLAND, CALIFORNIA			
FILE: 0080-SM (1:20)		PROJECT NO.: 02070-0080	
REV.:			
DES.: BMc	DET.: EFK	DATE: 4-26-96	FIGURE: 2
PM: <i>JK</i>	PK/RO: <i>208 5/1/96</i>		



SAN LEANDRO BLVD.

FORMER CHEVRON SITE



98th AVE.

P3

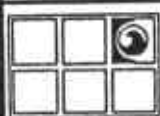
P2

P1

PRODUCTION FACILITY

LEGEND

■ WELL PUMP (SEE TEXT)



GROUNDWATER TECHNOLOGY



CLIENT:

FORMER CHEVRON STATION # 9-1723

LOCATION:

9757 SAN LEANDRO BLVD. OAKLAND, CALIFORNIA

WELL PUMP LOCATIONS FORMER GERBER FACILITY

FILE: WLFGF596

PROJECT NO.: 020700080

PM:

PE/RG:

FIGURE:

REV.: 1

DES.: BM

DET.: CY

DATE: 5/6/96

[Handwritten signature]

ZCS 5/9/96

3

Table 1
SOIL SAMPLE ANALYTICAL RESULTS
BTEX AND PETROLEUM HYDROCARBONS

APRIL 1-4, 1996

CHEVRON SERVICE STATION #9-1723
9757 SAN LEANDRO BOULEVARD, OAKLAND, CALIFORNIA

SAMPLE NUMBER	BORING	DEPTH (feet BGS)	DATE	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TPH-G (mg/kg)	TOTAL OIL AND GREASE (mg/kg)
SB-1		5	04/02/96	--	--	--	--	--	--
		10	"	1.4	0.44	8.9	28	400	78
		15	"	--	--	--	--	--	--
SB-2		5	04/01/96	--	--	--	--	--	--
		10	"	0.18	0.12	0.78	0.68	81	24
SB-3		5	04/01/96	--	--	--	--	--	--
		10	"	0.54	0.68	2.3	3.3	190	35
		15	"	--	--	--	--	--	--
SB-4		5	04/01/96	--	--	--	--	--	--
		10	"	0.59	0.52	0.14	1.1	170 a	840
		15	"	0.091	0.036	0.029	0.23	20 a	--
SB-5		5	04/01/96	--	--	--	--	--	--
		10	"	2.4	1.4	10	4.2	300	--
		15	"	--	--	--	--	--	--
SB-6		5	04/04/96	--	--	--	--	--	--
		10	"	0.57	ND<0.0050	0.42	2.3	338 a	--
		15	"	--	--	--	--	--	--
SB-7		5	04/01/96	2.2	0.58	7.7	7.9	880	--
		10	"	1.3	1.8	7.0	27	600	--
		15	"	--	--	--	--	--	--
SB-8		5	04/04/96	1.8	ND<0.0050	ND<0.0050	0.79	110 a	--
		10	"	4.6	1.1	0.78	2.1	240 a	--
		15	"	0.0054	ND<0.0050	ND<0.0050	0.042	2.1 b	--
SB-9		5	04/01/96	0.60	0.16	0.14	0.82	67	--
		10	"	--	--	--	--	--	--
		15	"	3.8	7.4	17	69	610	--
SB-10		5	04/04/96	3.7	8.9	9.9	53	450	--
		10	"	99	40	150	210	1,300	--
		15	"	0.010	0.0051	ND<0.0050	0.016	ND<1.0	--
SB-11		5	04/04/96	0.012	0.040	0.019	0.056	7.5 a	--
		10	"	1.8	ND<0.0050	9.7	3.2	550	--
		15	"	--	--	--	--	--	--
SB-12		5	04/03/96	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<1.0	--
		10	"	1.1	4.1	19	85	750	--
		15	"	--	--	--	--	--	--
SB-13		5	04/03/96	--	--	--	--	--	--
		10	"	1.8	0.81	7.4	24	340	--
SB-14		5	04/04/96	0.068	0.050	0.097	0.067	17 a	--
		10	"	5.0	28	16	82	820	--
SB-15		5	04/03/96	0.011	0.0060	ND<0.0050	0.15	2.1 a	--
		10	"	17	68	53	260	1,800	--
SB-16		5	04/03/96	0.15	ND<0.0050	0.0069	0.026	1.9	--
		10	"	8.2	1.8	28	76	760	--
SB-17		5	04/03/96	--	--	--	--	--	--
		10	"	4.3	15	38	153	1,600	--
SB-18		5	04/04/96	--	--	--	--	--	--
		10	"	5.9	4.5	2.0	5.4	480	--
SB-19		5	04/03/96	--	--	--	--	--	--
		10	"	2.3	ND<0.0050	1.1	1.5	220	--
SB-20		5	04/03/96	--	--	--	--	--	--
		10	"	3.8	1.5	17	39	510	--
SB-21		5	04/02/96	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<1.0	--
SB-22		5	04/02/96	0.027	0.0091	0.020	0.015	3.1 a	--
		10	"	0.72	0.47	4.7	0.38	110	--
SB-23		5	04/02/96	--	--	--	--	--	--
		10	"	3.4	0.29	0.85	4.6	140	--

EXPLANATION

BGS = Below ground surface
 TPH-G = Total petroleum hydrocarbons-as-gasoline
 mg/kg = milligrams per kilogram, equivalent to parts per million (ppm)
 ND = Not detected at or above the minimum detection limit shown
 a = Gasoline and unidentified hydrocarbons >C8
 b = Unidentified hydrocarbons >C8

0000TA1.V004

Table 2
SOIL SAMPLE ANALYTICAL RESULTS
PHYSICAL PARAMETERS AND TOTAL ORGANIC CARBON

APRIL 1-4, 1996

CHEVRON SERVICE STATION #9-1723
 9757 SAN LEANDRO BOULEVARD, OAKLAND, CALIFORNIA

SAMPLE NUMBER		DATE	PERCENT MOISTURE	BULK DENSITY (g/m ³)	POROSITY	TOTAL ORGANIC CARBON (mg/kg)
BORING	DEPTH (feet BGS)					
SB-3	5	04-01-96	16	2.1	34	1,100
SB-8	5	04-04-96	19	2.0	42	870
SB-10	5	04-04-96	20	1.9	44	3,300
	10	"	20	2.1	46	1,500
SB-20	10	04-03-96	18	2.0	42	870
SB-21	5	04-02-96	16	2.1	44	820

EXPLANATION

BGS = Below ground surface

g/m³ = grams per cubic meter

mg/kg = milligrams per kilogram, equivalent to parts per million (ppm)

0090STA2.WK4

Table 3
SOIL STOCKPILE COMPOSITE SAMPLE ANALYTICAL RESULTS

APRIL 1-4, 1996

CHEVRON SERVICE STATION #9-1723
 9757 SAN LEANDRO BOULEVARD, OAKLAND, CALIFORNIA

SAMPLE	DATE	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TPH-G (mg/kg)	TOTAL OIL AND GREASE * (mg/kg)	EPA METHOD 8010 (ug/L)
SS (1-6) **	04-05-96	0.26	0.46	0.66	1.9	54	460	ND < ***

EXPLANATION

TPH-G = Total petroleum hydrocarbons-as-gasoline
 mg/kg = milligrams per kilogram, equivalent to parts per million (ppm)
 * = Total oil and grease via EPA method 418.1
 ** = Composite of soil stockpile
 *** = Method detection limits vary, see laboratory analytical report

0080TA3.WK4

Table 4
GROUNDWATER SAMPLE ANALYTICAL RESULTS
BTEX AND PETROLEUM HYDROCARBONS

APRIL 1-4, 1996

CHEVRON SERVICE STATION #9-1723
 9757 SAN LEANDRO BOULEVARD, OAKLAND, CALIFORNIA

SAMPLE NUMBER	DATE	BENZENE (ug/L)	TOLUENE (ug/L)	ETHYL BENZENE (ug/L)	TOTAL XYLENES (ug/L)	TPH-G (ug/L)
SB-11	04-04-96	210	97	180	400	5,100
SB-19	04-03-96	170	30	21	34	2,300 a
SB-22	04-02-96	400	ND<0.50	110	77	19,000 b

EXPLANATION

TPH-G = Total petroleum hydrocarbons-as-gasoline
 ug/L = micrograms per liter, equivalent to parts per billion (ppb)
 ND = Not detected at or above the minimum detection limit shown
 a = Gasoline and unidentified hydrocarbons <C7
 b = Gasoline and unidentified hydrocarbons >C8

0080\NTA.VWK4

APPENDIX A
SOIL BORING PERMIT



COPY

ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

5997 PARKSIDE DRIVE PLEASANTON, CALIFORNIA 94588 (510) 484-2600

TELEFAX TRANSMITTAL

DATE: 21 Mar 96

DELIVER TO: Brian McAloon

NAME OF FIRM: Groundwater Technology

FAX PHONE #: (916) 372-8781

FROM: Wynnan Hong

NUMBER OF PAGES: 2
(Including transmittal)

FOR VOICE CONTACT CALL: (510) 484-2600
FOR RETURN FAX: (510) 462-3914

REMARKS: Drilling permit 96218 for a contamination investigation at 9757 San Leandro Boulevard in Oakland for Chevron.

RECEIVED
MAR 21 1996



ZONE 7 WATER AGENCY

5997 PARKSIDE DRIVE

PLEASANTON, CALIFORNIA 94588

VOICE (510) 484-2600

FAX (510) 462-3914

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 9757 SAN LEANDRO BLVD
OAKLAND, CALIF.

PERMIT NUMBER 96218

LOCATION NUMBER _____

CLIENT

Name CHEVRON U.S.A. PRODUCTS CO.
Address P.O. BOX 5004 Voice 510 842 9500
City SAN RAMON, CALIF. Zip 94583

PERMIT CONDITIONS

Circled Permit Requirements Apply

APPLICANT

Name BRIAN MCALOOD, FOR GROUNDWATER TECHNOLOGY Fax 916 372 8781
Address 1401 HALVARD DR. #140 Voice 916 372 4700
City WEST SACRAMENTO, CALIF. Zip 95691

A. GENERAL

1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well Projects, or drilling logs and location sketch for geotechnical projects.
3. Permit is void if project not begun within 90 days of approval date.

TYPE OF PROJECT

Well Construction	Geotechnical Investigation
Cathodic Protection _____	General _____
Water Supply _____	Contamination <u>X</u>
Monitoring _____	Well Destruction _____

B. WATER WELLS, INCLUDING PIEZOMETERS

1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

PROPOSED WATER SUPPLY WELL USE

Domestic _____ Industrial _____ Other _____
Municipal _____ Irrigation _____

3. **GEOTECHNICAL.** Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

DRILLING METHOD:

Mud Rotary _____ Air Rotary _____ Auger X
Cable _____ Other _____

- D. **CATHODIC.** Fill hole above anode zone with concrete placed by tremie.

DRILLER'S LICENSE NO. C57-522125

- E. **WELL DESTRUCTION.** See attached.

WELL PROJECTS

Drill Hole Diameter _____ in.	Maximum _____ ft.
Casing Diameter _____ in.	Depth _____ ft.
Surface Seal Depth _____ ft.	Number _____

GEOTECHNICAL PROJECTS

Number of Borings <u>23</u>	Maximum _____
Hole Diameter <u>8</u> in.	Depth <u>15</u> ft.

ESTIMATED STARTING DATE APRIL 8, 1996

ESTIMATED COMPLETION DATE APRIL 12, 1996

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

Approved Wyman Hong Date 21 Mar 96
Wyman Hong

APPLICANT'S

SIGNATURE [Signature] Date 3-12-96

APPENDIX B
DRILLING LOGS



Project Chevron - Oakland Owner Chevron U.S.A. Products Company
 Location 9757 San Leandro Boulevard, Oakland, CA Proj. No. 02070 0080
 Surface Elev. _____ Total Hole Depth 16.5 ft. Diameter _____
 Top of Casing _____ Water Level Initial 14.5 ft. Static _____
 Screen: Dia _____ Length _____ Type/Size _____
 Casing: Dia _____ Length _____ Type _____
 Fill Material Neat Cement Rig/Core CME-55
 Drill Co. BAEC Method Hollow Stem Auger
 Driller Scott Fitch Log By Terry James Date 04/02/96 Permit # 96218
 Checked By Ed Simonis License No. RG#4422

See Site Map
For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID Blow Count/ X Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
					-2
0					3" asphalt.
2					Sandy silty CLAY (10,20,70): greenish gray, plastic, slightly damp, no hydrocarbon odor.
4				CL	
6	6	SB-1 -6'	3 6 10		Silty CLAY (20,80): greenish gray, slightly plastic, moist, soft, hydrocarbon odor.
8					
10	934	SB-1 -11'	4 4 7	CL	
12					
14				CL	Silty CLAY (30,70): light yellowish brown, plastic, wet, no hydrocarbon odor, with trace fine SAND, stiff, trace blue green mottling. <i>Encountered Water, 04/02/96 1135 hrs.</i>
16	0	SB-1 -16'	6 8 11	CL	End of Boring.
18					
20					
22					
24					



Project Chevron - Oakland Owner Chevron U.S.A. Products Company
 Location 9757 San Leandro Boulevard, Oakland, CA Proj. No. 02070 0080
 Surface Elev. _____ Total Hole Depth 11.5 ft. Diameter _____
 Top of Casing _____ Water Level Initial _____ Static _____
 Screen: Dia _____ Length _____ Type/Size _____
 Casing: Dia _____ Length _____ Type _____
 Fill Material Neat Cement Rig/Core CME-55
 Drill Co. BAEC Method Hollow Stem Auger
 Driller Scott Fitch Log By Terry James Date 04/01/96 Permit # 96218
 Checked By Ed Simonis License No. RG#4422

See Site Map
For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID	Blow Count/ X Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
						-2
0					GM	
2					CL	Sandy CLAY (20,80): dark gray, damp, slightly stiff, no hydrocarbon odor.
4						
6	3	SB-2 -6"	3 5 7			Clayey SILT (30,70): greenish gray, hydrocarbon odor.
8						
10	79	SB-2 -11"	3 4 7		ML	
12						End of Boring.
14						
16						
18						
20						
22						
24						



Project Chevron - Oakland Owner Chevron U.S.A. Products Company
 Location 9757 San Leandro Boulevard, Oakland, CA Proj. No. 02070 0080
 Surface Elev. _____ Total Hole Depth 16.5 ft. Diameter _____
 Top of Casing _____ Water Level Initial 14.5 ft. Static _____
 Screen: Dia _____ Length _____ Type/Size _____
 Casing: Dia _____ Length _____ Type _____
 Fill Material Neat Cement Rig/Core CME-45
 Drill Co. BAEC Method Hollow Stem Auger
 Driller Scott Fitch Log By Terry James Date 04/01/96 Permit # 96218
 Checked by Ed Simonis License No. RG#4422

See Site Map
For Boring Location

COMMENTS:

North end of site.

