

## UST, Product Piping, and Oil/water Separator Removal and Overexcavation Soil Sampling Report

Former Chevron Service Station Number 9-4463 1801 Park Street Alameda, California

prepared for

Chevron U.S.A. Products Company 6001 Bollinger Canyon Road San Ramon, California

prepared by

**Touchstone Developments** 

Robert C. Mallory

**Project Manager** 

Marc Seeley CEG #1014

**Technical Review** 

January 19, 1996

#### INTRODUCTION

This report prepared by Touchstone Developments (Touchstone) documents the removal of gasoline Underground Storage Tanks (USTs), associated piping, and a car wash oil/water separator sump. In addition, this report describes and documents overexcavation activities and disposal of soil generated at the above referenced location (Figure 1).

Gasoline USTs and product piping removal at this location was performed on October 18, 1995. Overexcavation activities and oil/water separator removal were performed on October 31, 1995.

#### SITE CONDITIONS

The former service station site consisted of three 10,000 gallon gasoline storage tanks, associated product piping, two dispenser islands, and a station building housing a car wash with an oil/water separator. Groundwater was encountered in the UST excavation at approximately 12 feet below ground surface (bgs).

#### SERVICE STATION FIELD ACTIVITIES

UST and associated piping removal, excavation, and backfill was performed by American Construction of Livermore, California. A Touchstone representative was on site to observe the removal/excavation activities, and to collect soil samples from the excavations and soil stockpiles. Eva Chu from the Alameda County Health Care Services Agency (ACHCSA) and Steven McKinley from the City of Alameda Fire Department were present during the UST removal on October 18, 1995. Also on-site were Mark Miller and Doyle Warnock of Chevron U.S.A. Products Company. Eva Chu was also on-site on October 31, 1995 to observe overexcavation activities in the area of the easternmost pump island. Transportation and disposal of the USTs and associated piping was accomplished by Erickson, Inc. of Richmond, California. UST and piping disposal manifests are presented in Appendix A.

### **UST Sampling**

Soil samples T-1-10.5, T-1-7.0, T-2-11.0, T-3-10.5, T-4-11.0, T-5-10.5, T-6-10.5, and T-7-10.5 were collected from the sidewalls of the gasoline UST excavation, in native soil, at approximately 7 to 11 feet bgs. A water sample was not collected from the UST excavation, with the approval of Eva Chu, due to the close proximity of groundwater monitoring wells to the UST complex. The UST excavation measured approximately 40 feet long by 40 feet wide and 13 feet

9-4463 Page 1

deep. Soil sample locations are shown on Figure 2 and analytical data and sample depths are presented in Table A.

#### **Product Piping Sampling**

Soil samples P-1-4.0 and P-2-4.0 were collected in native soil from trenches beneath the former product lines at depths of approximately 4 feet bgs. Soil sample locations are shown on Figure 2 and soil sample analytical results are summarized in Table A.

## Oil/Water Separator Sampling

Soil samples OWS-N-8.0 and OWS-S-7.5 were collected from beneath a concrete oil/water separator located inside the station building and utilized to recycle car wash water. The samples were collected at depths of approximately 7 1/2 and 8 feet bgs. The sample locations are presented on Figure 2 and soil sample analytical are summarized in Table A.

### **OVEREXCAVATION SAMPLING ACTIVITIES**

## Pump Island Excavation Activities

On October 31, 1995, the northeastern pump island, encompassing the area of soil samples T-3-10.5 and P-2-4.0, was overexcavated. The dimensions of the overexcavation were approximately 20 feet long by 10 feet wide by 9 feet bgs deep. Confirmation soil samples PX-1-8.0, PX-2-7.5, and PX-3-7.5 were collected from each sidewall of the overexcavated area. Approximately 100 cubic yards (cy) of soil were removed during overexcavation activities and stockpiled on-site. The pump island overexcavation extent and soil sample locations are shown on Figure 3 and soil sample analytical data are presented in Table B.

#### STOCKPILE SAMPLING AND DISPOSAL

Soil stockpiles SP-1 through SP-5 represents approximately 250 cy of soil and pea gravel generated from UST and piping removal activities. One discrete soil sample was collected and analyzed for approximately every 50 cy of stockpiled material. Upon receipt of chemical analytical data, stockpiles SP-1 through SP-5 were reused on-site with the approval of Eva Chu of the ACHCSA.

Soil stockpile SP-6(A-D) represents soil generated during overexcavation of the pump island. Four soil samples were collected and combined for approximately every 100 cy of stockpiled material. Upon receipt of chemical analytical data,

9-4463 Page 2

soil represented by composite SP-6(A-D) was transported by Allwaste Transportation and Remediation, Inc. (Allwaste) to Browning-Ferris Industries' (BFI) Vasco Road Landfill located in Livermore, California. BFI Non-Hazardous Waste Manifests are presented in Appendix A.

#### SAMPLING PROTOCOL

Verification soil samples were collected from the excavation sidewalls and/or bottoms at various depths or where hydrocarbon impact was suspected. Soil samples were collected from the excavator or backhoe bucket by removing the top few inches of soil and pushing a clean, six-inch-long, two-inch diameter, brass sample tube into the soil until completely full. The ends of the sample tubes were covered with aluminum foil and sealed with plastic end caps. The samples were then labeled, placed in a cooler with ice, entered on a Chain-of-Custody form and transported to Sequoia Analytical, a State-certified environmental laboratory located in Redwood City, California.

#### Stockpile Sampling

Four soil samples were collected for approximately every 75-100 cy of material generated and off-hauled from the site. The four samples were then combined in the laboratory and analyzed as one. One discrete soil sample was collected for every 50 cy of soil material reused on-site. All stockpile samples were collected by removing the top 6 to 12 inches of soil, then pushing a sample tube or glass jar into the soil until completely full. The samples were sealed, labeled and handled as described above.

#### SAMPLE ANALYSIS

Soil samples collected from the UST excavations, product piping trenches, dispensers and associated stockpiles were analyzed for Total Petroleum Hydrocarbons calculated as gasoline (TPH-Gasoline) according to EPA Method 8015 (Modified), Benzene, Toluene, Ethylbenzene and Xylenes (BTEX) according to EPA Method 8020, and Total Lead according to EPA SW-846 6010.

The soil samples collected from the oil/water separator were analyzed for one or more of the following: TPH-Gasoline, BTEX, Total Recoverable Petroleum Hydrocarbons according to Standard Methods method 5520 E&F, Cadmium, Chromium, Lead, Nickel, & Zinc according to EPA Method SW-846. Copies of the analytical laboratory reports and Chain-of-Custody forms are presented in Appendix B.

9-4463 Page 3

## TABLES

TABLE A

# UST Excavation, Product Piping, and Oil/water Separator Sampling Summary Former Chevron Service Station No. 9-4463 1801 Park Street, Alameda, California

Results in mg/Kg - parts per million (ppm)

#### **UST Excavation and Piping Sampling Results**

| Sample ID | Depth<br>(ft.) | Laboratory | Date      | TPH-<br>Gasoline | Benzene | Toluene | Ethylbenzene | Xylenes | MTBE | Lead |
|-----------|----------------|------------|-----------|------------------|---------|---------|--------------|---------|------|------|
| T-1-10.5  | 10.5           | Sequoia    | 18-Oct-95 | ND               | ND      | ND      | ND           | ND      | ND   | ND   |
| T-1-7.0   | 7              | Sequoia    | 18-Oct-95 | 37               | 0.053   | ND      | 0.11         | 0.31    | ND   | 5.1  |
| T-2-11.0  | 11             | Sequoia    | 18-Oct-95 | ND               | 0.035   | ND      | 0.0055       | 0.013   | 80.0 | ND   |
| T-3-10.5  | 10.5           | Sequola    | 18-Oct-95 | 8800             | 27      | 400     | 180          | 990     | ND   | ND   |
| T-4-11.0  | 11             | Sequoia    | 18-Oct-95 | ND               | 0.022   | ND      | ND           | 0.0052  | 0.89 | ND   |
| T-5-10.5  | 10.5           | Sequoia    | 18-Oct-95 | ND               | 0.059   | ND      | ND           | ND      | 0.26 | ND   |
| T-6-10.5  | 10.5           | Sequoia    | 18-Oct-95 | ND               | ND      | ND      | ND           | ND      | 0.25 | ND   |
| T-7-10.5  | 10.5           | Sequola    | 18-Oct-95 | ND               | ND      | ND      | ND           | ND      | 0.64 | DN   |
| P-1-4.0   | 4              | Sequoia    | 18-Oct-95 | ND               | ND      | ND      | ND           | ND      | ND   | ND   |
| P-2-4.0   | 4              | Sequoia    | 18-Oct-95 | ND               | ND      | ND      | ND           | ND      | ND   | ND   |

### Oil/water Separator Sampling Results

| Sample ID | Depth<br>(ft.) | Laboratory | Date      | TPH-<br>Gasoline | Benzene | Toluene | Ethylbenzene | Xylenes | TRPH |
|-----------|----------------|------------|-----------|------------------|---------|---------|--------------|---------|------|
| OWS-N-8.0 | 8              | Sequoia    | 31-Oct-95 | 1.7              | ND      | ND      | ND           | ND      | ND   |
| OWS-S-7.5 | 7.5            | Sequoia    | 31-Oct-95 | ND               | ND      | ND      | ND           | ND      | ND   |

## **TABLE A**

# UST Excavation, Product Piping, and Oil/water Separator Sampling Summary Former Chevron Service Station No. 9-4463 1801 Park Street, Alameda, California

Results in mg/Kg - parts per million (ppm)

| Sample ID | Depth<br>(ft.) | Laboratory | Date      | Cadmium | Chromium | Lead | Nickel | Zinc |
|-----------|----------------|------------|-----------|---------|----------|------|--------|------|
| OWS-N-8.0 | 8              | Sequoia    | 31-Oct-95 | ND      | 34       | ND   | 31     | 18   |
| OWS-S-7.5 | 7.5            | Sequoia    | 31-Oct-95 | ND      | 30       | ND   | 30     | 23   |

TPH-Gasoline = Total Petroleum Hydrocarbons calculated as Gasoline.