Depth (ft.)	PID (ppm)	Sample ID	Blow Count/ x Recovery	Graphic Log	USCS Class.	Description
						(Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2						
0					GM	3" asphalt.
0						Backfill to 1".
2						CLAY with traces silt: black, plastic, damp.
4					CL	Sandy silty CLAY (20,20,60): dark gray, plastic, slightly damp, no hydrocarbon odor.
6	1	SB-3 -6"	3 5 9			Clayey SILT (50,50): greenish gray, very moist, soft, moderate hydrocarbon odor.
8						
10	725	SB-3 -11"	3 5 8		ML/CL	Clayey SILT (30,70): greenish gray, moist, no hydrocarbon odor.
12						
14						Encountered Water, 04/01/96 1015 hrs.
16	5	SB-3 -16"	6 7 11		ML	(grades yellowish brown)
16						End of Boring.
18						
20						
22						
24						



**GROUNDWATER
TECHNOLOGY**

Drilling Log

Soil Boring **SB-4**

Project Chevron - Oakland Owner Chevron U.S.A. Products Company
 Location 9757 San Leandro Boulevard, Oakland, CA Proj. No. 02070 0080
 Surface Elev. _____ Total Hole Depth 16.5 ft. Diameter _____
 Top of Casing _____ Water Level Initial _____ Static _____
 Screen: Dia _____ Length _____ Type/Size _____
 Casing: Dia _____ Length _____ Type _____
 Fill Material Neat Cement Rig/Core CME-55
 Drill Co. BAEC Method Hollow Stem Auger
 Driller Scott Fitch Log By Terry James Date 04/01/96 Permit # 96218
 Checked By Ed Simonis License No. RG#4422

See Site Map
For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID Blow Count/ % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
					-2
0				GM	Asphalt. Backfill.
2				SW	Fine SAND.
4					
6	39	SB-4 -6" 1 2 1		CL	CLAY: Very dark gray, damp, very soft, hydrocarbon odor.
8					
10	277	SB-4 -11" 4 4 7		CL	Silty CLAY (30,70): greenish gray, very plastic, slightly stiff, hydrocarbon odor.
12					
14					
16	23	SB-4 -16" 5 7 7		CL	Pebbly, sandy, silty CLAY (10,20,30,40): yellow-brown, with greenish gray staining, hydrocarbon odor.
18					End of Boring.
20					
22					
24					



**GROUNDWATER
TECHNOLOGY**

Drilling Log

Soil Boring **SB-5**

Project Chevron - Oakland Owner Chevron U.S.A. Products Company
 Location 9757 San Leandro Boulevard, Oakland, CA Proj. No. 02070 0080
 Surface Elev. _____ Total Hole Depth 16.5 ft. Diameter 8 1/4 in.
 Top of Casing _____ Water Level Initial _____ Static _____
 Screen: Dia _____ Length _____ Type/Size _____
 Casing: Dia _____ Length _____ Type _____
 Fill Material Neat Cement Rig/Core CME-55
 Drill Co. BAEC Method Hollow Stem Auger
 Driller Scott Fitch Log By Terry James Date 04/01/96 Permit # 96218
 Checked by Ed Simonis License No. RG#4422

See Site Map
For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID Blow Count/ % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%. And 35% to 50%
					-2
0				GM	Asphalt. Backfill.
2					
4					Sandy silty CLAY (15,15,70): dark gray, plastic, slight hydrocarbon odor.
6	2	SB-5 -6"			
8				CL	
10	137	SB-5 -11"			Silty CLAY (30,70): greenish gray, plastic, hydrocarbon odor.
12					
14					Pebbly, sandy, silty CLAY (10,20,30,40): yellowish brown with greenish gray mottling, plastic, moist, hydrocarbon odor.
16	13	SB-5 -16"			End of Boring.
18					
20					
22					
24					



Project Chevron - Oakland Owner Chevron U.S.A. Products Company
 Location 9757 San Leandro Boulevard, Oakland, CA Proj. No. 02070 0080
 Surface Elev. _____ Total Hole Depth 16.5 ft. Diameter _____
 Top of Casing _____ Water Level Initial 14 ft. Static _____
 Screen: Dia _____ Length _____ Type/Size _____
 Casing: Dia _____ Length _____ Type _____
 Fill Material Neat Cement Rig/Core CME-45
 Drill Co. BAEC Method Hollow Stem Auger
 Driller Scott Fitch Log By Terry James Date 04/04/96 Permit # 96218
 Checked By Ed Simonis License No. RG#4422

See Site Map
For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID Blow Count/ X Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
					-2
0				GC	Fill.
2				CL	Sandy CLAY (30,70): very dark gray, plastic, no hydrocarbon odor.
4					
6	7	SB-6 -6'			
8				ML/CL	Clayey SILT (50,50): dark greenish gray, damp to moist, soft, hydrocarbon odor.
10	2510	SB-6 -11'			
12					
14				SC	Encountered Water, 04/04/96 Clayey silty fine SAND (20,30,50): trace gravel clasts, well rounded, wet, no hydrocarbon odor.
16	0	SB-6 -16'			End of Boring.
18					
20					
22					
24					



Project Chevron - Oakland Owner Chevron U.S.A. Products Company
 Location 9757 San Leandro Boulevard, Oakland, CA Proj. No. 02070 0080
 Surface Elev. _____ Total Hole Depth 16.5 ft. Diameter _____
 Top of Casing _____ Water Level Initial _____ Static _____
 Screen: Dia _____ Length _____ Type/Size _____
 Casing: Dia _____ Length _____ Type _____
 Fill Material Neat Cement Rig/Core CME-45
 Drill Co. BAEC Method Hollow Stem Auger
 Driller Scott Fitch Log By Terry James Date 04/01/96 Permit # 96218
 Checked By Ed Simonis License No. RG#4422

See Site Map
For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID Blow Count/ X Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
					-2
0					Gravelly sandy CLAY (10,30,60): greenish gray, wet, soft, no hydrocarbon odor.
2					
4				CL	
6	77	SB-7 -6'	3 5 5		
8					
10	808	SB-7 -11'	2 3 5	CL/M	Silty CLAY (40,60): greenish gray, root casts, slightly plastic, damp, soft, strong hydrocarbon odor.
12					
14					
16	14	SB-7 -16'	4 5 6		Pebbly, sandy, silty CLAY (20,20,30,30): greenish gray.
18					End of Boring.
20					
22					
24					



Drilling Log

Soil Boring **SB-8**

Project Chevron - Oakland Owner Chevron U.S.A. Products Company
 Location 9757 San Leandro Boulevard, Oakland, CA Proj. No. 02070 0080
 Surface Elev. _____ Total Hole Depth 16.5 ft. Diameter _____
 Top of Casing _____ Water Level Initial _____ Static _____
 Screen: Dia _____ Length _____ Type/Size _____
 Casing: Dia _____ Length _____ Type _____
 Fill Material Neat Cement Rig/Core CME-45
 Drill Co. BAEC Method Hollow Stem Auger
 Driller Scott Fitch Log By Terry James Date 04/01/96 Permit # 96218
 Checked By Ed Simonis License No. RG#4422

See Site Map
For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID	Blow Count/ X Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
						-2
0						Asphalt.
2						Sandy CLAY (30,70): black, plastic, moist, stiff.
4					CL	
6	MAX	SB-8 -6'	3 4 8			(strong hydrocarbon odor)
8						Silty CLAY (30,70): dark greenish gray, moist, free product
10	MAX	SB-8 -11'	4 5 6		CL	
12						Gravelly clayey SAND (10,30,60): dark greenish gray, wet, loose, poorly sorted, hydrocarbon odor.
14					SC	
16	19	SB-8 -16'	5 6 8		CL	Silty CLAY (40,60): greenish gray, plastic, stiff, hydrocarbon odor.
18						End of Boring.
20						
22						
24						



Project Chevron - Oakland Owner Chevron U.S.A. Products Company
 Location 9757 San Leandro Boulevard, Oakland, CA Proj. No. 02070 0080
 Surface Elev. _____ Total Hole Depth 16.5 ft. Diameter _____
 Top of Casing _____ Water Level Initial _____ Static _____
 Screen: Dia _____ Length _____ Type/Size _____
 Casing: Dia _____ Length _____ Type _____
 Fill Material Neat Cement Rig/Core CME-45
 Drill Co. BAEC Method Hollow Stem Auger
 Driller Scott Fitch Log By Terry James Date 04/01/96 Permit # 96218
 Checked By Ed Simonis License No. RG#4422

See Site Map
For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID Blow Count/ x Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
					-2
0				GM	Asphalt over base course.
2				GW	GRAVEL.
4					Fine sand backfill: black, wet, hydrocarbon odor.
6	148	SB-9 -8' 3 4 3		SW	
8					Silty CLAY (40,60): greenish gray, plastic, wet, soft, strong hydrocarbon odor.
10	190	SB-9 -11' 3 4 6		CL/M	
14					Clayey, pebbly, silty SAND (10,20,20,50): greenish gray, wet, soft, no hydrocarbon odor.
16	4	SB-9 -16' 5 5 6		SM	
18					End of Boring.
20					
22					
24					



Project Chevron - Oakland Owner Chevron U.S.A. Products Company
 Location 9757 San Leandro Boulevard, Oakland, CA Proj. No. 02070 0080
 Surface Elev. _____ Total Hole Depth 16.5 ft. Diameter _____
 Top of Casing _____ Water Level Initial 14 ft. Static _____
 Screen: Dia _____ Length _____ Type/Size _____
 Casing: Dia _____ Length _____ Type _____
 Fill Material Neat Cement Rig/Core CME-45
 Drill Co. BAEC Method Hollow Stem Auger
 Driller Donny Log By Terry James Date 04/04/96 Permit # 96218
 Checked By Ed Simonis License No. RG#4422

See Site Map
For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID	Blow Count/ X Recovery	Graphic Log	USCS Class.	Description
						(Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2						
0					GC	Asphalt.
2						Fill.
4					CL	Sandy CLAY (30,70): dark gray, plastic, slightly damp, soft, hydrocarbon odor.
6	2588	SB-10 -6'	3 4 6		CL	
8						Clayey SILT (50,50): dark greenish gray, slightly plastic, moist, soft, hydrocarbon odor.
10	2462	SB-10 -11'	4 5 6		ML/CL	Gravelly clayey SAND (20,30,50): dark greenish gray, wet, poorly sorted.
12					SC	
14						Encountered Water, 04/04/96
16	19	SB-10 -16'	3 6 9		CL	Silty CLAY (20,80): dark greenish gray, plastic, slightly moist, stiff, no hydrocarbon odor.
18						End of Boring.
20						
22						
24						



Project Chevron - Oakland Owner Chevron U.S.A. Products Company
 Location 9757 San Leandro Boulevard, Oakland, CA Proj. No. 02070 0080
 Surface Elev. _____ Total Hole Depth 16.5 ft. Diameter _____
 Top of Casing _____ Water Level Initial _____ Static _____
 Screen: Dia _____ Length _____ Type/Size _____
 Casing: Dia _____ Length _____ Type _____
 Fill Material Neat Cement Rig/Core CME-55
 Drill Co. BAEC Method Hollow Stem Auger
 Driller Scott Fitch Log By Terry James Date _____ Permit # 96218
 Checked By Ed Simonis License No. RG#4422

See Site Map
For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID	Blow Count/ x Recovery	Graphic Log	USCS Class.	Description
						(Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2						
0					GC	Asphalt.
2					SC	Gravelly clayey medium to coarse SAND (20,30,50): black, slightly plastic, moist, soft, hydrocarbon odor.
4						
6	143	SB-11 -6'	2 2 2		SC	Sandy silty CLAY (10,40,50): dark greenish gray, plastic, moist, soft, strong hydrocarbon odor.
8						
10	1779	SB-11 -11'	4 4 5		CL/ML	Clayey silty SAND (20,20,60): trace fine gravel, dark greenish gray, wet, soft, no hydrocarbon odor.
12						
14						
16	13	SB-11 -16'	5 5 7		SC	End of Boring.
18						
20						
22						
24						



Project Chevron - Oakland Owner Chevron U.S.A. Products Company
 Location 9757 San Leandro Boulevard, Oakland, CA Proj. No. 02070 0080
 Surface Elev. _____ Total Hole Depth 16.5 ft. Diameter _____
 Top of Casing _____ Water Level Initial 14 ft. Static _____
 Screen: Dia _____ Length _____ Type/Size _____
 Casing: Dia _____ Length _____ Type _____
 FW Material Neat Cement Rig/Core CME-55
 Drill Co. BAEC Method Hollow Stem Auger
 Driller Scott Fitch Log By Terry James Date 04/03/96 Permit # 96218
 Checked By Ed Simonis License No. RG#4422