TRPH = Total Recoverable Petroleum Hydrocarbons (SM 5520 E&F Mod.).

MTBE = Methyl t-Butyl Ether.

ND = Not detected at or above laboratory detection limits.

NA = Analysis not requested.

## TABLE B

## Overexcavation Sampling Summary Former Chevron Service Station No. 9-4463 1801 Park Street, Alameda, California

Results in mg/Kg - parts per million (ppm)

#### **Piping Overexcavation Sampling Results**

| Sample ID | Depth (ft.) | Laboratory | Date      | TPH-<br>Gasoline | Benzene | Toluene | Ethylbenzene | Xylenes | мтве |
|-----------|-------------|------------|-----------|------------------|---------|---------|--------------|---------|------|
| PX-1-8.0  | 8           | Sequoia    | 31-Oct-95 | 1500             | ND      | 37      | 25           | 130     | ND   |
| PX-2-7.5  | 7.5         | Sequoia    | 31-Oct-95 | 2200             | ND      | 47      | 43           | 250     | ND   |
| PX-3-7.5  | 7.5         | Sequoia    | 31-Oct-95 | 310              | 1.7     | 14      | 6.8          | 35      | ND   |

TPH-Gasoline = Total Petroleum Hydrocarbons calculated as Gasoline.

MTBE = Methyl t-Butyl Ether.

ND = Not detected at or above laboratory detection limits.

## **TABLE C**

# Soil Stockpile Sampling Summary Former Chevron Service Station No. 9-4463 1801 Park Street, Alameda, California

Results in mg/Kg - parts per million (ppm)

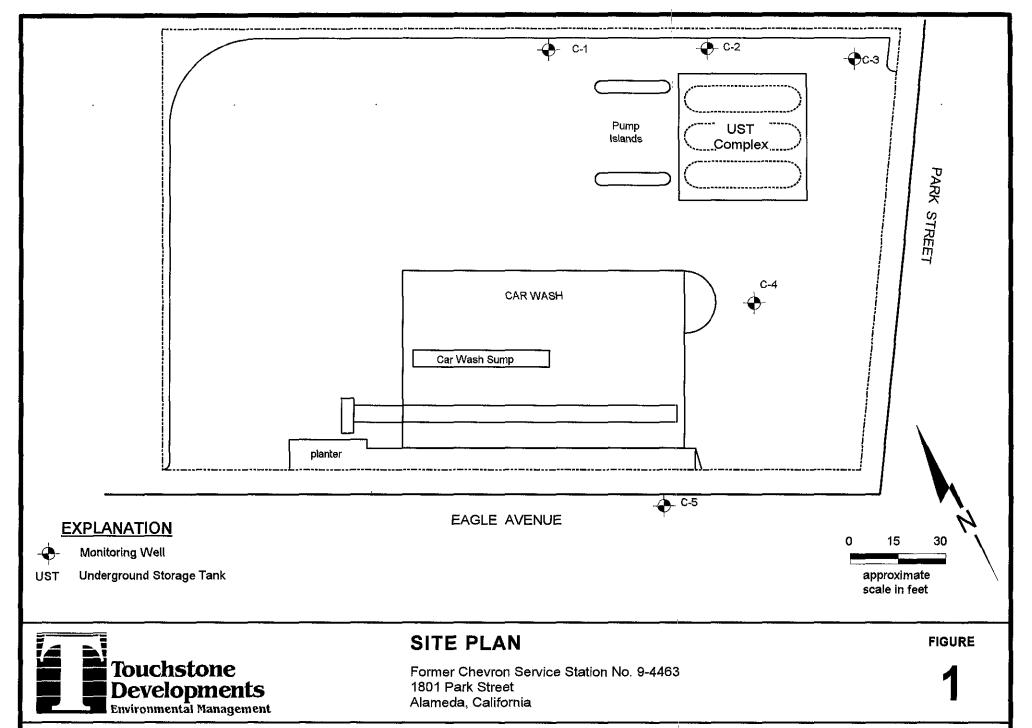
#### UST and Piping Excavation Soil Stockpile Sampling Results

| Sample ID | Laboratory | Date      | TPH-Gasoline | Benzene | Toluene | Ethylbenzene | Xylenes | Lead |
|-----------|------------|-----------|--------------|---------|---------|--------------|---------|------|
| SP-1      | Sequoia    | 31-Oct-95 | ND           | ND      | ND      | ND           | ND      | 5.6  |
| SP-2      | Sequoia    | 31-Oct-95 | ND           | ND      | 0.014   | 0.0070       | 0.040   | 11   |
| SP-3      | Sequoia    | 31-Oct-95 | ND           | ND      | 0.015   | 0.0083       | 0.042   | 35   |
| SP-4      | Sequoia    | 31-Oct-95 | ND           | ND      | ND      | ND           | 0.0     | 8.0  |
| SP-5      | Sequoia    | 31-Oct-95 | ND           | ND      | ND      | ND           | ND      | 14   |
| SP-6(A-D) | Sequoia    | 31-Oct-95 | 350          | ND      | 9.5     | 6.8          | 39.0    | 13   |

TPH-Gasoline = Total Petroleum Hydrocarbons calculated as Gasoline.

ND = Not detected at or above laboratory detection limits.

## FIGURES



PROJECT NO. 9-4463

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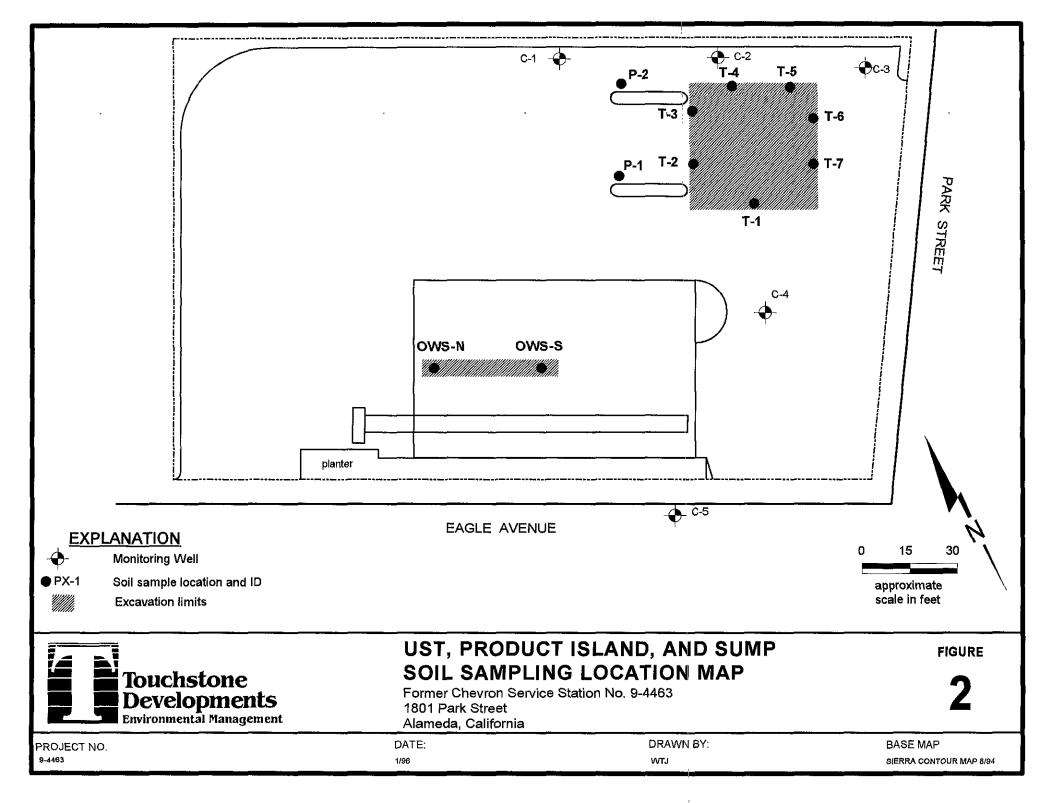
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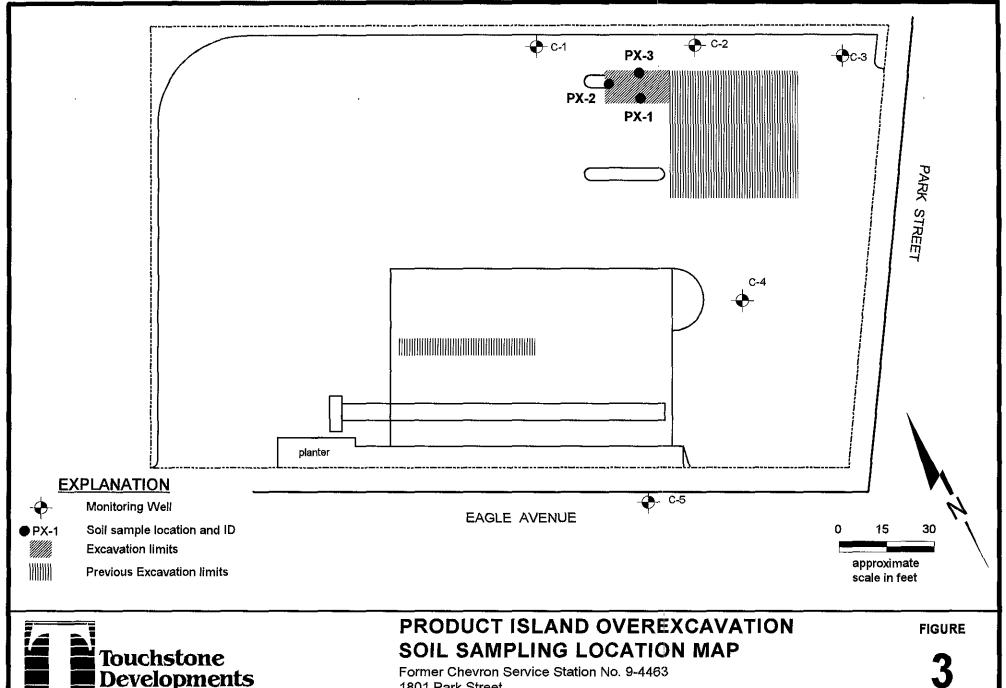
BASE MAP

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SIERRA CONTOUR MAP 8/94







PROJECT NO. 9-4463

1801 Park Street Alameda, California

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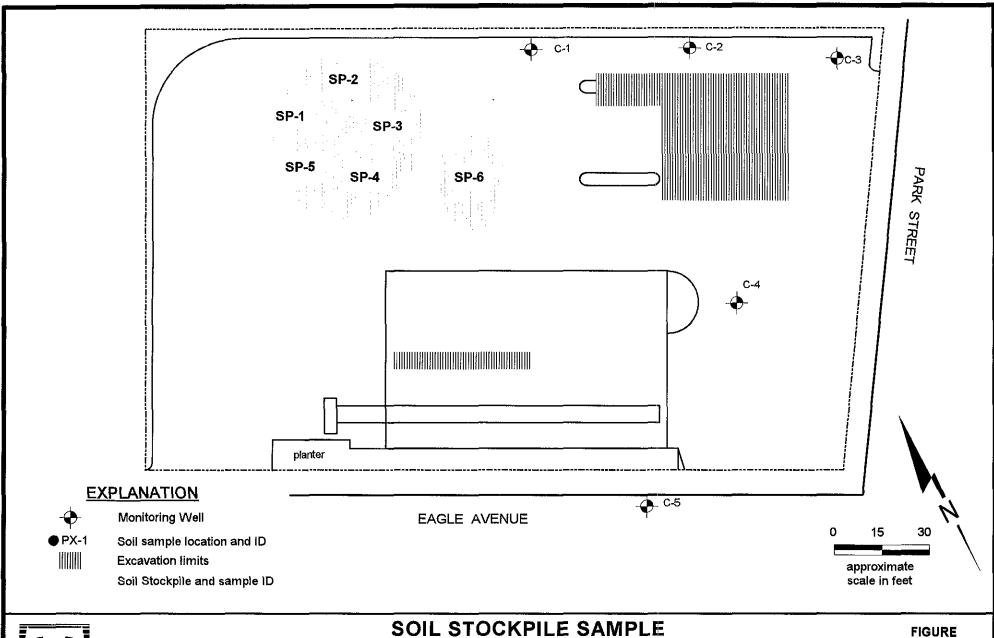
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SIERRA CONTOUR MAP 8/94





## **LOCATION MAP**

Former Chevron Service Station No. 9-4463 1801 Park Street Alameda, California

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## APPENDIX A

## MANIFESTS

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| IDS. DTY ICE PET 100  15 Special Manufacy Instructions and Addition  16 GENERATOR'S CERTIFICATION: The packed marked, and tabeled, and one if I om a large quantity generator, I economically precticable and that I has threat to human health and the anxies waste management method that is available of Typed Name  17. I amboure 1 Advanced generator of Recommed/Typed Name  18. Thereporter 2 Advanced generator of Recommed/Typed Name  19. Therefore 2 Advanced generator of Recommed/Typed Name  10. Decreponcy Indication Space  6. A C.  | ional Information TCES OF IGNITION. Always Tontact Name. Lhorrow E reby declare that the contents of this consegment in all respects in proper condition for transport to certify that I have a program in place to reduce the selected the practicable method of treatment rement, CR, if I am a small quantity generator, liable to me and that I con afford.  Signature Teipt of Materials  Signature Signature Signature Signature   | wear harding and occurrence of the rolume and too, storage, or disposal I have stade a good                             | ely described to applicable sicity of wast currently available efforts                | above by proper international and a generated to the ideals to me while a minimate my with the control of the c | r chipping not notional g  | ame and are do overnment regular to the process and selection and select |
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DAY OR NIGHT TELEPHONE (510) 235-1393

## CERTIFICATE

## CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

PAGE.004

NO.18134

|          | <del>-</del> |   |
|----------|--------------|---|
| CUSTOMER |              | _ |
| HEVRON   | MARKET       |   |
| JOB NO.  |              | _ |
| 66819    |              |   |

| EST METHOD VISUAL GASTECH/1314 SMPN LAST PRODUCT UG  This is to certify that I have personally determined that this tank is in accordance with the American Petroleum Institute and have found the condition to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.  TANK SIZE 10000 GALLON TANK CONDITION SAFE FOR FIRE  REMARKS: OXYGEN 20 9% LOWER EXPLOSIVE LIMIT LESS THAN 0.1%  TIMEN PROCESSED, AND THEREFORE DESTROYED AT OUR FERMITTED HAZARDOUS  FOR FIGURE 1000 THE APPROPRIATE PERMITS FOR. AND HAS ACCEPTED THE TANK  WITHER TO US FOR FROCESSING.   | FOR:ERICKSON, INC. TANK NO16704   |
|--|---|
| This is to certify that I have personally determined that this tank is in accordance with the American Petroleum Institute and have found the condition to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.  TANK SIZE 10000 GALLON TANK CONDITION SAFE FOR FIRE  REMARKS: OXYGEN 20 9% LOWER EXPLOSIVE LIMIT LESS THAN 0.1% FINITION. INC. HEREBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN THEN PROCESSED, AND THEREFORE DESTROYED AT OUR FERMITTED HAZARDOUS TO FACILITY.  THE PROCESSED THE APPROPRIATE PERMITS FOR. AND HAS ACCEPTED THE TANK   | LOCATION: RICHMOND DATE: 95/19/23 TIME: 15:26   |
| Petroleum Institute and have found the condition to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.  TANK SIZE 10000 GALLON TANK CONDITION SAFE FOR FIRE  REMARKS: OXYGEN 20 9% LOWER EXPLOSIVE LIMIT LESS THAN 0.1%  SIZE OXYGEN 20 9% LOWER | TEST METHODUSUAL_GASTECH/1311 SMPN LAST PRODUCTUG   |
| REMARKS: OXYGEN 20 9% LOWER EXPLOSIVE LIMIT LESS THAN 0.1%  FINITION. INC. HEREBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN  THE PROCESSED. AND THEREFORE DESTROYED AT OUR FERMITTED HAZARDOUS  THE FACILITY.  THE FACILITY.  THE FACILITY.  THE FACILITY.   | Petroleum Institute and have found the condition to be in accordance with its assigned designation.  This certificate is based on conditions existing at the time the inspection herein set forth was                             |
| REMARKS: OXYGEN 20 9% LOWER EXPLOSIVE LIMIT LESS THAN 0.1%  FINITION. INC. HEREBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN  THE PROCESSED. AND THEREFORE DESTROYED AT OUR FERMITTED HAZARDOUS  THE FACILITY.  THE FACILITY.  THE FACILITY.  THE FACILITY.   |   |
| FINITION. INC. HEREBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN TO THE PROCESSED. AND THEREFORE DESTROYED AT OUR FERMITTED HAZARDOUS OF TACILITY.  LIVER FOR INC. HAS THE APPROPRIATE PERMITS FOR. AND HAS ACCEPTED THE TANK   | TANK SIZE 10000 GALLON TANK CONDITION SAFE FOR FIRE   |
|  | FINITION. INC. HEREBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN THE PROCESSED. AND THEREFORE DESTROYED AT OUR FERMITTED HAZARDOUS TO THE FACILITY. THE PAGE INC. HAS THE APPROPRIATE PERMITS FOR. AND HAS ACCEPTED THE TANK |
|  |   |

In the event of any physical or atmospheric changes affecting the gas-free conditions of the above tanks, or if in any doubt, immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

## STANDARD SAFETY DESIGNATION

SAFE FOR MEN: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissable concentrations; and (c) In the judgment of the inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the inspector's certificate.