See Site Map
For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID	Blow Count/ X Recovery	Graphic Log	USCS Class.	Description
						(Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2						
0					GC	Asphalt.
2					CL	Sandy CLAY (30,70): dark gray, plastic, slightly damp, faint hydrocarbon odor.
4	167	SB-12 -6"	3 5 9		CL	
6					ML/CL	Clayey SILT (50,50): dark greenish gray, slightly plastic, moist, soft, strong hydrocarbon odor.
8	958	SB-12 -11"	3 4 5		ML/CL	
10					SP	Silty fine to medium SAND: greenish gray, wet, soft. Redrilled to 15' on 04/04/96 adjacent to SB-12 drilled 04/03/96. Encountered Water, 04/03/96
12	9	SB-12 -16"	3 6 8		ML	Clayey SILT (30,70): greenish gray, plastic, wet, slightly stiff, no hydrocarbon odor.
14						
16						End of Boring.
18						
20						
22						
24						



**GROUNDWATER
TECHNOLOGY**

Drilling Log

Soil Boring SB-13

Project Chevron - Oakland Owner Chevron U.S.A. Products Company
 Location 9757 San Leandro Boulevard, Oakland, CA Proj. No. 02070 0080
 Surface Elev. _____ Total Hole Depth 11.5 ft. Diameter _____
 Top of Casing _____ Water Level Initial _____ Static _____
 Screen: Dia _____ Length _____ Type/Size _____
 Casing: Dia _____ Length _____ Type _____
 Fill Material Neat Cement Rig/Core CME-45
 Drill Co. BAEC Method Hollow Stem Auger
 Driller Scott Fitch Log By Terry James Date 04/03/96 Permit # 96218
 Checked By Ed Simonis License No. RG#4422

See Site Map
For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID Blow Count/ X Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%. And 35% to 50%
					-2
0					Asphalt.
2					Silty CLAY (20,80): green gray to black, stiff to slightly stiff, slightly damp.
4				CL	
6	4	SB-13 -6"	4 6 10		
8					Clayey SILT (40,60): dark greenish gray, slightly plastic to plastic, moist, soft, strong hydrocarbon odor.
10	1752	SB-13 -11"	3 4 6	ML/CL	
12					End of Boring.
14					
16					
18					
20					
22					
24					



Project Chevron - Oakland Owner Chevron U.S.A. Products Company
 Location 9757 San Leandro Boulevard, Oakland, CA Proj. No. 02070 0080
 Surface Elev. _____ Total Hole Depth 11.5 ft. Diameter _____
 Top of Casing _____ Water Level Initial _____ Static _____
 Screen: Dia _____ Length _____ Type/Size _____
 Casing: Dia _____ Length _____ Type _____
 Fill Material Neat Cement Rig/Core CME-55
 Drill Co. BAEC Method Hollow Stem Auger
 Driller Donny Log By Terry James Date 04/04/96 Permit # 96218
 Checked By Ed Simonis License No. RG#4422

See Site Map
For Boring Location

COMMENTS:





Depth (ft.)	PID (ppm)	Sample ID Blow Count/ % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
					-2
0				GC	Asphalt over base course.
2					Sandy CLAY (30,70): very dark gray, plastic, slightly damp, stiff, hydrocarbon odor.
4				CL	
6	276	SB-14 -8'	4 6 9		
8					
10	1953	SB-14 -11'	3 5 6	ML/CL	Silty CLAY (40,60): dark greenish gray, slightly plastic, moist, soft.
12					End of Boring.
14					
16					
18					
20					
22					
24					



Project Chevron - Oakland Owner Chevron U.S.A. Products Company
 Location 9757 San Leandro Boulevard, Oakland, CA Proj. No. 02070 0080
 Surface Elev. _____ Total Hole Depth 11.5 ft. Diameter _____
 Top of Casing _____ Water Level Initial _____ Static _____
 Screen: Dia _____ Length _____ Type/Size _____
 Casing: Dia _____ Length _____ Type _____
 Fill Material Neat Cement Rig/Core CME-55
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 Driller Scott Fitch Log By Terry James Date 04/03/96 Permit # 96218
 Checked By Ed Simonis License No. RG#4422

See Site Map
For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID	Blow Count/ X Recovery	Graphic Log	USCS Class.	Description
						(Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2						
0						Asphalt.
2					CL	Silty CLAY (20,80): black, plastic, slightly damp, slightly stiff, faint hydrocarbon odor.
4						
6	351	SB-15 -6"	3 5 9		CL	
8						
10	2215	SB-15 -11"	3 4 6		M/C	Clayey SILT (40,60): dark greenish gray, slightly plastic, moist, soft, strong hydrocarbon odor.
12						End of Boring.
14						
16						
18						
20						
22						
24						



Project Chevron - Oakland Owner Chevron U.S.A. Products Company
 Location 9757 San Leandro Boulevard, Oakland, CA Proj. No. 02070 0080
 Surface Elev. _____ Total Hole Depth 11.5 ft. Diameter _____
 Top of Casing _____ Water Level Initial _____ Static _____
 Screen: Dia _____ Length _____ Type/Size _____
 Casing: Dia _____ Length _____ Type _____
 Fill Material Neat Cement Rig/Core CME-45
 Drill Co. BAEC Method Hollow Stem Auger
 Driller Scott Fitch Log By Terry James Date _____ Permit # 96218
 Checked By Ed Simonis License No. RG#4422

See Site Map
For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID	Blow Count/ x Recovery	Graphic Log	USCS Class.	Description
						(Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2						
0						Asphalt, backfill SAND: green, very strong odor.
2					SM	
4					CL	Silty CLAY (30,70): greenish black, plastic, damp, hydrocarbon odor.
6	80	SB-16 -6'	2 5 10			
8					ML/CL	Clayey SILT (40,60): dark greenish gray, moist, strong hydrocarbon odor.
10	1219	SB-16 -11'	4 6 8			
12						End of Boring.
14						
16						
18						
20						
22						
24						



**GROUNDWATER
TECHNOLOGY**

Drilling Log

Soil Boring SB-17

Project Chevron - Oakland Owner Chevron U.S.A. Products Company
 Location 9757 San Leandro Boulevard, Oakland, CA Proj. No. 02070 0080
 Surface Elev. _____ Total Hole Depth 11.5 ft. Diameter _____
 Top of Casing _____ Water Level Initial _____ Static _____
 Screen: Dia _____ Length _____ Type/Size _____
 Casing: Dia _____ Length _____ Type _____
 Fill Material Neat Cement Rig/Core CME-45
 Drill Co. BAEC Method Hollow Stem Auger
 Driller Scott Fitch Log By Terry James Date 04/03/96 Permit # 96218
 Checked By Ed Simonis License No. RG#4422

See Site Map
For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID	Blow Count/ X Recovery	Graphic Log	USCS Class.	Description
						(Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2						
0						Asphalt.
2						Silty CLAY (20,80): dark green gray, plastic, damp, slight hydrocarbon odor.
4					CL	
6	2	SB-17 -6"	5 7 8			
8						Clayey SILT (40,60): dark greenish gray, slightly plastic, moist, strong hydrocarbon odor.
10	1320	SB-17 -11"			ML/CL	
12						End of Boring.
14						
16						
18						
20						
22						
24						



Project Chevron - Oakland Owner Chevron U.S.A. Products Company
 Location 9757 San Leandro Boulevard, Oakland, CA Proj. No. 02070 0080
 Surface Elev. _____ Total Hole Depth 11.5 ft. Diameter _____
 Top of Casing _____ Water Level Initial _____ Static _____
 Screen: Dia _____ Length _____ Type/Size _____
 Casing: Dia _____ Length _____ Type _____
 Fill Material Neat Cement Rig/Core CME-45
 Drill Co. BAEC Method Hollow Stem Auger
 Driller Scott Fitch Log By Terry James Date 04/04/96 Permit # 96218
 Checked By Ed Simonis License No. RG#4422

See Site Map
For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID	Blow Count/ % Recovery	Graphic Log	USCS Class.	Description
						(Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2						
0						Asphalt.
2						Sandy CLAY (40,60): greenish black, plastic, slightly damp, no hydrocarbon odor.
4					CL	
6	7	SB-18 -6"	4 5 7			
8						
10	1440	SB-18 -11"	4 6 7		CL/M	Silty CLAY (40,60): dark greenish gray, slightly plastic, moist, strong hydrocarbon odor.
12						End of Boring.
14						
16						
18						
20						
22						
24						



Project Chevron - Oakland Owner Chevron U.S.A. Products Company
 Location 9757 San Leandro Boulevard, Oakland, CA Proj. No. 02070 0080
 Surface Elev. _____ Total Hole Depth 11.5 ft. Diameter _____
 Top of Casing _____ Water Level Initial _____ Static _____
 Screen: Dia _____ Length _____ Type/Size _____
 Casing: Dia _____ Length _____ Type _____
 Fill Material Neat Cement Rig/Core CME-55
 Drill Co. BAEC Method Hollow Stem Auger
 Driller Scott Fitch Log By Terry James Date _____ Permit # 96218
 Checked By Ed Simonis License No. RG#4422

See Site Map
For Boring Location

COMMENTS:

Depth (ft.)	PTO (ppm)	Sample ID Blow Count/ X Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
					-2
0					Asphalt.
2					Silty CLAY (30,70): very dark gray, plastic, damp, stiff.
4				CL	
6	33	SB-19 -6"	4 7 8		
8					
10	3000	SB-19 -11"	4 6 7	M/C	Clayey SILT (50,50): greenish gray, slightly plastic, moist, soft, strong hydrocarbon odor.
12					End of Boring.
14					
16					
18					
20					
22					
24					



Project Chevron - Oakland Owner Chevron U.S.A. Products Company
 Location 9757 San Leandro Boulevard, Oakland, CA Proj. No. 02070 0080
 Surface Elev. _____ Total Hole Depth 11.5 ft. Diameter _____
 Top of Casing _____ Water Level Initial _____ Static _____
 Screen: Dia _____ Length _____ Type/Size _____
 Casing: Dia _____ Length _____ Type _____
 Fill Material Neat Cement Rig/Core CME-55
 Drill Co. BAEC Method Hollow Stem Auger
 Driller Scott Fitch Log By Terry James Date _____ Permit # 96218
 Checked By Ed Simonis License No. RG#4422

See Site Map
For Boring Location

COMMENTS:




Depth (ft.)	PID (ppm)	Sample ID	Blow Count/ X Recovery	Graphic Log	USCS Class.	Description
						(Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2						
0					GM	Asphalt. Peagravel backfill, wet, free water.
2					CL	Silty CLAY (30,70): very dark gray, plastic, wet, stiff.
4						
6	48	SB-20 -6"	2 4 7		ML	Silty CLAY (40,60): greenish gray, plastic, wet, soft, strong hydrocarbon odor.
8						
10	3000	SB-20 -11"	4 5 7		ML	End of Boring.
12						
14						
16						
18						
20						
22						
24						



Project Chevron - Oakland Owner Chevron U.S.A. Products Company
 Location 9757 San Leandro Boulevard, Oakland, CA Proj. No. 02070 0080
 Surface Elev. _____ Total Hole Depth 6.5 ft. Diameter _____
 Top of Casing _____ Water Level Initial _____ Static _____
 Screen: Dia _____ Length _____ Type/Size _____
 Casing: Dia _____ Length _____ Type _____
 Fill Material Neat Cement Rig/Core CME-45
 Drill Co. BAEC Method Hollow Stem Auger
 Driller Scott Fitch Log By Terry James Date 04/02/96 Permit # 96218
 Checked By Ed Simonis License No. RG#4422

See Site Map
For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID	Blow Count/ x Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
						Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2						
0						Asphalt.
2					CL	Sandy silty CLAY (10,20,70): dark gray, plastic, damp, slightly stiff, no hydrocarbon odor.
4						
6	2	SB-21 -6"	3 7 8			End of Boring.
8						
10						
12						
14						
16						
18						
20						
22						
24						



Project Chevron - Oakland Owner Chevron U.S.A. Products Company
 Location 9757 San Leandro Boulevard, Oakland, CA Proj. No. 02070 0080
 Surface Elev. _____ Total Hole Depth 11.5 ft. Diameter _____
 Top of Casing _____ Water Level Initial _____ Static _____
 Screen: Dia _____ Length _____ Type/Size _____
 Casing: Dia _____ Length _____ Type _____
 F# Material Neat Cement Rig/Core CME-45
 Drill Co. BAEC Method Hollow Stem Auger
 Driller Scott Fitch Log By Terry James Date 04/02/96 Permit # 96218
 Checked By Ed Simonis License No. RG#4422

See Site Map
For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID Blow Count/ % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
					-2
0				GM	Asphalt over base course.
2				SC	Clayey, silty, fine SAND (30,30,40); very dark green gray, stiff, degraded hydrocarbon odor.
4	557	3 7 10		SC	
6	SB-22 -6"				
8				CL	(grades sandy silty CLAY (20,30,50))
10	654	3 4 7		CL	
12	SB-22 -11"				End of Boring.
14					
16					
18					
20					
22					
24					



Project Chevron - Oakland Owner Chevron U.S.A. Products Company
 Location 9757 San Leandro Boulevard, Oakland, CA Proj. No. 02070 0080
 Surface Elev. _____ Total Hole Depth 11.5 ft. Diameter _____
 Top of Casing _____ Water Level Initial _____ Static _____
 Screen: Dia _____ Length _____ Type/Size _____
 Casing: Dia _____ Length _____ Type _____
 Fill Material Neat Cement Rig/Core CME-55
 Drill Co. BAEC Method Hollow Stem Auger
 Driller Scott Fitch Log By Terry James Date 04/02/96 Permit # 96218
 Checked By Ed Simonis License No. RG#4422

See Site Map
For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID Blow Count/ % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
					-2
0					Asphalt.
2					Silty CLAY (40,60): dark green gray, plastic, damp, stiff.
4				CL	
6	17	SB-23 -6"	4 8 10		
8					(grades silty CLAY (20,80): gray)
10	216	SB-23 -11"	2 4 6	CL	
12					End of Boring.
14					
16					
18					
20					
22					
24					