SAFE FOR FIRE: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration that permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

| of California—Environmental Protection Agency<br>Approved OMS No. 2050–0039 (Expires 9:30-96)   | See Instruction  | s on back a       | f page   |                       |                             | of fexe Substan                        |
|---|--|-------------------|--|-----------------------|-----------------------------|--|
| pow or year. Form designed for use on elds (12-ofich) typew   |  | onifest Documen   | No   | 766-819<br>2. Page    |                             | n the shaded as                        |
| UNIFORM HAZARDOUS   | प्रविद्यात्रम् । अवि   |                   | ا<br>ات ما                                       | , " l                 |                             | d by Federal la                        |
| 3 Generator's Name and Mailing Address Character W. S.A.  | SHE ADDRESS  |                   |  | Monifest Document     | Number 9                    | 5592                                   |
| P.O.BOX SCC4<br>SANRAMON, CA. 94583   | ALAMEDALE  | 44501             |  | Gomerce of is 10      |                             | 1483                                   |
| 4 Generator's Phone (SVD) 842-957   | 6. US EPA ID Number  |                   |  | Transporter's ID      | - 1/2 5                     | V 4                                    |
| FRICKSON  | MAD INVIGILA   | 1:300             | D. Trans   | porter's Phone 57     | n- 23                       | 5-139                                  |
| 7 Transporter 2 Company Name  | 8. US EPA ID Numbr-  |                   | E. Stote   | Transporter's ID      |                             |  |
|   |  |                   | l  | porter's Phone        |                             |  |
| Operated Foolity None and Site Address  | 10 US EPA ID Number  |                   | G. Store   | FOCIETY'S 10  ADGOGLE | 4:661                       | 3921                                   |
| 048 Part Blwd.<br>Bidwond,CA. 94601   | 1C: A1D10[9] 9] 4] 6   | i ii ji 3 i 9 i 2 | H. Focu  | Auto Ohuman           | 10)235-                     |  |
| ·   |  | 12. Cor           | <del>lipiners</del>                              | 13 Fetel              | 14. Unit                    |  |
| 11 US DOT Description (actualing Proper Shipping No<br>"NIXW-RCRA Hazarrious Waste  |  | No.               | Туре   | Quantify              |                             | i. Weste Numb<br>Stat512               |
| •   |  | make-1            | T.2  | 1 mi ca / 1 in        |                             | EPA/CHE                                |
| G Waste Empty Storage Tark  |  | 260 \             |  | 88/65                 | -                           | Siche                                  |
| ξ<br>0  |  | 2 4               |  |                       | <u> </u>                    | EPA/Ofier                              |
| A   |  | 1                 | <del>                                     </del> |                       |                             | State                                  |
| 0   |  |                   |  |                       |                             | EPA/Other                              |
| *   |  |                   | <del>                                     </del> |                       |                             | State                                  |
|   |  |                   |  |                       | }                           | EPA/Other                              |
| 1. Additional Description for Materials Lived Above   | The state of the s |                   | K Hann   | Sing Codes for War    | tes Listed Abo              | ************************************** |
| Otv Empty Storage   | rank(s)# <i>[[6:704]</i>   |                   | o ;  | 7a                    | <b>b</b> .                  |  |
| lbs.Dry Ice Fer 1000 Ga   | been inerted with 15   |                   | 5.   | <u>*  </u>            | q.                          | <del></del> :                          |
| Fiber   | glass THUKS  | .4                | <u></u>  |                       | ]                           |  |
| 75 Second Handling Instructions and Additional Information of the Property and Property of the Control of the Property of the | at ivenition Assault we  | ar hand           | evs (  | men workin            | ng arou                     | dr i                                   |
| M.G.S.T. 's 24 Hr. Contac   | t Name <u>Chebron</u><br>Evnergency  | & Phone           | <u>1 80</u>                                      | <u>U 54.27.5</u>      | <i>∞</i> 23                 |  |
| 16 GENERATOR'S CERTIFICATION: I hereby declar   | See the content of this consignment one fil  | (ly and annual    | ty describ                                       | ed above by proper    | shipping nam                | e end are dossi                        |
| 16 GENERATOR'S CERTIFICATION: Thereby decice<br>procked, marked, and labeled, and are in all respect  | eds in proper condition for transport by high  | way actording to  | opplicat   | ale international and | national gave               | लालका क्लुब्रोको                       |
| If I am a large quantity generator, I certify that reconomically practicable and that I have selected   | the exections is seeing of the first the street of the contract of the contrac | ו מכוצים או הייני | OUTTO A C  | renger of the term,   | 1)                          |  |
| reconomically practicable and that I have selected threat to human health and the environments CR, waste management method that is available to me  | if I am a small quantity generator, I have   | made a good       | aith effor                                       | t to minimize my wi   | aste g <del>everati</del> o | n and select the                       |
| Printed Spord Name  | Signothica   | 11/00             |  | . 12                  | Morr                        | + 00y                                  |
| Doyle WARNOC  |  | Luca              |  |                       |                             |  |
| STANLEY D. WILE   | s Stary  | y C               | W  | yes_                  | 70                          | 28                                     |
| 8. Transporter 2 Admondedgement of Receipt of Mar<br>Parried Typed Name   | Signature  | /                 |  | <i>!</i>              | Mon                         | th Day                                 |
|   | !  |                   |  |                       | <u> </u>                    |  |
| 17 Oncresoncy Indication Space  P   |  |                   |  |                       |                             |  |
| A.<br>C.  |  |                   |  |                       |                             |  |
| 20 Excisity Owner or Operator Certification of receipt  | f of hazordous materials covered by this ma  | मंद्रित कास्कृत क | noted in i                                       | lem 19.               | Morr                        | th Day                                 |
| 7 Provid Typed Nome Y This is the first the second  | Signature  | <                 |  |                       | 1 :                         | C1 / 1 B                               |

| Colifornia Environmental Protection Agency proved OMS No. 2050-0039 (Stolers 9:30-96) See Instruc   | ctions on back :   | at bade      | 6.611616                     |                      | of Toxic Subden  |
|---|--|--------------|------------------------------|----------------------|--|
| or or the form designed for use on eline (17-sitch) typewriter.  1. Generator's US EPA 10 No.   | Monifest Documen   |              | 700819<br>7 Page 17          |                      | Secramento, Chillifor<br>to in the shaded to                   |
| UNIFORM HAZARDOUS WASTE MANIFEST  CIAL GIC CE IZ IZ IZ ST   | و و ر نوموا  | 1/-1         | 3: 1.1                       |                      | ired by Federal fo   |
| 3 Operators's Name and Maring Address   | arent  | A. Snote     | Monifest Document            | Number               | )EE OO   |
| - 1 /3 ft / · f f f f (/ · ) / f  | the land   |              | 5                            |                      | 35592  |
| 12 12C+ SAM BAMERINE 1814 1910CA  | _(1-1400)  | 4            | Generator's 10<br>KIHKU ZIGK | 2417                 | 4831.1   |
| 5 Transporter T Company Name 6. US EPA ID Number  |  | C. Store     | Transporter's 10             | 12 5                 | 83   |
| BYANS Trucking 10AP 91823   | 31416121017  | D. Teans     | pener's Phone                | 473                  | 9590.  |
| 7 Tonsports 2 Company Name 8, US EPA ID Number  | 7)2(0)   | E State      | Transporter's 10             | <del></del>          |  |
|   | 11111  | 1            | porter's Phone               |                      |  |
| Designated Facility Name and Site Address 10, US EPA ID Number 52 1 1 N.S.O.T., 200   |  |              | FOCTOYS 10<br>4701010191     | 160 G                | 3901.1   |
| 253 Part Blwt.  |  | H. Fock      | M's Phone                    | ,                    |  |
| Findument, CA. 948-1 [C[A] D[0] 0] 3]   | ÷ 5 5 3 9 2  | <u> </u>     | 13. Total                    | 110,23<br>i 14. Umir | 5–1393   |
| 11 US DOT Description (including Proper Shipping Name, Hazord Class, and ID Number)   | No.  | Type         | Quantity                     | Wt/Vei               | I. Weste Numb  |
| % W-RURA Hazandous Waste Solid  |  | <u> </u>     | :<br>!                       | ;<br><u>;</u>        | Stat512  |
| Waste Empty Storage Tank.   | 001  | T P          | 08165                        | F                    | TICAL  |
| . 5   |  |              |                              | •                    | State  |
|   |  |              |                              | 1                    | EPA/OHA  |
| · ·   |  | }            |                              | !                    | State :  |
|   |  |              | 1                            | [                    | EA/Other   |
| d   |  |              |                              | :                    | Sharte   |
|   |  | } ,          |                              | 1                    | EPA/Other  |
| 1. Additional Descriptions for Materials Lived Walnut   |  | K. Hand      | Fing Codes for Was           | es Listed A          | bore   |
| OtyEmpty Storage Tank(s)# 6102<br>Tank(s) have been inerted with  |  | •            | <i>a</i> 9                   | b.                   | روفي در اين در اين<br>دوفي در اين در اين<br>دوفي در اين در اين |
| 1bs.Dry Ice Per 1000 Gallon Capacity.   | t  | t.           |                              | d.                   | -  |
| 15. Special Manufacing Instructions and Additional Information  |  | <u> </u>     |                              | 1                    | <u>-</u>   |
| - Rows amen from sources of ionition. Always  | wear hardh   | ats >        | hen workin                   | id aro               | urd<br>3   |
| U.G.S.T. 5 24 Hr. Contact Name Click He HU  Elner Sport Y   | a PROGE_   | <i>10</i> 0. | <del>2/-(-</del>             | - 64                 |  |
| 36 GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment  | are fully and accurate   | ly describe  | d above by proper            | shipping no          | me and are class   |
| pocked marked, and labeled, and are in all respects in proper condition for transport by  | y highway according to   | oppixap      | le international and         | national go          | vernment regulatio   |
| If 1 am a large quantity generator, I certify that I have a program in place to reduct economically practicable and that I have selected the practicable method of treatment, | the volume and toxic   | city of wo   | ste generated to the         | deares I             | have determined the present and t                              |
| threat to human booth and the environments OR if I am a small quantity generator, I waste management method that is available to me gold that I can afford.                   | have made a good f   | with effort  | to minimize my wa            | ste general          | ion and select the   |
| Commend Typed Name Significant  | 1.6.   |              | 7                            | Mo                   | ngh Doy  |
| 17 conscorer 1 Acknowledgement of Receipt of Materials  | <u> </u>   | <u>noon</u>  |                              |                      | 0;/[8]   |
| Signature (   | (SCICO)  |              |                              | Mo                   |  |
| 13. Transporter 2 Adhibited adjunction of Receipt of Materials  | The state of the s |              |                              | <u> </u>             |  |
| 9d Typed Name Signature   |  |              |                              | · ^                  | anta Cony  |
| 12 Distroprise Indicator Space  | 7.44   |              |                              |                      | <del></del>  |
|   |  |              |                              |                      |  |
| 20. Facility Owner or Operator Conflication of receipt of hazardous materials covered by th   | <del> </del>   |              |                              |                      |  |
|   |  |              | -m 19                        |                      |  |