4/15/96

APPENDIX C

LABORATORY REPORTS AND CHAIN-OF-CUSTODY MANIFESTS



Sequoia Analytical

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FAX (510) 988-9673
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Groundwater Technology
1401 Halyard Dr., Ste. 140
West Sacramento, CA 95691
Attention: Jim Grasty

Client Project ID: Chevron #9-1723
Sample Matrix: Soil
Analysis Method: EPA 5030/8015 Mod./8020
First Sample #: 604-0541

Sampled: Apr 4, 1996
Received: Apr 5, 1996
Reported: Apr 15, 1996

QC Batch Number: SP041096

8020EXA

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit mg/kg	Sample I.D. 604-0541 SS (1-6)
Purgeable Hydrocarbons	1.0	54
Benzene	0.0050	0.26
Toluene	0.0050	0.46
Ethyl Benzene	0.0050	0.66
Total Xylenes	0.0050	1.9

Chromatogram Pattern: Gasoline

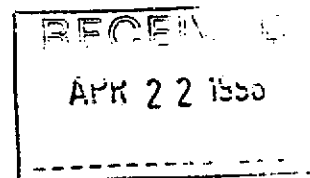
Quality Control Data

Report Limit Multiplication Factor:	5.0
Date Analyzed:	4/10/96
Instrument Identification:	HP-5
Surrogate Recovery, %: (QC Limits = 70-130%)	83

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


Kenneth L. Warner
Project Manager



604-0541.GTI <1>



Groundwater Technology
1401 Halyard Dr., Ste. 140
West Sacramento, CA 95691
Attention: Jim Grasty

Client Project ID: Chevron #9-1723
Sample Descript: Soil, ss (1-6)
Analysis Method: EPA 5030/8010
Lab Number: 604-0541

Sampled: Apr 5, 1996
Received: Apr 5, 1996
Analyzed: Apr 10, 1996
Reported: Apr 15, 1996

QC Batch Number: GC041096060106A

Instrument ID: HP-6

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane.....	100	N.D.
Bromoform.....	100	N.D.
Bromomethane.....	200	N.D.
Carbon tetrachloride.....	100	N.D.
Chlorobenzene.....	100	N.D.
Chloroethane.....	200	N.D.
2-Chloroethylvinyl ether.....	200	N.D.
Chloroform.....	100	N.D.
Chloromethane.....	200	N.D.
Dibromochloromethane.....	100	N.D.
1,2-Dichlorobenzene.....	100	N.D.
1,3-Dichlorobenzene.....	100	N.D.
1,4-Dichlorobenzene.....	100	N.D.
1,1-Dichloroethane.....	100	N.D.
1,2-Dichloroethane.....	100	N.D.
1,1-Dichloroethene.....	100	N.D.
cis-1,2-Dichloroethene.....	100	N.D.
trans-1,2-Dichloroethene.....	100	N.D.
1,2-Dichloropropane.....	100	N.D.
cis-1,3-Dichloropropene.....	100	N.D.
trans-1,3-Dichloropropene.....	100	N.D.
Methylene chloride.....	1,000	N.D.
1,1,2,2-Tetrachloroethane.....	100	N.D.
Tetrachloroethene.....	100	N.D.
1,1,1-Trichloroethane.....	100	N.D.
1,1,2-Trichloroethane.....	100	N.D.
Trichloroethene.....	100	N.D.
Trichlorofluoromethane.....	100	N.D.
Vinyl chloride.....	200	N.D.
Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50 150.....	61
4-Bromofluorobenzene.....	50 150.....	95

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271


Kenneth L. Wimer
Project Manager



Groundwater Technology
1401 Halyard Dr., Ste. 140
West Sacramento, CA 95691
Attention: Jim Grasty

Client Project ID: Chevron #9-1723
Matrix Descript: Soil
Analysis Method: EPA 418.1 (I.R. with clean-up)
First Sample #: 604-0541

Sampled: Apr 4, 1996
Received: Apr 5, 1996
Extracted: Apr 10, 1996
Analyzed: Apr 10, 1996
Reported: Apr 15, 1996

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Sample Number	Sample Description	Petroleum Oil mg/kg (ppm)	D.L. Mult. Factor	QC Batch Number	Instrument ID
604-0541	SS (1-6)	460	1.0	SP041096411MDA	Miran 1A

Detection Limits:

5.0

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

SEQUOIA ANALYTICAL, #1271


Kenneth Wimer
Project Manager



Groundwater Technology
1401 Halyard Dr., Ste. 140
West Sacramento, CA 95691
Attention: Jim Grasty

Client Project ID: Chevron #9-1723
Matrix: Solid

QC Sample Group: 6040541

Reported: Apr 15, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	SP041096	SP041096	SP041096	SP041096
	8020EXA	8020EXA	8020EXA	8020EXA
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	K. Nill	K. Nill	K. Nill	K. Nill
MS/MSD #:	6040457	6040457	6040457	6040457
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	4/10/96	4/10/96	4/10/96	4/10/96
Analyzed Date:	4/10/96	4/10/96	4/10/96	4/10/96
Instrument I.D.#:	HP-5	HP-5	HP-5	HP-5
Conc. Spiked:	0.40 mg/kg	0.40 mg/kg	0.40 mg/kg	1.2 mg/kg
Result:	0.39	0.39	0.40	1.2
MS % Recovery:	98	98	100	102
Dup. Result:	0.37	0.36	0.38	1.1
MSD % Recov.:	93	90	95	95
RPD:	5.3	8.0	5.1	6.8
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:	5LCS041096	5LCS041096	5LCS041096	5LCS041096
Prepared Date:	4/10/96	4/10/96	4/10/96	4/10/96
Analyzed Date:	4/10/96	4/10/96	4/10/96	4/10/96
Instrument I.D.#:	HP-5	HP-5	HP-5	HP-5
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
LCS Result:	21	20	21	62
LCS % Recov.:	105	100	105	103

MS/MSD LCS Control Limits	55-145	47-149	47-155	56-140
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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.

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

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
Project Manager



Groundwater Technology
1401 Halyard Dr., Ste. 140
West Sacramento, CA 95691
Attention: Jim Grasty

Client Project ID: Chevron #9-1723
Matrix: Solid

QC Sample Group: 6040541

Reported: Apr 15, 1996

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene	Oil & Grease
QC Batch#:	GC041096	GC041096	GC041096	SP041096
	060106A	060106A	060106A	4181DMA
Analy. Method:	EPA 8010	EPA 8010	EPA 8010	EPA 418.1
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 3510
Analyst:	I. Dalvand	I. Dalvand	I. Dalvand	0
MS/MSD #:	6040541	6040541	6040541	6040541
Sample Conc.:	N.D.	N.D.	N.D.	455 mg/kg
Prepared Date:	4/10/96	4/10/96	4/10/96	4/10/96
Analyzed Date:	4/10/96	4/10/96	4/10/96	4/10/96
Instrument I.D.#:	HP-6	HP-6	HP-6	Miran 1A
Conc. Spiked:	2000 µg/kg	2000 µg/kg	2000 µg/kg	125 mg/kg
Result:	1700	1800	1600	585
MS % Recovery:	86	89	85	104
Dup. Result:	1700	1800	1600	570
MSD % Recov.:	84	90	82	92
RPD:	2.4	1.1	3.6	2.6
RPD Limit:	0-30	0-30	0-30	0-30

LCS #:	LCS041096	LCS041096	LCS041096	LCS041096
Prepared Date:	4/10/96	4/10/96	4/10/96	1/0/00
Analyzed Date:	4/10/96	4/10/96	4/10/96	1/0/00
Instrument I.D.#:	HP-6	HP-6	HP-6	Miran 1A
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	125 mg/kg
LCS Result:	9.2	9.2	8.3	140
LCS % Recov.:	92	92	83	112

MS/MSD LCS Control Limits	28-167	35-146	38-150	70-130
---------------------------------	--------	--------	--------	--------

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

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
Kenneth L. Wimer
Project Manager



Sequoia Analytical

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FAX (510) 988-9673
FAX (916) 921-0100

Groundwater Technology
1401 Halyard Dr., Ste. 140
West Sacramento, CA 95691
Attention: Jim Grasty

Client Project ID: Chevron #9-1723
Sample Matrix: Soil
Analysis Method: EPA 5030/8015 Mod./8020
First Sample #: 604-0722

Sampled: Apr 1, 1996
Received: Apr 9, 1996
Reported: Apr 23, 1996

QC Batch Number: SP041796 8020EXA SP041796 8020EXA SP041196 8020EXA SP041196 8020EXA SP041196 8020EXA SP041796 8020EXA

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit mg/kg	Sample I.D. 604-0722 SB-3-10	Sample I.D. 604-0723 SB-4-10	Sample I.D. 604-0724 SB-4-15	Sample I.D. 604-0725 SB-2-10	Sample I.D. 604-0726 SB-5-10	Sample I.D. 604-0727 SB-9-5
Purgeable Hydrocarbons	1.0	190	170	20	51	300	67
Benzene	0.0050	0.54	0.59	0.091	0.18	2.4	0.60
Toluene	0.0050	0.66	0.52	0.036	0.12	1.4	0.16
Ethyl Benzene	0.0050	2.3	0.14	0.029	0.79	10	0.14
Total Xylenes	0.0050	3.3	1.1	0.23	0.59	4.2	0.82

Chromatogram Pattern: Gasoline Gasoline & Unidentified Hydrocarbons >C8 Gasoline & Unidentified Hydrocarbons >C8 Gasoline Gasoline Gasoline

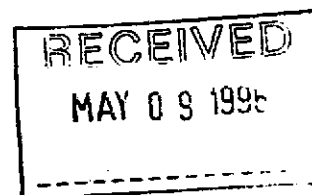
Quality Control Data

Report Limit Multiplication Factor:	10	10	5.0	10	100	5.0
Date Analyzed:	4/17/96	4/17/96	4/11/96	4/11/96	4/11/96	4/17/96
Instrument Identification:	HP-2	HP-2	HP-5	HP-5	HP-5	HP-2
Surrogate Recovery, %: (QC Limits = 70-130%)	152	149	84	86	88	121

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


Kenneth L. Wimer
Project Manager





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FAX (916) 921-0100

Groundwater Technology 1401 Halyard Dr., Ste. 140 West Sacramento, CA 95691 Attention: Jim Grasty	Client Project ID: Chevron #9-1723 Sample Matrix: Soil Analysis Method: EPA 5030/8015 Mod./8020 First Sample #: 604-0728	Sampled: Apr 1-2, 1996 Received: Apr 9, 1996 Reported: Apr 23, 1996
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QC Batch Number:	SP041196	SP041796	SP041196	SP041796	SP041696	SP041696
	8020EXA	8020EXA	8020EXA	8020EXA	8020EXA	8020EXA

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit mg/kg	Sample I.D. 604-0728 SB-9-15	Sample I.D. 604-0729 SB-7-5	Sample I.D. 604-0730 SB-7-10	Sample I.D. 604-0731 SB-1-10	Sample I.D. 604-0732 SB-21-5	Sample I.D. 604-0733 SB-22-5
Purgeable Hydrocarbons	1.0	610	880	500	400	N.D.	3.1
Benzene	0.0050	3.8	2.2	1.3	1.4	N.D.	0.027
Toluene	0.0050	7.4	0.58	1.6	0.44	N.D.	0.0091
Ethyl Benzene	0.0050	17	7.7	7.0	8.9	N.D.	0.020
Total Xylenes	0.0050	69	7.9	27	28	N.D.	0.015
Chromatogram Pattern:		Gasoline	Gasoline	Gasoline	Gasoline	--	Gasoline & Unidentified Hydrocarbons > C8

Quality Control Data

Report Limit Multiplication Factor:	50	100	50	50	1.0	1.0
Date Analyzed:	4/11/96	4/17/96	4/11/96	4/17/96	4/16/96	4/16/96
Instrument Identification:	HP-5	HP-2	HP-5	HP-2	HP-5	HP-5
Surrogate Recovery, %: (QC Limits = 70-130%)	106	111	87	111	87	88

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


Kenneth L. Wimmer
Project Manager

6040722.GRW <2>



Sequoia Analytical

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Groundwater Technology
1401 Halyard Dr., Ste. 140
West Sacramento, CA 95691
Attention: Jim Grasty

Client Project ID: Chevron #9-1723
Sample Matrix: Soil
Analysis Method: EPA 5030/8015 Mod./8020
First Sample #: 604-0734

Sampled: Apr 2-3, 1996
Received: Apr 9, 1996
Reported: Apr 23, 1996

QC Batch Number:

SP041696 SP041796 SP041696 SP041796 SP041696 SP041696
8020EXA 8020EXA 8020EXA 8020EXA 8020EXA 8020EXA

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit mg/kg	Sample I.D. 604-0734 SB-22-10	Sample I.D. 604-0735 SB-23-10	Sample I.D. 604-0736 SB-12-5	Sample I.D. 604-0737 SB-12-10	Sample I.D. 604-0738 SB-13-10	Sample I.D. 604-0739 SB-15-5
Purgeable Hydrocarbons	1.0	110	140	N.D.	750	340	2.1
Benzene	0.0050	0.72	3.4	N.D.	1.1	1.6	0.011
Toluene	0.0050	0.47	0.29	N.D.	4.1	0.81	0.0060
Ethyl Benzene	0.0050	4.7	0.86	N.D.	19	7.4	N.D.
Total Xylenes	0.0050	0.39	4.6	N.D.	85	24	0.15
Chromatogram Pattern:		Gasoline	Gasoline	--	Gasoline	Gasoline	Gasoline & Unidentified Hydrocarbons > C8