FROM ERICKSON

DAY OR NIGHT TELEPHONE (510) 235-1393

# CERTIFICATE CERTIFIED SERVICES COMPANY

255 Parr Boulevard - Richmond, California 94801

PAGE.003

NO.18132

| CUSTOMER    |        |
|-------------|--------|
| HEVRON      | MARKET |
| JOB NO.     |        |
| <br>   <br> |        |

| TEST METHOD   |    | FOR: <u>ERICKSON INC. TANK NO. 16703</u>  |
|---|----|---|
| This is to certify that I have personally determined that this tank is in accordance with the American Petroleum Institute and have found the condition to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.  TANK SIZE 1800 GALLON TANK CONDITION SAFE FOR FIRE  REMARKS: OXIGEN 20.9% LOWER EXPLOSIVE LIMIT LESS THAN 0.1%  OXIGEN 20.9% LOWER EXPLOSIVE LIMIT LESS THAN 0.1%  OXIGEN 10.0% INC. HEREBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN PROCESSED AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS  OXIGEN 10.0% INC. HAS THE APPROPRIATE PERMITS FOR, AND HAS ECCEPTED THE TANK |    | LOCATION: RICHMOND DATE: 95/10/23 TIME: 16-23   |
| Petroleum Institute and have found the condition to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.  TANK SIZE 10000 GALLON TANK CONDITION SAFE FOR FIRE  REMARKS: OXYGEN 20.98 LOWED EXPLOSIVE LIMIT LESS THAN 0.1%  PROCESSED AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS  FACILITY.  THE ACCILITY.  THE SACK INC. HAS THE APPROPRIATE DESMITS FOR. AND HAS ECCEPTED THE TANK   | TΞ | ST METHODUSUAL_GASTECH/1311 SMPN LAST PRODUCTUG   |
| REMARKS: OXIGEN 20,9% LOWER EXPLOSIVE LIMIT LESS THAN 0.1%  13.00% INC. HEREBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN  13.00% PROCESSED AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS  13.00% FACILITY.  14.00% INC. HAS THE APPROPRIATE PERMITS FOR. AND HAS ACCEPTED THE TANK   |    | Petroleum Institute and have found the condition to be in accordance with its assigned designation.  This certificate is based on conditions existing at the time the inspection herein set forth was                       |
| REMARKS: OXIGEN 20,9% LOWER EXPLOSIVE LIMIT LESS THAN 0.1%  13.00% INC. HEREBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN  13.00% PROCESSED AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS  13.00% FACILITY.  14.00% INC. HAS THE APPROPRIATE PERMITS FOR. AND HAS ACCEPTED THE TANK   | _  |   |
| FIGURE INC. HEREBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN TO THE PROCESSED AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS TO FACILITY.  THE TANK INC. HAS THE APPROPRIATE PERMITS FOR AND HAS ICCEPTED THE TANK  |    | TANK SIZE 10000 GALLON TANK CONDITION SAFE FOR FIRE   |
|   |    | FIGN. INC. HEREBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN TO THE PROCESSED AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS OF FACILITY.  EL TORON INC. HAS THE APPROPRIATE PERMITS FOR AND HAS ECCEPTED THE TANK |
|   |    |   |

STANDARD SAFETY DESIGNATION

changes occur.

SAFE FOR MEN: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissable concentrations; and (c) In the judgment of the inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the inspector's certificate.

In the event of any physical or atmospheric changes affecting the gas-free conditions of the above tanks, or if in any doubt, immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric

SAFE FOR FIRE: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit: and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration that permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued

FROM ERICKSON

DAY OR NIGHT TELEPHONE (510) 235-1393

## CERTIFICATE

## CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

PAGE.002

NO.18131

| 114      | -+     |
|----------|--------|
| CUSTOMER |        |
| PHEVRON  | MARKET |
| JOB NO.  |        |
| L        |        |

|    | FOR: FRICKSON INC. TANK NO. 16702   |
|----|---|
|    | LOCATION: DATE:95/10/23 TIME:16.22  |
| ΤĘ | EST METHODVISUAL_CASTECH/1311 SMPN LAST PRODUCTUG   |
|    | This is to certify that I have personally determined that this tank is in accordance with the American Petroleum Institute and have found the condition to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions. |
|    | TANK SIZE 10000 GALLON TANK CONDITION SAFE FOR FIRE   |
|    | REMARKS: OXYGEN 20.92 LOWER EXPLOSIVE LIMIT LESS THAN 0.12  WE REDN. INC. HEREBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN  THE PROCESSED, AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS.  AND FACILITY.  THE TANK  HISTEL TO US FOR PROCESSING.   |
|    |   |

In the event of any physical or atmospheric changes affecting the gas-free conditions of the above tanks, or if in any doubt, immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

## STANDARD SAFETY DESIGNATION

SAFE FOR MEN: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissable concentrations; and (c) In the judgment of the Inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Inspector's certificate.

SAFE FOR FIRE: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration that permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the certifions and limitations under which it was issued.

| TI TOTTINEADOUS SEECIM   | IL MAGIE & ASDESTUS MANIFEST   |
|--|--|
| If waste is aspestos waste, com<br>If waste ISNOT aspestos waste   | plete Sections I, II, III and IV. No. 714750   |
| Section (Line 1997)  | West of the second seco |
| a. Generator Name: C//EV/20N USA.  | Generating Location: CHEVRON 55# 94#63   |
| c. Address: PO. BOX SOOY.  | Address: 1801 PAKIK STREET   |
| SAN RAMON &CA. 94583   | ALAMEDA, CA.   |
| e. Phone No.: (570) 842 8134   | Phone No.: MA.   |
| If owner of the generating facility differs from the generator, provide:   | Those House  |
| g. Owner's Name:   | Owner's Phone No::   |
| i. BFI WASTE CODE CA 405 120495  | S 4 4 4 3 Containers DM - METAL DRUM DP - PLASTIC DRUM   |
| j. Description of Waste: 50/L W.HYDROCORBON!   | k Quantity toks No. TYPE B - BAG BA - 6 MIL. PLASTIC BAG or WRAP   |
|  | 1/8 M O L T T T TRUCK TOTHER   |
| GENERATOR'S CERTIFICATION: I hereby certify that the above named material is no rany applicable state law, has been properly described, classified and packaged, an applicable regulations; AND, if the waste is a treatment residue of a previously rest Restrictions, I certify and warrant that the waste has been treated in accordance with a hazardous waste as defined by 40 CFR Part 261. For CHEVIZON MARK MILLER Generator Authorized Agent Name   | d is in proper condition for transportation according to the transportation according to the transportation according to Y - YARDS Y - YARDS The repulsionants of All CER Part 288 and in polecular transportation according to the transportation according to the transportation according to the transportation according to YARDS Y - YARDS  |
|  | Shipment Date 19.49  |
| The state of the s |  |
| a. Name: CROSS Truckins  | TRANSPORTER II   |
| b. Address: Po Pox 397   | h. Name:   |
| FORESTHILLY CA 95436   | i. Address:  |
| DOWN DOWN DE LE PORT DE LE   |  |
| d. Phone No.: 107-887-1/08 e. Truck No.: 2004  | PAINT/TYPE   |
| f. Vehicle License No./State: 96.2847  | k. Phone No.: i. Truck No.:  |
| Acknowledgement of Receipt of Materials.   | m. Vehicle License No./State:  |
| CRAMI WORKER   |  |
| Driver signature Shipment Date   | R. Driver Signature Shipment Date  |
|  | TOTAL SECTION  |
| a. Site Name:  | c. Phone No.:  |
| b. Physical Address:   | d. Mailing Address:  |
|  |  |
| e. Discrepancy Indication Space:   |  |
| I hereby certify that the above named material has been accorded and to  | he heat of my innerted to the innerted to territorial accounts   |

| I hereby certify that the above named mate | erial has been accepted and to the best of my knowledge the foregoin | ig is true and accurate        |
|--|--|--------------------------------|
|  |  |                                |
| f. Name of Authorized Agent                | 7/1 / 206/3  |                                |
|  | Receipt Date   | - Carrier All Market State Co. |

a. Operator's\* Name: b. Operator's\* Phone No.: c. Operator's\* Address: d. Special Handling Instructions and additional information: DPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.

e. Operator's\* Name & Title: Print/Type f. Name and Address of Responsible Agency: \_

g. 🗌 Friable; 🔲 Non-friable; 🔲 Both % friable % nonfriable

\* Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

RETURN TO GENERATOR

# LIF

## NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV. If waste is  $\underline{\text{NOT}}$  asbestos waste, complete only Sections I, II and III.