Quality Control Data

Report Limit Multiplication Factor:	50	50	1.0	100	50	1.0
Date Analyzed:	4/16/96	4/17/96	4/16/96	4/17/96	4/17/96	4/16/96
Instrument Identification:	HP-5	HP-2	HP-5	HP-2	HP-2	HP-5
Surrogate Recovery, %: (QC Limits = 70-130%)	93	140	89	119	117	86

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


Kenneth L. Wimer
Project Manager

6040722.GRW <3>



Groundwater Technology 1401 Halyard Dr., Ste. 140 West Sacramento, CA 95691 Attention: Jim Grasty	Client Project ID: Chevron #9-1723 Sample Matrix: Soil Analysis Method: EPA 5030/8015 Mod./8020 First Sample #: 604-0740	Sampled: Apr 3, 1996 Received: Apr 9, 1996 Reported: Apr 23, 1996
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QC Batch Number:	SP041796	SP041696	SP041796	SP041796	SP041796	SP041096
	8020EXA	8020EXA	8020EXA	8020EXA	8020EXA	8020EXA

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit mg/kg	Sample I.D. 604-0740 SB-15-10	Sample I.D. 604-0741 SB-16-5	Sample I.D. 604-0742 SB-16-10	Sample I.D. 604-0743 SB-17-10	Sample I.D. 604-0744 SB-19	Sample I.D. 604-0745 SB-20-10
Purgeable Hydrocarbons	1.0	1,800	1.9	760	1,600	220	510
Benzene	0.0050	17	0.15	6.2	4.3	2.3	3.8
Toluene	0.0050	68	N.D.	1.8	15	N.D.	1.5
Ethyl Benzene	0.0050	53	0.0069	28	38	1.1	17
Total Xylenes	0.0050	260	0.026	76	150	1.5	39
Chromatogram Pattern:		Gasoline	Gasoline	Gasoline	Gasoline	Gasoline	Gasoline

Quality Control Data

Report Limit Multiplication Factor:	100	1.0	100	100	100	50
Date Analyzed:	4/17/96	4/16/96	4/17/96	4/17/96	4/17/96	4/10/96
Instrument Identification:	HP-2	HP-5	HP-5	HP-5	HP-2	HP-4
Surrogate Recovery, %: (QC Limits = 70-130%)	132	108	103	75	113	161

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


Kenneth Wimer
Project Manager



Groundwater Technology
1401 Halyard Dr., Ste. 140
West Sacramento, CA 95691
Attention: Jim Grasty

Client Project ID: Chevron #9-1723
Sample Matrix: Soil
Analysis Method: EPA 5030/8015 Mod./8020
First Sample #: 604-0746

Sampled: Apr 4, 1996
Received: Apr 9, 1996
Reported: Apr 23, 1996

QC Batch Number:

SP041796

SP041896

SP041896

SP041796

SP041996

SP041796

8020EXA

8020EXA

8020EXA

8020EXA

8020EXA

8020EXA

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit mg/kg	Sample I.D. 604-0746 SB-6-10	Sample I.D. 604-0747 SB-18-10	Sample I.D. 604-0748 SB-11-5	Sample I.D. 604-0749 SB-11-10	Sample I.D. 604-0750 SB-14-5	Sample I.D. 604-0751 SB-14-10
Purgeable Hydrocarbons	1.0	330	480	7.5	550	17	820
Benzene	0.0050	0.57	5.9	0.012	1.5	0.066	5.0
Toluene	0.0050	N.D.	4.5	0.040	N.D.	0.050	28
Ethyl Benzene	0.0050	0.42	2.0	0.019	9.7	0.097	16
Total Xylenes	0.0050	2.3	5.4	0.056	3.2	0.067	82

Chromatogram Pattern:

Gasoline &
Unidentified
Hydrocarbons
> C8

Gasoline

Gasoline &
Unidentified
Hydrocarbons
> C8

Gasoline

Gasoline &
Unidentified
Hydrocarbons
> C8

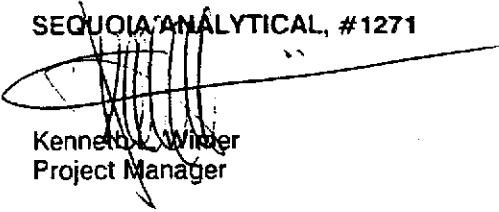
Gasoline

Quality Control Data

Report Limit Multiplication Factor:	50	250	2.0	250	10	100
Date Analyzed:	4/17/96	4/18/96	4/18/96	4/17/96	4/19/96	4/17/96
Instrument Identification:	HP-2	HP-4	HP-4	HP-4	HP-4	HP-4
Surrogate Recovery, %: (QC Limits = 70-130%)	107	137	103	106	102	117

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


Kenneth L. Winger
Project Manager



Groundwater Technology
1401 Halyard Dr., Ste. 140
West Sacramento, CA 95691
Attention: Jim Grasty

Client Project ID: Chevron #9-1723
Sample Matrix: Soil
Analysis Method: EPA 5030/8015 Mod./8020
First Sample #: 604-0752

Sampled: Apr 4, 1996
Received: Apr 9, 1996
Reported: Apr 23, 1996

QC Batch Number: SP041096 SP041096 SP041896 SP041696 SP041896 SP041896

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION


Analyte	Reporting Limit mg/kg	Sample I.D. 604-0752 SB-10-5	Sample I.D. 604-0753 SB-10-10	Sample I.D. 604-0754 SB-10-15	Sample I.D. 604-0755 SB-8-5	Sample I.D. 604-0756 SB-8-10	Sample I.D. 604-0757 SB-8-15
Purgeable Hydrocarbons	1.0	450	1,300	N.D.	110	240	2.1
Benzene	0.0050	3.7	99	0.010	1.6	4.6	0.0054
Toluene	0.0050	8.9	40	0.0051	N.D.	1.1	N.D.
Ethyl Benzene	0.0050	9.9	150	N.D.	N.D.	0.76	N.D.
Total Xylenes	0.0050	53	210	0.016	0.79	2.1	0.042
Chromatogram Pattern:		Gasoline	Gasoline	--	Gasoline & Unidentified Hydrocarbons >C8	Gasoline & Unidentified Hydrocarbons >C8	Unidentified Hydrocarbons >C8

Quality Control Data

Report Limit Multiplication Factor:	50	50	1.0	50	50	1.0
Date Analyzed:	4/10/96	4/10/96	4/18/96	4/16/96	4/18/96	4/18/96
Instrument Identification:	HP-4	HP-4	HP-4	HP-5	HP-4	HP-5
Surrogate Recovery, %: (QC Limits = 70-130%)	100	145	108	87	113	97

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


Kenneth J. Winter
Project Manager



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Groundwater Technology
1401 Halyard Dr., Ste. 140
West Sacramento, CA 95691
Attention: Jim Grasty

Client Project ID: Chevron #9-1723
Sample Matrix: Water
Analysis Method: EPA 5030/8015 Mod./8020
First Sample #: 604-0758

Sampled: Apr 2-4, 1996
Received: Apr 9, 1996
Reported: Apr 23, 1996

QC Batch Number: GC042496 GC042296 GC041796 GC041796

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit µg/L	Sample I.D.	Sample I.D.	Sample I.D.	Sample I.D.
		604-0758 SB-22	604-0759 SB-19	604-0760 SB-11	604-0761 TB-LB
Purgeable Hydrocarbons	50	19,000	2,300	5,100	N.D.
Benzene	0.50	400	170	210	N.D.
Toluene	0.50	N.D.	30	97	N.D.
Ethyl Benzene	0.50	110	21	180	N.D.
Total Xylenes	0.50	77	34	400	N.D.
Chromatogram Pattern:		Gasoline & Unidentified Hydrocarbons >C8	Gasoline Unidentified Hydrocarbons <C7	Gasoline	--

Quality Control Data

Report Limit Multiplication Factor:	20	10	20	1.0
Date Analyzed:	4/24/96	4/22/96	4/17/96	4/17/96
Instrument Identification:	HP.2	HP.9	HP.11	HP.11
Surrogate Recovery, %: (QC Limits = 70-130%)	115	90	123	99

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


Kenneth A. Wimer
Project Manager

Please Note:

All samples were shot before hold time, but because of the need for further dilutions, the reshots were not possible until a later date.

6040722.GRW <7>



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Groundwater Technology
1401 Halyard Dr., Ste. 140
West Sacramento, CA 95691
Attention: Jim Grasty

Client Project ID: Chevron #9-1723
Sample Descript: Soil
Analysis for: Percent Moisture
First Sample #: 604-0721

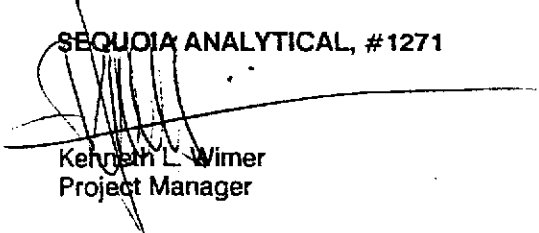
Sampled: Apr 1-4, 1996
Received: Apr 9, 1996
Analyzed: Apr 11, 1996
Reported: Apr 23, 1996

LABORATORY ANALYSIS FOR: Percent Moisture

Sample Number	Sample Description	Detection Limit	Sample Result %	QC Batch Number	Instrument ID
604-0721	SB-3-5	N/A	16	IN041196160300A	Manual
604-0732	SB-21-5	N/A	16	IN041196160300A	Manual
604-0745	SB-20-10	N/A	18	IN041196160300A	Manual
604-0752	SB-10-5	N/A	20	IN041196160300A	Manual
604-0753	SB-10-10	N/A	20	IN041196160300A	Manual
604-0755	SB-8-5	N/A	19	IN041196160300A	Manual

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

SEQUOIA ANALYTICAL, #1271


Kenneth L. Wimer
Project Manager



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Groundwater Technology
1401 Halyard Dr., Ste. 140
West Sacramento, CA 95691
Attention: Jim Grasty

Client Project ID: Chevron #9-1723
Sample Descript: Soil
Analysis for: Bulk Density
First Sample #: 604-0721

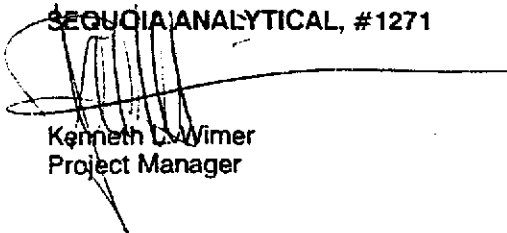
Sampled: Apr 1-4, 1996
Received: Apr 9, 1996
Analyzed: Apr 12, 1996
Reported: Apr 23, 1996

LABORATORY ANALYSIS FOR: Bulk Density

Sample Number	Sample Description	Detection Limit	Sample Result g/m ³	QC Batch Number	Instrument ID
604-0721	SB-3-5	N/A	2.1	IN041296213F00A	Manual
604-0732	SB-21-5	N/A	2.1	IN041296213F00A	Manual
604-0745	SB-20-10	N/A	2.0	IN041296213F00A	Manual
604-0752	SB-10-5	N/A	1.9	IN041296213F00A	Manual
604-0753	SB-10-10	N/A	2.1	IN041296213F00A	Manual
604-0755	SB-8-5	N/A	2.0	IN041296213F00A	Manual

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

SEQUOIA ANALYTICAL, #1271


Kenneth L. Wimer
Project Manager



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Groundwater Technology
1401 Halyard Dr., Ste. 140
West Sacramento, CA 95691
Attention: Jim Grasty

Client Project ID: Chevron #9-1723
Sample Descript: Soil
Analysis for: Total Organic Carbon
First Sample #: 604-0721

Sampled: Apr 1-4, 1996
Received: Apr 9, 1996
Analyzed: Apr 16, 1996
Reported: Apr 23, 1996

LABORATORY ANALYSIS FOR: Total Organic Carbon

Sample Number	Sample Description	Detection Limit mg/kg	Sample Result mg/kg
604-0721	SB-3-5	50	1,100
604-0732	SB-21-5	50	820
604-0745	SB-20-10	50	870
604-0752	SB-10-5	50	3,300
604-0753	SB-10-10	50	1,500
604-0755	SB-8-5	50	870

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

SEQUOIA ANALYTICAL, #1267


Kenneth L. Wimer
Project Manager



Sequoia Analytical

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Groundwater Technology
1401 Halyard Dr., Ste. 140
West Sacramento, CA 95691
Attention: Jim Grasty

Client Project ID: Chevron #9-1723
Sample Descript: Soil
Analysis for: Porosity
First Sample #: 604-0721

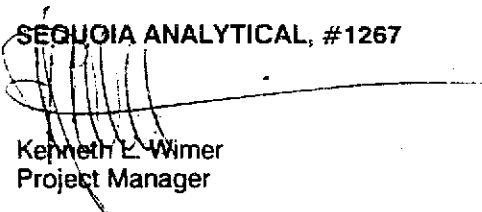
Sampled: Apr 1-4, 1996
Received: Apr 9, 1996
Analyzed: Apr 18, 1996
Reported: Apr 24, 1996

LABORATORY ANALYSIS FOR: Porosity

Sample Number	Sample Description	Detection Limit	Sample Result %
604-0721	SB-3-5	N/A	34
604-0732	SB-21-5	N/A	44
604-0745	SB-20-10	N/A	42
604-0752	SB-10-5	N/A	44
604-0753	SB-10-10	N/A	46
604-0755	SB-8-5	N/A	42

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

SEQUOIA ANALYTICAL, #1267


Kenneth L. Wimer
Project Manager



Groundwater Technology
1401 Halyard Dr., Ste. 140
West Sacramento, CA 95691
Attention: Jim Grasty

Client Project ID: Chevron #9-1723
Matrix: Solid

QC Sample Group: 6040721-757

Reported: Apr 23, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	SP041796	SP041796	SP041796	SP041796
	8020EXA	8020EXA	8020EXA	8020EXA
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	M. Brewer	M. Brewer	M. Brewer	M. Brewer
MS/MSD #:	6040716	6040716	6040716	6040716
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	4/17/96	4/17/96	4/17/96	4/17/96
Analyzed Date:	4/17/96	4/17/96	4/17/96	4/17/96
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2
Conc. Spiked:	0.40 mg/kg	0.40 mg/kg	0.40 mg/kg	1.2 mg/kg
Result:	0.38	0.38	0.40	1.2
MS % Recovery:	95	95	100	101
Dup. Result:	0.36	0.36	0.39	1.2
MSD % Recov.:	90	90	98	96
RPD:	5.4	5.4	2.5	5.1
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:	2LCS041796	2LCS041796	2LCS041796	2LCS041796
Prepared Date:	4/17/96	4/17/96	4/17/96	4/17/96
Analyzed Date:	4/17/96	4/17/96	4/17/96	4/17/96
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
LCS Result:	22	21	22	66
LCS % Recov.:	110	105	110	110

MS/MSD LCS Control Limits	55-145	47-149	47-155	56-140
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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.