No. 714751

| Section Date William Section Date Section Da | the all of Section in   |
|--|---|
| a. Generator Name: CHCVRON USA.  | Generating Location: CNEVRWN SS# 9-4463   |
| _  | Address: 1801 PAPK ST.  |
| SAN RAMON, GA. 94583   | ALAMEDA CA.   |
|  | Phone No.: NA   |
| If owner of the generating facility differs from the generator, provide:   | Filone No.: 20 TV   |
| g. Owner's Name: h.  | Owner's Phone No.:  |
| i BFI WASTE CODE CA 405 /20495   | 5 4 4 4 3 Containers DM - METAL DRUM  |
| j. Description of Waste: SOIL W/HYDROCAN BONS  | DP - PLASTIC DRUM B - BAG BA - 6 MIL. PLASTIC BAG   |
|  | OF WRAP T - TRUCK OTHER   |
| GENERATOR'S CERTIFICATION: I hereby certify that the above named material is r   | of a hexardous waste as defined by 40 CES Bort 351  |
| or any applicable state law, has been properly described, classified and packaged, an<br>applicable regulations; AND, if the waste is a treatment realdure of a previously res   | tricted haracronic waste subject to the Land Disease.   |
| Restrictions, I certify and warrant that the waste has been treated in accordance with a hazardous waste as defined by 40 CFR Part 281. FOR CHEV 20  | the requirements of 40 CER Box 500 and In an Inner 143 CS IDIO 1477/EDO   |
|  | 0 - OTHER   |
| Generator Authorized Agent Name Signature  | Shipment Date   |
| Section II   | Transporter I complete with Transporter II complete here  |
| TRANSPORTER I  | TRANSPORTER II  |
| a. Name: ALC LUNSTE.   | h. Name:  |
| b. Address: P. O. Box 150  | i. Address:   |
| SAN MARTIN CA.   | · .   |
| G. Driver Name (Title: LACAPIE ACE DIE ROME CIC  | r/) Driver Name / Title:  |
| d. Phone No.: 1-800 321 1030 e. Truck No.: 1769  | k. Phone No.: 1. Truck No.:   |
| 1 Vehicle License No./State: 5/14915   | m. Vehicle License No./State:   |
| Acknowledgement of Receipt of Materials.   | Acknowledgement of Receipt of Materials.  |
| 9. Surve N. B. 12 06 95 -  | O. Driver Signature   |
| TEX BUILDING CONTRACTOR OF THE PROPERTY OF THE | Chiver signature Shipment Date  |
|  | . c. Phone No.:   |
| b. Physical Address:   |   |
|  | o. Mailing Adoress:   |
| e. Discrepancy Indication Space:   |   |
| I hereby certify that the above named material has been accepted and to t  | he hast of my knowledge the foresting to the  |
| Y" - >-  | bost of my minuredge the foregoing is true and accurate.  |
| f  | 120675  |
|  | Receipt Date  Completes e.)   |
| a. Operator's* Name:   |   |
|  | b. Operator's* Phone No.:   |
| c. Operator's* Address:  |   |
| d. Special Handling Instructions and additional Information:   |   |
| OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignmen packed, marked, and labeled, and are in all respects in proper condition for transport by the second second second second second second sec  | are fully and accurately described above by proper shipping name and are classified, ighway according to applicable international and government regulations. |
| e. Operator's* Name & Title:   |   |
| f. Name and Address  | Operator's Signature Date   |
| of Responsible Agency:   |   |
| g. 🗌 Friable; 🔲 Non-friable; 🔲 Both % friable  | % nonfriable  |
| * Operator refers to the company which owns, leases, operates, controls, or supervises the   | facility being demolished or renovated, or the demolition or renovation operation, or both.   |

RETURN TO GENERATOR

260-720B 5/93

# HF

## NON-HÁZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II and III.

No. 714752

| Section The Control of the Control o | Completes all of Section I)  |  |  |  |
|--|--|--|--|--|
| a. Generator Name: CHEVRON USA. b.   | Generating Location: CHEVRON 55# 9-4463  |  |  |  |
| c. Address: RO. BOX SDOY d.  | Address: 1801 PARK ST.   |  |  |  |
| SAN RAMON, CA. 94583   | ALAMEDA, CA.   |  |  |  |
| e. Phone No.: (570) 842-8134 f.  |  |  |  |  |
| If owner of the generating facility differs from the generator, provide:   |  |  |  |  |
| g. Owner's Name: h.  | Owner's Phone No.:   |  |  |  |
| i. BFI WASTE CODE  | S 4 4 4 3 Containers DM - METAL DRUM DP - PLASTIC DRUM   |  |  |  |
| j. Description of Waste: SUIL W/NYDROCARBONS   | k Quantity Units No. TYPE B - BAG BA - 6 MIL. PLASTIC BAG  |  |  |  |
| S. S. S. San   | T - TRUCK O - OTHER  |  |  |  |
| GENERATOR'S CERTIFICATION: I hereby certify that the above named material is n<br>or any applicable state law, has been properly described, classified and packaged, and   |  |  |  |  |
| applicable regulations; AND, if the waste is a treatment residue of a previously rest Restrictions, I certify and warrant that the waste has been treated in accordance with a hexardous waste as defined by 40 CFR Part 281.  | ricted hazardous waste subject to the Land Disposal he requirements of 40 CFR Part 268 and is no longer A CUBIC METERS Y3 - CUBIC YARDS  |  |  |  |
| MIN AIL MILLER Stenator Authorized Agent Name Signature  | Shipment Date O - OTHER  |  |  |  |
| Section II   | Transporter I complete e-7   |  |  |  |
| TRANSPORTER I  | TRANSPORTER II   |  |  |  |
| a. Name:   | h. Name:   |  |  |  |
| b. Address: 2620 ReSIVOIL  | i. Address:  |  |  |  |
| NORGO, U   |  |  |  |  |
| c. Driver Name/Title: DENNIS WEAVEL  | L Driver Name/Title; PRINT/TYPE  |  |  |  |
| d. Phone No. 109331-0917 e. Truck No.: 00/   | k. Phone No.: I. Truck No.:  |  |  |  |
| f. Vehicle License No./State: 5036(03 CA.  | m. Vehicle License No./State:  |  |  |  |
| Acknowledgement of Receipt of Materials.   | Acknowledgement of Receipt of Materials.   |  |  |  |
| 9 Driver Stanture (120655  | 71   |  |  |  |
| Section III.   | letes and destination site completes and the same site of |  |  |  |
| a Site Name:   | c. Phone No.:  |  |  |  |
| b. Physical Address:   | d. Mailing Address:  |  |  |  |
|  |  |  |  |  |
| e. Discrepancy Indication Space:   |  |  |  |  |
| I hereby certify that the above named material has been accepted and to t  | he best of my knowledge the foregoing is true and accurate.  |  |  |  |
|  | 10101090   |  |  |  |
| Name of Authorized Agent Signature   | Receipt Date   |  |  |  |
| Section IV   | tit a-d. 1/ g. Operator * completes e.)  |  |  |  |
|  | b. Operator's* Phone No.:  |  |  |  |
| c. Operator's * Address:   |  |  |  |  |
| d. Special Handling Instructions and additional Information:   |  |  |  |  |
| OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.  |  |  |  |  |
| e. Operator's* Name & Title: Print/Type  | Operator's* Signature Date   |  |  |  |
| f. Name and Address of Responsible Agency:   | - Daw  |  |  |  |
| g. 🗆 Friable; 🗆 Non-friable; 🗀 Both % friable  | % nonfriable   |  |  |  |
|  |  |  |  |  |

Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

RETURN TO GENERATOR

260-7208 5/93

# HF

## NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV. If waste is  $\underline{\mathsf{NOT}}$  asbestos waste, complete only Sections I, II and III.