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

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
Project Manager



Groundwater Technology
1401 Halyard Dr., Ste. 140
West Sacramento, CA 95691
Attention: Jim Grasty

Client Project ID: Chevron #9-1723
Matrix: Solid

QC Sample Group: 6040721-757

Reported: Apr 23, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	SP041096	SP041096	SP041096	SP041096
	8020EXA	8020EXA	8020EXA	8020EXA
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	K. Nill	K. Nill	K. Nill	K. Nill
MS/MSD #:	6040457	6040457	6040457	6040457
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	4/10/96	4/10/96	4/10/96	4/10/96
Analyzed Date:	4/10/96	4/10/96	4/10/96	4/10/96
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4
Conc. Spiked:	0.40 mg/kg	0.40 mg/kg	0.40 mg/kg	1.2 mg/kg
Result:	0.37	0.37	0.35	1.1
MS % Recovery:	93	93	88	94
Dup. Result:	0.35	0.36	0.35	1.1
MSD % Recov.:	88	90	88	93
RPD:	5.6	2.7	0.0	1.8
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:	4LCS041096	4LCS041096	4LCS041096	4LCS041096
Prepared Date:	4/10/96	4/10/96	4/10/96	4/10/96
Analyzed Date:	4/10/96	4/10/96	4/10/96	4/10/96
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
LCS Result:	21	21	20	63
LCS % Recov.:	105	105	100	105

MS/MSD LCS Control Limits	55-145	47-149	47-155	56-140
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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.

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

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
Project Manager



Groundwater Technology
1401 Halyard Dr., Ste. 140
West Sacramento, CA 95691
Attention: Jim Grasty

Client Project ID: Chevron #9-1723
Matrix: Solid

QC Sample Group: 6040721-757

Reported: Apr 23, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	SP041696	SP041696	SP041696	SP041696
	8020EXA	8020EXA	8020EXA	8020EXA
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	K. Nill	K. Nill	K. Nill	K. Nill
MS/MSD #:	6040716	6040716	6040716	6040716
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	4/17/96	4/17/96	4/17/96	4/17/96
Analyzed Date:	4/17/96	4/17/96	4/17/96	4/17/96
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4
Conc. Spiked:	0.40 mg/kg	0.40 mg/kg	0.40 mg/kg	1.2 mg/kg
Result:	0.32	0.33	0.32	1.0
MS % Recovery:	80	83	80	83
Dup. Result:	0.32	0.33	0.31	0.99
MSD % Recov.:	80	83	78	83
RPD:	0.0	0.0	3.2	1.0
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:	4LCS041796	4LCS041796	4LCS041796	4LCS041796
Prepared Date:	4/17/96	4/17/96	4/17/96	4/17/96
Analyzed Date:	4/17/96	4/17/96	4/17/96	4/17/96
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
LCS Result:	18	18	17	54
LCS % Recov.:	90	90	85	90

MS/MSD LCS Control Limits	55-145	47-149	47-155	56-140
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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.

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

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
Project Manager



Groundwater Technology
1401 Halyard Dr., Ste. 140
West Sacramento, CA 95691
Attention: Jim Grasty

Client Project ID: Chevron #9-1723
Matrix: Solid

QC Sample Group: 6040721-757

Reported: Apr 23, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	SP041896	SP041896	SP041896	SP041896
	8020EXA	8020EXA	8020EXA	8020EXA
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	K. Nill	K. Nill	K. Nill	K. Nill
MS/MSD #:	6040561	6040561	6040561	6040561
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	4/18/96	4/18/96	4/18/96	4/18/96
Analyzed Date:	4/18/96	4/18/96	4/18/96	4/18/96
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4
Conc. Spiked:	0.40 mg/kg	0.40 mg/kg	0.40 mg/kg	1.2 mg/kg
Result:	0.38	0.38	0.37	1.1
MS % Recovery:	95	95	93	91
Dup. Result:	0.38	0.39	0.36	1.1
MSD % Recov.:	95	98	90	95
RPD:	0.0	2.6	2.7	4.5
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:	4LCS041896	4LCS041896	4LCS041896	4LCS041896
Prepared Date:	4/18/96	4/18/96	4/18/96	4/18/96
Analyzed Date:	4/18/96	4/18/96	4/18/96	4/18/96
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
LCS Result:	18	17	17	52
LCS % Recov.:	90	85	85	87

MS/MSD LCS Control Limits	55-145	47-149	47-155	56-140
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Please Note:

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SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
Project Manager



Groundwater Technology
1401 Halyard Dr., Ste. 140
West Sacramento, CA 95691
Attention: Jim Grasty

Client Project ID: Chevron #9-1723
Matrix: Solid

QC Sample Group: 6040721-757

Reported: Apr 23, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	SP041196	SP041196	SP041196	SP041196
	8020EXA	8020EXA	8020EXA	8020EXA
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	K. Nill	K. Nill	K. Nill	K. Nill
MS/MSD #:	6032544	6032544	6032544	6032544
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	4/11/96	4/11/96	4/11/96	4/11/96
Analyzed Date:	4/11/96	4/11/96	4/11/96	4/11/96
Instrument I.D.#:	HP-5	HP-5	HP-5	HP-5
Conc. Spiked:	0.40 mg/kg	0.40 mg/kg	0.40 mg/kg	1.2 mg/kg
Result:	0.34	0.35	0.36	1.1
MS % Recovery:	85	88	90	91
Dup. Result:	0.35	0.35	0.37	1.1
MSD % Recov.:	88	88	93	93
RPD:	2.9	0.0	2.7	1.8
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:	5LCS041196	5LCS041196	5LCS041196	5LCS041196
Prepared Date:	4/11/96	4/11/96	4/11/96	4/11/96
Analyzed Date:	4/11/96	4/11/96	4/11/96	4/11/96
Instrument I.D.#:	HP-5	HP-5	HP-5	HP-5
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
LCS Result:	24	23	24	71
LCS % Recov.:	120	115	120	118

MS/MSD LCS Control Limits	55-145	47-149	47-155	56-140
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Please Note:
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SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
Project Manager



Groundwater Technology
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West Sacramento, CA 95691
Attention: Jim Grasty

Client Project ID: Chevron #9-1723
Matrix: Solid

QC Sample Group: 6040721-757

Reported: Apr 23, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	SP041696	SP041696	SP041696	SP041696
	8020EXA	8020EXA	8020EXA	8020EXA
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	K. Nill	K. Nill	K. Nill	K. Nill
MS/MSD #:	6040736	6040736	6040736	6040736
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	4/16/96	4/16/96	4/16/96	4/16/96
Analyzed Date:	4/16/96	4/16/96	4/16/96	4/16/96
Instrument I.D.#:	HP-5	HP-5	HP-5	HP-5
Conc. Spiked:	0.40 mg/kg	0.40 mg/kg	0.40 mg/kg	1.2 mg/kg
Result:	0.44	0.43	0.45	1.3
MS % Recovery:	110	108	113	112
Dup. Result:	0.46	0.45	0.47	1.4
MSD % Recov.:	115	113	118	118
RPD:	4.4	4.6	4.4	5.1
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:	5LCS041696	5LCS041696	5LCS041696	5LCS041696
Prepared Date:	4/16/96	4/16/96	4/16/96	4/16/96
Analyzed Date:	4/16/96	4/16/96	4/16/96	4/16/96
Instrument I.D.#:	HP-5	HP-5	HP-5	HP-5
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
LCS Result:	20	20	20	61
LCS % Recov.:	100	100	100	102

MS/MSD LCS Control Limits	55-145	47-149	47-155	56-140
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Please Note:

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Project Manager



Groundwater Technology
1401 Halyard Dr., Ste. 140
West Sacramento, CA 95691
Attention: Jim Grasty

Client Project ID: Chevron #9-1723
Matrix: Solid

QC Sample Group: 6040721-757

Reported: Apr 23, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	SP041796	SP041796	SP041796	SP041796
	8020EXA	8020EXA	8020EXA	8020EXA
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	S. Chullakorn	S. Chullakorn	S. Chullakorn	S. Chullakorn
MS/MSD #:	6040716	6040716	6040716	6040716
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	4/17/96	4/17/96	4/17/96	4/17/96
Analyzed Date:	4/17/96	4/17/96	4/17/96	4/17/96
Instrument I.D.#:	HP-5	HP-5	HP-5	HP-5
Conc. Spiked:	0.40 mg/kg	0.40 mg/kg	0.40 mg/kg	1.2 mg/kg
Result:	0.32	0.32	0.34	1.0
MS % Recovery:	80	80	85	86
Dup. Result:	0.30	0.31	0.32	0.99
MSD % Recov.:	75	78	80	83
RPD:	6.5	3.2	6.1	4.0
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:	5LCS041796	5LCS041796	5LCS041796	5LCS041796
Prepared Date:	4/17/96	4/17/96	4/17/96	4/17/96
Analyzed Date:	4/17/96	4/17/96	4/17/96	4/17/96
Instrument I.D.#:	HP-5	HP-5	HP-5	HP-5
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
LCS Result:	19	18	19	57
LCS % Recov.:	95	90	95	95

MS/MSD LCS	Control Limits	55-145	47-149	47-155	56-140
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SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
Project Manager



Groundwater Technology
1401 Halyard Dr., Ste. 140
West Sacramento, CA 95691
Attention: Jim Grasty

Client Project ID: Chevron #9-1723
Matrix: Solid

QC Sample Group: 6040721-757

Reported: Apr 23, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	SP041896	SP041896	SP041896	SP041896
	8020EXA	8020EXA	8020EXA	8020EXA
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	S. Chullakorn	S. Chullakorn	S. Chullakorn	S. Chullakorn
MS/MSD #:	6040561	6040561	6040561	6040561
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	4/18/96	4/18/96	4/18/96	4/18/96
Analyzed Date:	4/18/96	4/18/96	4/18/96	4/18/96
Instrument I.D.#:	HP-5	HP-5	HP-5	HP-5
Conc. Spiked:	0.40 mg/kg	0.40 mg/kg	0.40 mg/kg	1.2 mg/kg
Result:	0.36	0.36	0.37	1.1
MS % Recovery:	90	90	93	93
Dup. Result:	0.35	0.36	0.37	1.1
MSD % Recov.:	88	90	93	91
RPD:	2.8	0.0	0.0	2.7
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:	5LCS041896	5LCS041896	5LCS041896	5LCS041896
Prepared Date:	4/18/96	4/18/96	4/18/96	4/18/96
Analyzed Date:	4/18/96	4/18/96	4/18/96	4/18/96
Instrument I.D.#:	HP-5	HP-5	HP-5	HP-5
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
LCS Result:	18	18	18	55
LCS % Recov.:	90	90	90	92

MS/MSD LCS Control Limits	55-145	47-149	47-155	56-140
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SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
Project Manager



Groundwater Technology
1401 Halyard Dr., Ste. 140
West Sacramento, CA 95691
Attention: Jim Grasty

Client Project ID: Chevron #9-1723
Matrix: Liquid

QC Sample Group: 6040721-757

Reported: May 4, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC042496 802002A	GC042496 802002A	GC042496 802002A	GC042496 802002A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	L. Huang	L. Huang	L. Huang	L. Huang
MS/MSD #:	6041112	6041112	6041112	6041112
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	4/24/96	4/24/96	4/24/96	4/24/96
Analyzed Date:	4/24/96	4/24/96	4/24/96	4/24/96
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
Result:	23	22	23	68
MS % Recovery:	115	110	115	113
Dup. Result:	23	22	23	69
MSD % Recov.:	115	110	115	115
RPD:	0.0	0.0	0.0	1.5
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:	2LCS042496	2LCS042496	2LCS042496	2LCS042496
Prepared Date:	4/24/96	4/24/96	4/24/96	4/24/96
Analyzed Date:	4/24/96	4/24/96	4/24/96	4/24/96
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
LCS Result:	22	21	22	67
LCS % Recov.:	110	105	110	112

MS/MSD LCS Control Limits	70-130	70-130	70-130	70-130
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Please Note:
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SEQUOIA ANALYTICAL, #1271


Kenneth L. Wilmer
Project Manager



Groundwater Technology
1401 Halyard Dr., Ste. 140
West Sacramento, CA 95691
Attention: Jim Grasty

Client Project ID: Chevron #9-1723
Matrix: Liquid

QC Sample Group: 6040721-757

Reported: May 4, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC042296 802009A	GC042296 802009A	GC042296 802009A	GC042296 802009A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	L. Huang	L. Huang	L. Huang	L. Huang
MS/MSD #:	6041143	6041143	6041143	6041143
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	4/22/96	4/22/96	4/22/96	4/22/96
Analyzed Date:	4/22/96	4/22/96	4/22/96	4/22/96
Instrument I.D.#:	HP-9	HP-9	HP-9	HP-9
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
Result:	22	23	23	69
MS % Recovery:	110	115	115	115
Dup. Result:	21	22	23	66
MSD % Recov.:	105	110	115	110
RPD:	4.7	4.4	0.0	4.4
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:	9LCS042296	9LCS042296	9LCS042296	9LCS042296
Prepared Date:	4/22/96	4/22/96	4/22/96	4/22/96
Analyzed Date:	4/22/96	4/22/96	4/22/96	4/22/96
Instrument I.D.#:	HP-9	HP-9	HP-9	HP-9
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
LCS Result:	24	25	26	76
LCS % Recov.:	120	125	130	127