No. 714753

| Section I.  | Complemental of Section ()   |  |  |  |
|---|--|--|--|--|
| a. Generator Name: CHEVRON U.S.A. b.  | Generating Location: CHEVRON 55# 9-4463  Address: 1801 PARK ST.  ALAMEDA:, CA.   |  |  |  |
| c. Address: PO. RO. BOX, SOUY d.  | Address: 1801 PARK ST.   |  |  |  |
| · SAN RAMON . 94583   | ALAMEDA:, CA.  |  |  |  |
|   | Phone No.: N.A.  |  |  |  |
| If owner of the generating facility differs from the generator, provide:  |  |  |  |  |
| g. Owner's Name:h.  | Owner's Phone No.:   |  |  |  |
| i. BFI WASTE CODE CA 405 120495   | 5 4 4 4 3 Containers DM - METAL DRUM DP - PLASTIC DRUM B - BAG   |  |  |  |
| j. Description of Waste: SOIL WHY DIOCARBONS  | k. Quantity units No. TYPE BA - 6 MIL. PLASTIC BAG or WRAP   |  |  |  |
|   | TRUCK OTHER  |  |  |  |
| GENERATOR'S CERTIFICATION: I hereby certify that the above named material is no any applicable state law, has been properly described, classified and packaged, an applicable regulations; AND, if the waste is a treatment residue of a previously rest Restrictions, I certify and warrant that the waste has been treated in accordance with a hazardous waste as defined by 40 CFR Part 261. FOR CHEV RON MALIC MILLER Signature  Generator Authorized Agent Name  Signature  | d is in proper condition for transportation according to tricted hazardous waste subject to the Land Disposal the requirements of 40 CFR Part 268 and is no longer  M2 - CUBIC METERS  |  |  |  |
|   | U Shipment Date  |  |  |  |
| Section II  |  |  |  |  |
| a. Name: PMS TRANSPORTER I  | TRANSPORTER II   |  |  |  |
| b. Address:   | i. Address:  |  |  |  |
| MORCO CAL   | 1. Address.  |  |  |  |
| o: Driver Name/Title:   | Driver Name / Title:   |  |  |  |
| d. Phone No.:   | k. Phone No.:  |  |  |  |
| f. Vehicle License No./State: 5784108   | m. Vehicle License No./State:  |  |  |  |
| Acknowledgement of Receipt of Materials.  | Acknowledgement of Receipt of Materials.   |  |  |  |
| 120675  |  |  |  |  |
| Driver Signature Shipment Date Section III  | Oriver Signature Shipment Oate   |  |  |  |
|   | The state of the s |  |  |  |
| a. Site Name:   | ··· <del>·</del>   |  |  |  |
| b. Physical Address:  | _ d. Mailing Address:  |  |  |  |
| Discount of the second of the |  |  |  |  |
| Discrepancy Indication Space:     Hereby certify that the above named material has been accepted and to   | the hest of my knowledge the foresoing is true and accurate  |  |  |  |
| though sorting that the above halloed material was been accepted and to   | and book of the knowledge tile following to true and accurate.   |  |  |  |
| 1. Name of Authorized Agent Stepasture  | 720685   |  |  |  |
|   | Receipt Date   |  |  |  |
| a. Operator's* Name:  |  |  |  |  |
|   |  |  |  |  |
| c. Operator's* Address:   |  |  |  |  |
| d. Special Handling Instructions and additional information:  OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.   |  |  |  |  |
|   |  |  |  |  |
| e. Operator's Name & Ittle: Print/Type  f. Name and Address   | Operator's Signature Date  |  |  |  |
| of Responsible Agency:  | ,  |  |  |  |
| g.  Friable;  Non-friable;  Both % friable  | % nonfriable   |  |  |  |
| * Operator refers to the company which owns, leases, operates, controls, or supervises the  | ne facility being demolished or renovated, or the demolition or renovation operation, or both.   |  |  |  |

RETURN TO GENERATOR

260-7208 5/93

## UF

## NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV. If waste is NOT asbestos waste, complete only Sections I, II and III.

No. 714754

| Section I. GENERATOR COM   | ( A. C.   |
|--|---|
| s. Generator Name: <u>CHEVRON</u> USA. b   | Generating Location: CNEVRON 55 # 9-4413  |
| c. Address: P.O. BOX 5004:   | Address: 1801 PARK ST.  |
| SAN RAMON, CA. 94583   | ALAMEON, CA.  |
| e. Phone No.: (570) 842-8134 1.  |   |
| If owner of the generating facility differs from the generator, provide:   |   |
| g. Owner's Name:h.   | Owner's Phone No.:  |
| i. BFI WASTE CODE CA 405 120495  | S 4 4 4 3 Containers DM - METAL DRUM DP - PLASTIC DRUM  |
| j. Description of Waste: EN MINY DRUKAR BONS   | k. Quantity Unds No. TYPE BA - 6 MIL. PLASTIC BAG or WRAP   |
| Total Control of the  |   |
| GENERATOR'S CERTIFICATION: 1 hereby certify that the above named material is nor any applicable state law, has been properly described, classified and packaged, an applicable southern AND with the service of the contract o | d is in proper condition for transportation account.  |
| applicable regulations: AND, if the waste is a treatment residue of a previously resi<br>Restrictions, i certify and warrant that the waste has been treated in accordance with<br>a hazardous waste as defined by 40 CFR Part 261.  | tricted hazardous waste subject to the Land Disposal Y YARDS  |
| MONK MILLEN : RELED ( ) Generator Authorized Agent Name Signature  | 72/12 06 95   |
|  | 77  |
|  | impacts and Transporter I complete in o   |
| TRANSPORTER I  | TRANSPORTER II  |
| a raise  | h. Name:  |
| b. Address: FIVI DCC 15V   | i. Address:   |
| c Driver Name (Title: Day and I Makey Driver   |   |
| d. Phone No.: 1-800-321-1030 e. Truck No.: 20  | Driver Name / Title:  |
| B( 17962 C   | k. Phone No.: I. Truck No.:   |
| f Vehicle License No./State: 100/100/100/100/100/100/100/100/100/100   | m. Vehicle License No./State: Acknowledgement of Receipt of Materials.  |
| 12/19/10 112/14 gg   | Materials.  |
| Driver Signature Shipment Date   | Driver Signature     Shipment Date  |
| Section III  | lete 4-d/Ligatination site completes  |
| a. Site Name:  | c. Phone No.:   |
| b Physical Address:  | d. Mailing Address:   |
|  |   |
| a. Discrepancy Indication Space:   |   |
| I hereby certify that the above named material has been accepted and to t  | he best of my knowledge the foregoing is true and accurate.   |
| 2  | 10119   |
| Name of Authorized Agent Signature   | Receipt Date  |
| Section IV   | te a diff.g. Operator * completes e.)   |
|  | b. Operator's* Phone No.:   |
| . Operator's* Address:   |   |
| Special Handling Instructions and additional Information:  |   |
|  | t are fully and accurately described above by proper shipping name and are classified,<br>lighway according to applicable international and government regulations. |
| . Operator's Name & Title Prior/Type   |   |
| Name and Address   | Operator's * Signature Date   |
| of Responsible Agency:   |   |
| . Friable; Non-friable; Both % friable   | % nonfriable  |
| Operator refers to the company which owns, leases, operates, controls, or supervises the   |   |

RETURN TO GENERATOR

260-720B 5/93

## ii Fi

## NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV. If waste is NOT asbestos waste, complete only Sections I, II and III.

No. 714755

| A REAL PROPERTY AND A SECOND REAL PROPERTY AND A | the completes as of Section I)  |
|--|---|
| a. Generator Name: CHEVRON U.S.D. b  | Generating Location: CIEVPON 63# 9-4463   |
| c. Address: Fo. Box 5004   | Address: 1801 PARIC ST.   |
| SAN RAMON, CA. 94583   | ALAMEON, CA.  |
| e. Phone No.: (5)-) 542 8134   | Phone No.: ///  |
| If owner of the generating facility differs from the generator, provide:   |   |
| g. Owner's Name: h   | . Owner's Phone No.:  |
| BFI WASTE CODE CA 400 720495   | S4443 Containers DM - METAL DRUM DP - PLASTIC DRUM B - BAG  |
| i. Description of Waste: Soil W/HYDROCAILBON/5*  | No. TYPE BA - 6 MIL. PLASTIC BAG OF WRAP OF WRAP OF OTHER   |
| GENERATOR'S CERTIFICATION: I hereby certify that the above named material is or any applicable state law, has been properly described, classified and packaged, at applicable regulations; AND, if the waste is a treatment residue of a previously residencions, I certify and warrant that the waste has been treated in accordance with a hazardous waste as defined by 40 CFR Part 281.  | nd is in proper condition for transportation according to  tricted hazardous weate subject to the Land Disposal  Y - YARDS  Y - YARDS  A CHERC METERS   |
| Generator Authorized Agent Name Signature Signature  | Shipment Date   |
| Section II   | omplate a-d; Transporter II complete to the second |
| TRANSPORTER I  | TRANSPORTER II  |
| a. Name: Character   | h. Name:  |
| Address: 1147  | Address   |
| Han marting A  |   |
| Driver Name/Title:   | j. Driver Name/Title:   |
| Phone No. 800 321-1030 e. Truck No.: 616   | k. Phone No.:   |
| Acknowledgement of Receipt of Materials.   | m. Vehicle License No./State:   |
| Driver Signature 12 8 6 9 5  | n. Driver Signature Shipment Date   |
| ection III (Generator com  | pletes a d, destination site completes a f.)  |
| Site Name:   | c. Phone No.:   |
| Physical Address:  | d. Mailing Address:   |
|  |   |
| Discrepancy Indication Space:  |   |
| I hereby certify that the above named material has been accepted and to  | the best of my knowledge the foregoing is true and accurate.  |
|  | <i>।</i> । गगजनबर   |
| Name of Authorized Agent Signature   | Receipt Date  |
| ection IV  | (Complete e.)   |
| Operator's* Name:  | b. Operator's* Phone No.:   |
| Operator's* Address:   |   |
| Special Handling Instructions and additional information:  |   |
|  | nt are fully and accurately described above by proper shipping name and are classified, highway according to applicable international and government regulations.   |
| Operator's* Name & Title: Print/Type   |   |
| Name and Address   | Operator's Signature Date   |
| of Responsible Agency:   |   |
| Friable; Non-friable; Both % friable   | % nonfriable  |
| Operator refers to the company which owns, leases, operates, controls, or supervises th  | e facility being demolished or renovated, or the demolition or renovation operation, or both.   |

**RETURN TO GENERATOR** 

. 260-7208 5/93

BF, BROWNING-FERRIS INDUSTRIES

4001 VASCO ROAD LIVERMORE, CA 94550 (510) 447-0491

Date Jizket # : 12-66-95

Time In: 18:35:19

DMS # : 1886881 -

Time Dut: 18:35:19 LMS #: 8000881

Customer

: A68499 : CHEVRON U.S.A. PRODUCTS CO.

Vehicle # : 062004

Lic Plate:

SPECIAL

Manifest # : 714758

PO #: 4195938 Generator : CHE

Transporter: 0 CHEVRON U.S.A.

Source Cd : Comment

Operator: NCEL

Capacity

34.55

. 18.88 yd Scale In # : 1 Tare Wt: 16.52

Scale Dut #: Stored Net Wt: 18.83 to

Srass Wt

Actual

Bill Oty

\$/Unit

Extended

Descr SOIL

14.80

18.03 TN

All children must remain in vehicles.