MS/MSD LCS Control Limits	70-130	70-130	70-130	70-130
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Project Manager



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1401 Halyard Dr., Ste. 140
West Sacramento, CA 95691
Attention: Jim Grasty

Client Project ID: Chevron #9-1723
Matrix: Liquid

QC Sample Group: 6040721-757

Reported: May 4, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC041796 802011A	GC041796 802011A	GC041796 802011A	GC041796 802011A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	K. Nill	K. Nill	K. Nill	K. Nill
MS/MSD #:	6040463	6040463	6040463	6040463
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	4/17/96	4/17/96	4/17/96	4/17/96
Analyzed Date:	4/17/96	4/17/96	4/17/96	4/17/96
Instrument I.D.#:	HP-11	HP-11	HP-11	HP-11
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
Result:	24	21	22	67
MS % Recovery:	120	105	110	112
Dup. Result:	25	22	23	69
MSD % Recov.:	125	110	115	115
RPD:	4.1	4.7	4.4	2.9
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:	11LCS041796	11LCS041796	11LCS041796	11LCS041796
Prepared Date:	4/17/96	4/17/96	4/17/96	4/17/96
Analyzed Date:	4/17/96	4/17/96	4/17/96	4/17/96
Instrument I.D.#:	HP-11	HP-11	HP-11	HP-11
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
LCS Result:	23	20	21	63
LCS % Recov.:	115	100	105	105

MS/MSD LCS Control Limits	70-130	70-130	70-130	70-130
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SEQUOIA ANALYTICAL, #1271

Kenneth E. Wimer
Kenneth E. Wimer
Project Manager



Groundwater Technology
1401 Halyard Dr., Ste. 140
West Sacramento, CA 95691
Attention: Jim Grasty

Client Project ID: **Chevron #9-1723**
Matrix: **Solid**

QC Sample Group: 6040721-757

Reported: **Apr 23, 1996**

QUALITY CONTROL DATA REPORT

Analyte:	Bulk	Percent
	Density	Moisture
QC Batch#:	IN041296	IN041196
	213F00A	160300A
Analy. Method:	EPA 213F	EPA 160.3
Prep. Method:	EPA 213F	EPA 160.3

Analyst: Y. Borinshteyn Y. Borinshteyn

**Duplicate
Sample #:** 6040755 6040755

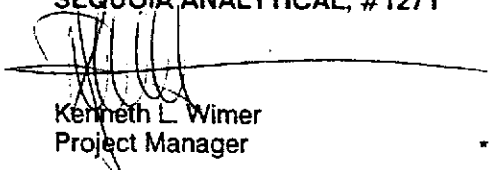
Prepared Date: 4/12/96 4/11/96
Analyzed Date: 4/12/96 4/11/96
Instrument I.D.#: Manual Manual

**Sample
Concentration:** 2.0 g/m³ 19%

**Dup. Sample
Concentration:** 1.9 g/m³ 19%

RPD: 5.1 0.0
RPD Limit: 0-30 0-30

SEQUOIA ANALYTICAL, #1271


Kenneth L. Wimer
Project Manager

** RPD = Relative % Difference



Groundwater Technology
1401 Halyard Dr., Ste. 140
West Sacramento, CA 95691
Attention: Jim Grasty

Client Project ID: Chevron #9-1723
Sample Matrix: Solid
Units: mg/kg
QC Sample Group: 6040721-757

Analyst: R. Wood
J. Wright
Reported: Apr 23, 1996

QUALITY CONTROL DATA REPORT

ANALYTE	Total Organic Carbon
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Method: 9060 Modified
Date Analyzed: 4/16/96

ACCURACY ASSESSMENT

LCS Spike
Conc. Added: 2,500

LCS Spike
Result: 2,500

LCS Spike
% Recovery: 100

Upper Control
Limit: 112

Lower Control
Limit: 91

PRECISION ASSESSMENT

Sample #: B60419-01

Original: 1,100

Duplicate: 1,100

Relative %
Difference: 0.0

Maximum
RPD: 28

SEQUOIA ANALYTICAL, #1267


Kenneth L. Wither
Project Manager

Chevron Facility Number 9-1723
 Facility Address 9757 SAN LEANDRO BLVD
 Consultant Project Number 02070 0080
 Consultant Name GROUNDWATER TECHNOLOGY
 Address 1401 HALYARD DR, #140, WEST SACRAMENTO
 Project Contact (Name) JASON FEDOTA
 (Phone) 9163724700 (Fax Number) 9163728781

Chevron Contact (Name) KENNETH KAN
 (Phone) 510 842 9500
 Laboratory Name SEQUOIA
 Laboratory Release Number 2147784
 Samples Collected by (Name) TERRY JAMES
 Collection Date 4/2/96
 Signature Jerry Gunn

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	Lead (Yes or No)	Analyses To Be Performed										Remarks					
								BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Hydrocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd, Cr, Pb, Zn, Ni (8030 or AA)								
SB-1-5		1	S	G	11:15	NO	yes																
SB-1-10					11:30																		6040731
SB-1-15					11:40																		
SB-21-5					10:45																		6040732
SB-22-5					10:00																		6040733
SB-22-10					10:10																		6040734
SB-23-5					9:30																		
SB-23-10					11:40																		6040735
SB-22		3	W		10:30	yes	yes																6040757

NOTE:
Do NOT BILL
TB-LB SAMPLES

Relinquished By (Signature) <u>Jerry Gunn</u>	Organization <u>GTL</u>	Date/Time <u>4/5/96 8:20</u>	Received By (Signature) <u>Ralph Banville</u>	Organization <u>Seq</u>	Date/Time <u>4/5/96 1:35</u>	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 5 Days 10 Days As Contracted
Relinquished By (Signature) <u>Ralph Banville</u>	Organization <u>Seq</u>	Date/Time <u>4/5/96 3:40</u>	Received By (Signature)	Organization	Date/Time	
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature) <u>Charles</u>		Date/Time <u>4/5 1540</u>	

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

Chevron Facility Number 9-1723
Facility Address 9757 SAN LEANDRO BLVD
Consultant Project Number 02070 0080
Consultant Name GROUNDWATER TECHNOLOGY
Address 1401 HAYWARD DR, #140, WEST SACRAMENTO
Project Contact (Name) JASON FEDOTA
(Phone) 9163724700 (Fax Number) 9163728781

Chevron Contact (Name) KENNETH KAN
(Phone) 510 842 9500
Laboratory Name SEQUOIA
Laboratory Release Number 2147784
Samples Collected by (Name) Tony Jones
Collection Date 4/4/96
Signature Tony Jones

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)	Analytes To Be Performed											NOTE: Do NOT BILL TB-LB SAMPLES		
								BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd, Cr, Pb, Zn, Ni (ICAP or M)						
S8-6-5		1	S	G	10:15	No	Yes														
S8-6-10					10:20																6040746
S8-6-15					10:30																
S8-18-5					10:55																
S8-18-10					11:00																6040747
S8-11-5					11:30																6040748
S8-11-10					11:40																6040749
S8-11-15					11:50																
S8-11		3	W		12:00	Yes															6040760 AC
S8-12-15					13:45																
S8-14-5					13:10																6040750
S8-14-10					13:10																6040751
S8-10-5					14:10																6040752
S8-10-10					14:20																6040753

Relinquished By (Signature) Tony Jones
Organization GTI
Date/Time 4/5/96 8:20

Relinquished By (Signature) Ralph Bonville
Organization Seq
Date/Time 4/5/96 3:40

Relinquished By (Signature) _____
Organization _____
Date/Time _____

Received By (Signature) Ralph Bonville
Organization Seq
Date/Time 4/5/96 1:35

Received By (Signature) _____
Organization _____
Date/Time _____

Received For Laboratory By (Signature) Charles
Date/Time 4/5 15:10

Turn Around Time (Circle Choice)

24 hrs.
48 hrs.
6 Days
10 Days
As Contracted

Chevron U.S.A. Inc. P.O. BOX 5004 San Ramon, CA 94583 FAX (415)842-9591	Chevron Facility Number <u>9-1723</u>	Chevron Contact (Name) <u>Kenneth KAW</u>
	Facility Address <u>9757 SAN LEANDEO BLVD</u>	(Phone) <u>(510) 842 9500</u>
Consultant Project Number <u>020700080</u>	Consultant Name <u>Groundwater Technology, Inc.</u>	Laboratory Name <u>SEQUOIA</u>
Address <u>1406 WILYARD DR #140 WEST SACRAMENTO</u>	Project Contact (Name) <u>JASON FEOTA</u>	Laboratory Release Number <u>2147784</u>
(Phone) <u>916 372 4709</u> (Fax Number) <u>913 372 8781</u>		Samples Collected by (Name) <u>TERRY JAMES</u>
		Collection Date <u>4/1/96</u>
		Signature <u>Jerry Jans</u>

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Charcoal	Type C = Grab C = Composite D = Discrete	Time	Sample Preservation	Lead (Yes or No)	Analysis To Be Performed											Remarks						
								BTEX + TPH GAS (8020 + 8015)	TPH Dissolved (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 M)										
SB-7-5		1	S	G	15:00	NO	yes																	6040729	
SB-7-10		1			15:05																				6040730
SB-7-15		1			15:15																				

NOTE:
Do NOT BILL
TB-LB SAMPLE

Relinquished By (Signature) <u>Jerry Jans</u>	Organization <u>GTI</u>	Date/Time <u>4/5/96 8:30</u>	Received By (Signature) <u>Paula Bonelli</u>	Organization <u>Seq</u>	Date/Time <u>4/5/96 1:35</u>	Turn Around Time (Circle Choice) 24 hrs. 48 hrs. 6 Days 10 Days As Contracted
Relinquished By (Signature) <u>Paula Bonelli</u>	Organization <u>Seq</u>	Date/Time <u>4/5/96 3:10</u>	Received By (Signature)	Organization	Date/Time	
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature) <u>Paula Bonelli</u>		Date/Time <u>4/5 1540</u>	

37
Chevron U.S.A. Inc.
P.O. BOX 5004
San Ramon, CA 94583
FAX (415)842-9591

Chevron Facility Number 9-1723
Facility Address 9757 SAN LEANDEO BLVD
Consultant Project Number 020700080
Consultant Name Groundwater Technology, Inc.
Address 1406 HILYARD DR #140 WEST SACRAMENTO
Project Contact (Name) JASON FEDOTA
(Phone) 916 372 4700 (Fax Number) 913 372 8781

Chevron Contact (Name) Kenneth KAN
(Phone) (510) 842 9500
Laboratory Name SEQUOIA
Laboratory Release Number 2147784
Samples Collected by (Name) TERRY JAMES
Collection Date 4/1/96
Signature Terry James

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	Iced (Yes or No)	Analyse To Be Performed										Remarks		
								BTEX + TPH CAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd, Cr, Pb, Zn, Ni (ICAP or AA)					
7 SB-3-5		1	S	G	9:50	No	Yes												6040721	
8 SB-3-10					10:05														6040722	
SB-3-15					10:15															
SB-4-5					11:05															
* SB-4-10					11:10														6040722	6040723
x SB-4-15					11:20														6040723	6040724
SB-2-5					12:00															
* SB-2-10					12:05															6040725
SB-5-5					13:15															
7 SB-5-10					13:30															6040726
SB-5-15					13:45															
* SB-9-5					14:15															6040727
* SB-9-10					14:25															6040728
SB-9-15					14:35															

NOTE:
Do NOT BILL
TB-LB SAMPLE

Relinquished By (Signature) <u>Terry James</u>	Organization <u>GTI</u>	Date/Time <u>4/5/96 8:30</u>	Received By (Signature) <u>Ralph Bonilla</u>	Organization <u>Seq</u>	Date/Time <u>4/5/96 1:35</u>	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 5 Days 10 Days As Controlled
Relinquished By (Signature) <u>Ralph Bonilla</u>	Organization <u>Seq</u>	Date/Time <u>4/5/96 3:40</u>	Received By (Signature)	Organization	Date/Time	
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature) <u>Charles</u>		Date/Time <u>4/5 1540</u>	

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

Chevron Facility Number 9-1723
Facility Address 9757 SAN LEANDRO BLVD
Consultant Project Number 02070 0080
Consultant Name GROUNDWATER TECHNOLOGY
Address 1401 HALYARD DR, #140, WEST SACRAMENTO
Project Contact (Name) JASON FEDOTA
(Phone) 9163724700 (Fax Number) 9163728781

Chevron Contact (Name) KENNETH KAN
(Phone) 510 842 9500
Laboratory Name SEQUOIA
Laboratory Release Number 2147784
Samples Collected by (Name) TERRY JAMES
Collection Date 4/4/96
Signature Terry James

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Diurnal	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed										Remarks	
								BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (8520)	Purgeable Hydrocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd, Cr, Pb, Zn, Ni (ICAP or AA)				
SB-10-15		1	S	G	14:30	NO	yes											6040754	
SB-8-5		1			14:55													6040755	
SB-8-10		1			15:05													6040756	
SB-8-15		1			15:15													6040757	
comp					15:30														
TBLB		2	W	G		Yes	yes											6040761	AB

NOTE:
Do NOT BILL
TB-LB SAMPLES

Relinquished By (Signature) Terry James
Relinquished By (Signature) Ralph Bonilla
Relinquished By (Signature)

Organization GTI
Organization Seq
Organization

Date/Time 4/5/96 8:30
Date/Time 4/5/96 3:10
Date/Time

Received By (Signature) Ralph Bonilla
Received By (Signature)
Received for Laboratory By (Signature) Charles

Organization Seq
Organization

Date/Time 4/5/96 11:35
Date/Time
Date/Time 4/5 1540

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

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

9604182 Chain-of-Custody-Record

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

Chevron Facility Number 9-1723
Facility Address 9757 SAN LEANDRO BLVD
Consultant Project Number 02070 0080
Consultant Name GROUNDWATER TECHNOLOGY
Address 1401 HAYWARD DR, #140, WEST SACRAMENTO
Project Contact (Name) JASON FEDOTA
(Phone) 9163724700 (Fax Number) 9163728781

Chevron Contact (Name) KENNETH KAN
(Phone) 510 842 9500
Laboratory Name SEQUOIA
Laboratory Release Number 2147784
Sample Collected by (Name) Jerry James
Collection Date 4/5/96
Signature Jerry James

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Chloroform	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analytes To Be Performed											Remarks	
								BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Hydrocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Mercury Cd, Cr, Pb, Zn, Ni (ICAP or AA)					
SB-12-5		1	S	G	11:50	NO	YU												6040736	
SB-12-10		1	S		12:00														6040737	
SB-13-5		1	S		9:15															
SB-13-10		1	S		4:30														6040738	
SB-15-5		1	S		13:00														6040739	
SB-15-10		1	S		13:10														6040740	
SB-16-5		1	S		13:30														6040741	
SB-16-10		1	S		13:40														6040742	
SB-17-5		1	S		9:45															
SB-17-10		1	S		10:20														6040743	
SB-19-5		1	S		14:45															
SB-19-10		1	S		14:55														6040744	
SB-19		3	W		15:00	YU													6040759	AC
SB-20-5		1	S		14:00	NO														

NOTE:
Do NOT BILL
TB-LB SAMPLES

Relinquished By (Signature) <u>Jerry James</u>	Organization <u>GTI</u>	Date/Time <u>4/5/96 8:30</u>	Received By (Signature) <u>Ralph Bonilla</u>	Organization <u>Seq</u>	Date/Time <u>4/5/96 1:25</u>	Turn Around Time (Circle Choice) 24 hrs. 48 hrs. 5 Days 10 Days As Contracted
Relinquished By (Signature) <u>Ralph Bonilla</u>	Organization <u>Seq</u>	Date/Time <u>4/5/96 3:40</u>	Received By (Signature)	Organization	Date/Time	
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature) <u>Charles</u>		Date/Time <u>4/5 1540</u>	

Fax copy of Lab Report and COC to Chevron Contact: Yes No **9604182Chain-of-Custody-Record**

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

Chevron Facility Number 9-1723
Facility Address 9757 SAN LEANDRO BLVD
Consultant Project Number 02070 0080
Consultant Name GROUNDWATER TECHNOLOGY
Address 1401 HALYARD DR, #140, WEST SACRAMENTO
Project Contact (Name) JASON FEDOTA
(Phone) 9163724700 (Fax Number) 9163728781

Chevron Contact (Name) KENNETH KAN
(Phone) 510 842 9500
Laboratory Name SEQUOIA
Laboratory Release Number 2147784
Samples Collected by (Name) JERRY JAMES
Collection Date 4/3/96
Signature Jerry James

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air Y = Water C = Charcoal	Type C = Carb C = Composite D = Diatom	Time	Sample Preservation	Iced (Yes or No)	Analysis To Be Performed											Remarks				
								BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd, Cr, Pb, Zn, Ni (ICAP or AA)								
SB-20-10		1	S	G	1410	ND	Yes														6040746	6040745	

NOTE:
Do NOT BILL
TB-LB SAMPLES

Relinquished By (Signature) <u>Jerry James</u>	Organization <u>GTT</u> <u>4/5/96</u>	Date/Time <u>8:30</u> <u>4/5/96</u>	Received By (Signature) <u>Ralph Baniello</u>	Organization <u>Seq</u>	Date/Time <u>1:35</u> <u>4/5/96</u>	Turn Around Time (Circle Choice) 24 hrs. 48 hrs. 6 Days 10 Days As Contracted
Relinquished By (Signature) <u>Ralph Baniello</u>	Organization <u>RGT</u> <u>Seq</u>	Date/Time <u>3:40</u> <u>4/5/96</u>	Received By (Signature) <u> </u>	Organization <u> </u>	Date/Time <u> </u>	
Relinquished By (Signature) <u> </u>	Organization <u> </u>	Date/Time <u> </u>	Received For Laboratory By (Signature) <u> </u>	Organization <u> </u>	Date/Time <u>4/5/96 15:10</u>	



**Sequoia
Analytical**

680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite B

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

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

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

Groundwater Technology
1401 Halyard Dr., Ste. 140
West Sacramento, CA 95691
Attention: Jason Fedota

Client Project ID: Chevron #9-1723
Matrix Descript: Soil
Analysis Method: EPA 418.1 (I.R. with clean-up)
First Sample #: 604-1862

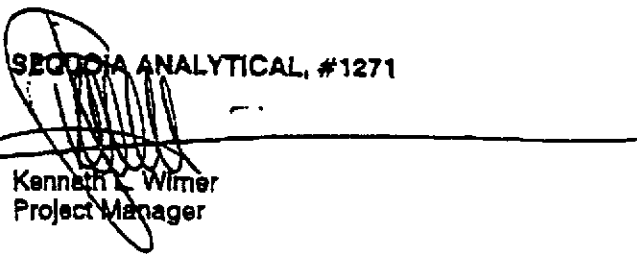
Sampled: Apr 1, 1996
Received: Apr 25, 1996
Extracted: Apr 29, 1996
Analyzed: Apr 29, 1996
Reported: May 7, 1996

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Sample Number	Sample Description	Petroleum Oil mg/kg (ppm)	D.L. Mult. Factor	QC Batch Number	Instrument ID
604-1862	SB-1-10	78	1.0	SP0429964181MDA	Miran 1A
604-1863	SB-2-10	24	1.0	SP0429964181MDA	Miran 1A
604-1864	SB-3-10	35	1.0	SP0429964181MDA	Miran 1A
604-1865	SB-4-10	940	25	SP0429964181MDA	Miran 1A

Detection Limits: 5.0

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

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
Project Manager



Sequoia Analytical

680 Chesapeake Drive
404 N. Wiget Lane
819 Stricker Avenue, Suite 8

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

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

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

Groundwater Technology
1401 Halyard Dr., Ste. 140
West Sacramento, CA 95691
Attention: Jason Fedota

Client Project ID: Chevron #9-1723
Matrix: Solid

QC Sample Group: 6041862 thru 1865

Reported: May 7, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Oil and Grease
QC Batch#:	SP042996
	4181MDA
Analy. Method:	EPA 418.1
Prep. Method:	EPA 3510
Analyt:	1 Daivand
MS/MSD #:	6041862
Sample Conc.:	24 mg/kg
Prepared Date:	4/29/96
Analyzed Date:	4/29/96
Instrument I.D.#:	Miran 1A
Conc. Spiked:	125 mg/kg
Result:	160
MS % Recovery:	107
Dup. Result:	140
MSD % Recov.:	95
RPD:	10
RPD Limit:	0-30

LCS #:	LCS042996
Prepared Date:	4/29/96
Analyzed Date:	4/29/96
Instrument I.D.#:	Miran 1A
Conc. Spiked:	125 mg/kg
LCS Result:	130
LCS % Recov.:	104

MS/MSD	
LCS	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.

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

SEQUOIA ANALYTICAL, #1271

Kenan L. Wimer
Project Manager



Sequoia Analytical

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

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

(415) 364-9600
(415) 888-9600
(916) 921-0100

FAX (415) 364-9233
FAX (510) 888-9673
FAX (916) 921-0100

REQUEST TO RELOG SAMPLES

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

CLIENT: Groundwater Technologies

MATRIX: Soil

PREVIOUSLY LOGGED SAMPLES

TAT Change status to: 10 day
Change status as of Day: 4/25/96 Time: 1:20 PM

CHANGE ANALYSES

Add Analyses

Cancel Analyses

Sequoia Project ID: 9604182

Sample Number Analyses

604-0731	418.1	6041862
604-0725	418.1	6041863
604-0722	418.1	6041864
604-0723	418.1	6041865
NA	NA	
NA	NA	
NA	NA	

SAMPLES ON HOLD

Sample Description

Analyses

NA	NA
NA	NA
NA	NA
NA	NA
NA	NA
NA	NA
NA	NA
NA	NA
NA	NA
NA	NA

Client Authorization (Person/Date/Time): Brian M. 4/25/96 1:20 PM

Project Manager: Ken Wimer

916 372 8781
 CHEVRON U.S.A. INC.
 916 372 8781
 CHEVRON U.S.A. INC.
 916 372 8781
 CHEVRON U.S.A. INC.
 916 372 8781

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

Chevron Facility Number 9-1723
 Facility Address 9757 SAN LEANDRO BLVD
 Consultant Project Number 020700080
 Consultant Name Groundwater Technology, Inc.
 Address 1407 HILYARD DR #140 West Sacramento
 Project Contact (Name) JASON FEDOTA
 (Phone) 916 372 4709 (Fax Number) 913 372 8781

Chevron Contact (Name) Kenneth Kan
 (Phone) (510) 842 9500
 Laboratory Name SEQUOIA
 Laboratory Reference Number 2147784
 Samples Collected by (Name) TERRY JAMES
 Collection Date 4/1/96
 Signature Terry James

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Lead (Yes or No)	Analyses To Be Performed										Remarks	
								BTEX + TPH GAS (8020 + 8015)	TPH Dissolved (8015)	Oil and Grease (5520)	Priority Hydrocarbons (8010)	Priority Aromatics (8020)	Priority Organics (8240)	Environmental Organics (8270)	Trace Metals (ICAP or I4)	Hold			
SB-3-5		1	S	G	9:50	No	Yes											6040721	
SB-3-10					10:05													6040722	
SB-3-15					10:15														
SB-4-5					11:05														
SB-4-10					11:10													6040722	6040722
SB-4-15					11:20													6040723	6040723
SB-2-5					12:00														
SB-2-10					12:05													6040725	
SB-5-5					12:15														
SB-5-10					13:20													6040726	
SB-5-15					13:45														
SB-9-5					14:15													6040727	
SB-9-10					14:25													6040728	
SB-9-15					14:35														

NOTE:
 Do NOT BI
 TB-LB SAM

Requested By (Signature) <u>Terry James</u>	Organization <u>GTI</u>	Date/Time <u>4/5/96 8:30</u>	Received By (Signature) <u>Ralph Bonnell</u>	Organization <u>Seq</u>	Date/Time <u>4/5/96</u>	Turn Around Time (Circle Check) <input type="checkbox"/> 24 Hrs. <input type="checkbox"/> 48 Hrs. <input type="checkbox"/> 5 Days <input type="checkbox"/> 10 Days <input checked="" type="checkbox"/> As Contracted
Requested By (Signature) <u>Ralph Bonnell</u>	Organization <u>Seq</u>	Date/Time <u>3:40</u>	Received By (Signature)	Organization	Date/Time	
Requested By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature) <u>Charles...</u>		Date/Time <u>4/5 1540</u>	

210 512 010112 0

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

Chevron Facility Number 9-1723
Facility Address 9757 SAN LEANDRO BLVD
Consultant Project Number 02070 0080
Consultant Name GROUNDWATER TECHNOLOGY
Address 1401 HAYWARD DR, #140, WEST SACRAMENTO
Project Contact (Name) JASON FERDIA
(Phone) 916.372.4700 (Fax Number) 916.372.8781

Chevron Contact (Name) KENNETH KAN
(Phone) 510 842 9500
Laboratory Name SEQUOIA
Laboratory Release Number 214-7784
Samples Collected By (Name) TERRY JAMES
Collection Date 4/2/86
Signature Jerry Gunn

WALNUT STREET

3 - 0 - 30

TRUCKEE AVENUE

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water G = Other	Type C = Gas G = Condensable D = Dissolved	Time	Sample Preservation	Leak (Yes or No)	Analyse To Be Performed										Remarks					
								BTEX + TPH GAS (8020 + 8015)	TPH (8015)	Oil and Grease (8020)	Polycyclic Hydrocarbons (8010)	Polyaromatics (8020)	Pesticides Organics (8040)	Environmental Organics (8070)	Various Chlorinated (8030 or 8040)								
SB-1-5		1	S	G	11:15	NO	Yes																
SB-1-10					11:30																		
SB-1-15					11:40																		
SB-21-5					10:45																		
SB-22-5					10:00																		
SB-22-10					10:10																		
SB-23-5					9:30																		
SB-23-10					11:40																		
SB-22		3	W		10:30	Yes	Yes																

NOTE:
Do Not Bill
TB-LB JAMP

6/9/86

6040731
6040732
6040733
6040734
6040735
6040737

Inspected By (Signature) <u>Jerry Gunn</u>	Organization <u>GFI</u>	Date/Time <u>4/5/86 8:20</u>	Received By (Signature) <u>Ralph Braville</u>	Organization <u>Seq</u>	Date/Time <u>4/5/86 1:35</u>	Turn Around Time (Circle Choice) <input type="checkbox"/> 24 Hrs. <input type="checkbox"/> 48 Hrs. <input type="checkbox"/> 5 Days <input type="checkbox"/> 10 Days <input type="checkbox"/> As Contracted
Inspected By (Signature) <u>Ralph Braville</u>	Organization <u>Seq</u>	Date/Time <u>4/5/86 3:40</u>	Received By (Signature)	Organization	Date/Time	
Inspected By (Signature)	Organization	Date/Time	Received for Laboratory By (Signature) <u>Choclat</u>	Date/Time <u>4/5 1540</u>		