ζ

prosecution.

Ninôs deben de permaneceren en los carros a todas horas.

Absolutely no salvaging allowed.

WARNING: Transporting any unauthorized hazardous waste to this facility for disposal is prohibited by law. Persons violating this prohibition are subject to civil and criminal

No se permite absolutamente.

THANK YOU FOR YOUR BUSINESS!!! HAVE A GREAT DAY!!!

BF. BROWNING-FERRIS INDUSTRIES

4001 VASCO ROAD LIVERMORE, CA 94550

(510) 447-0491

Sate Ticket # : A68518

: 12-36-95

Time In: 11:84:56

DNS # : 1886881

Time Out: 11:04:56 LMS #: 8000081

Customer Vehicle # : 801769

SPECIAL

: CHEVRON U.S.A. PRODUCTS CO.

PO #: 4195938

Lic Plate:

Manifest # : 714751

Generator : CHE

Transporter: 0 CHEVRON U.S.A.

Source Cd : Coggent

Operator: NOEL

Capacity 18.88 yd Scale In # : 1 Gross IIt 36.97 Tare Wt:

16.75

Scale Dut #: Stored Net Wt: 19.32 tn

WARNING: Transporting any unauthorized hazardous waste to this facility for disposel is prohibited by law. Persons violating this prohibition are subject to civil and criminal prosecution.

Descr

Actual

Bill Oty

\$/Unit

Extended

SOIL

15.00

19.32 TN

All children must remain in vehicles. Absolutely no salvaging allowed.

Ninōs deben de permaneceren en los carros a todas horas.

No se permite llever

THANK YOU FOR YOUR BUSINESS!!! HAVE A SREAT DAY!!!

BFT BROWNING-FERRIS INDUSTRIES

4001 VASCO ROAD LIVERMORE, CA 94550 (510) 447-0491

Date : A68546 Ticket #

: 12<del>-86-9</del>5

Time In: 11:48:39 CMS # : 1886881

Time Out: 11:48:39 LMS #: 9000681

: CHEVRON U.S.A. PRODUCTS CO.

Jehicle # : P! SPECIAL

Lic Plate:

Manifest # : 714752 Source Cd :

PO #: 4195938 Generator : CHE Transporter: 0 CHEVRON U.S.A.

Comment

Capacity

iross Ht

28.88 yd Scale In # : 1 36.82 Tare Wt:

Operator: NOEL

Scale Out #: Stored

Actual

Bill Qty

15.97

Net Wt: 28.85 to

lescr

\$/Unit

Extended

30IL

16.80

28,85 TN

All children must remain in vehicles. Absolutely no salvaging allowed.

prosecution.

Ninōs deben de permaneceren en los carros

WARNING: Transporting any unauthorized hazardous waste to this facility for disposal is prohibited by law. Persons violating this prohibition are subject to civil and criminal

No se permite llever coses absolutamente.

THANK YOU FOR YOUR BUSINESS!!! HAVE A GREAT DAY!!!

EF 8 BROWNING-FERRIS INDUSTRIES

4001 VASCO ROAD LIVERMORE, CA 94550 (510) 447-0491

Date Ticket # : 968547

: 12-06-95 . Time In: 11:50:52 CMS # : 1996881 -

Time Out: 11:50:52 LMS #: 8888881

Customer : CHEVRON U.S.A. PRODUCTS CO.

Vehicle # : 900003

SPECIAL

Manifest # : 714753 Source Ed :

PC 4: 4195938

Lic Plate:

Generator : CHE CHEVRON U.S.A.

Transporter: D

Counent Capacity :

Operator: NOEL

20.00 yd Scale In # : 1 🖏

Scale Out #: Stored

33.93 Gross Wt Tare Wt: 16.33

Net Wt: 17.68 tn

Descr Actual Bill Qty \$/Unit Extended WARNING: Transporting any unauthorized hazardous waste to this facility for disposal is prohibited by law. Persons violating this prohibition are subject to civil and criminal prosecution.

SOIL 13.00

17.60 TN

All children must remain in vehicles. Absolutely no salvaging allowed.

Ninōs deben de permaneceren en los carros a todas horas.

No se permite llever coses del dompe absolutamente.

THANK YOU FOR YOUR BUSINESS!!! · HAVE A GREAT DAY!!!

#### No: 784681 VASCO ROAD SANITARY LANDFILL



BF BROWNING-FERRIS INDUSTRIES

<sup>₹</sup>\$4001 VASCO ROAD LIVERMORE, CA 94550

Date Ticket # : 968554

: 12-86-95

Time In: 12:01:37 CMS # : 1996881

Time Dut: 12:81:37 LMS #: 0000881

(510) 447-0491

Customer \_\_: CHEVRON U.S.A. PRODUCTS CO.

Vehicle # : 200828

Lic Plate:

SPECIAL

Manifest # : 714754

PG #: 4195938

Source Cd :

Generator : CHE

Transporter: CHEVRON U.S.A.

Coement Capacity

13.80 yd Scale In # : 1 34.55 Tare Wt:

Operator: NOEL

Scale Out #: Stored Net Wt: 19.56 tn

Descr

Bross Wt

Actual

Bill Qty

\$/Unit

14.99

Extended

SOIL

15.00

19.56 TN

All children must remain in vehicles Absolutely no salvaging allowed.

prosecution.

Ninos deben de permaneceren en los carros a todas horas.

WARNING: Transporting any unauthorized hazardous waste to this facility for disposal is prohibited by law. Persons violating this prohibition are subject to civil and criminal

No se permita llevar absolutamente.

THANK YOU FOR YOUR BUSINESS!!! HAVE A GREAT DAY!!!

A DIVISION OF BEAT SHOWNING-FERRIS INDUSTRIES

4001 VASCO ROAD

Date Ticket #

: 12-26-95 : A68567

Time In: 12:30:09 CMS # : 1006881

Time Out: 12:38:89 LMS #: 0000881

LIVERMORE, CA 94550 171, 17/cle (510) 447-0491

Venicle # : 380016

: CHEVRON U.S.A. PRODUCTS CO.

PB #: 4195939

Lic Plate:

Manifest # : 714755

SPECIAL

Source Ed :

Generator : DÆ

Transporter: CHEVRON U.S.A.

Comment : MINNIS

Operator: NOEL

Capacity 18.90 yd Scale In # : 1 Gross lit 33.96 Tare Wt: 15.41

WARNING: Transporting any unauthorized hazardous waste to this facility for disposal is prohibited by law. Persons violating this prohibition are subject to civil and criminal Scale But #: Stored prosecution. Net Wt: 18.55 to

Actual

Bill Sty

\$/Unit

Jescr

Extended

SOIL 14.00 18.55 TN

All children must remain in vehicles Absolutely no salvaging allowed.

Ninōs deben de permaneceren en los carros a todas horas.

No se permite llever absolutamente.

THANK YOU FOR YOUR BUSINESS!!! HAVE A SREAT DAY!!!

## APPENDIX B

# CHEMICAL ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY FORMS



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

Touchstone Developments 5807 Balboa Drive Client Proj. ID: Chevron 9-4463/9-4463

Sampled: 10/18/95 Received: 10/18/95 Analyzed: see below

Oakland, CA 94611
Attention: Robert Mallory

Lab Proj. ID: 9510D03

Reported: 10/20/95

#### LABORATORY ANALYSIS

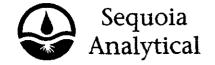
| Analyte   | Units | Date<br>Analyzed | Detection<br>Limit | Sample<br>Results |
|---|-------|------------------|--------------------|-------------------|
| Lab No: 9510D03-02<br>Sample Desc : <b>SOLID,T-1-10.5</b> |       |                  |                    |                   |
| Lead  | mg/Kg | 10/19/95         | 5.0                | N.D.              |
| Lab No: 9510D03-03<br>Sample Desc : <b>SOLID,T-2-11.0</b> |       |                  |                    |                   |
| Lead  | mg/Kg | 10/19/95         | 5.0                | N.D.              |
| Lab No: 9510D03-04<br>Sample Desc : <b>SOLID,T-3-10.5</b> |       |                  |                    |                   |
| Lead  | mg/Kg | 10/19/95         | 5.0                | N.D.              |
| Lab No: 9510D03-05<br>Sample Desc : <b>SOLID,T-4-11.0</b> |       |                  |                    |                   |
| Lead  | mg/Kg | 10/19/95         | 5.0                | N.D.              |
| Lab No: 9510D03-06<br>Sample Desc : <b>SOLID,T-5-10.5</b> |       |                  |                    |                   |
| Lead  | mg/Kg | 10/19/95         | 5.0                | N.D.              |
| Lab No: 9510D03-07<br>Sample Desc : <b>SOLID,T-6-10.5</b> |       |                  |                    |                   |
| Lead  | mg/Kg | 10/19/95         | 5.0                | N.D.              |
| Lab No: 9510D03-08<br>Sample Desc : <b>SOLID,T-1-7.0</b>  |       |                  |                    |                   |
| Lead  | mg/Kg | 10/19/95         | 5.0                | 5.1               |

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

SEQUOIA ANALYTICAL - ELAP #1210

Mark Cargasacchi Project Manager

Page:



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

Touchstone Developments 5807 Balboa Drive Oakland, CA 94611 Client Proj. ID: Chevron 9-4463/9-4463

Sampled: 10/18/95 Received: 10/18/95 Analyzed: see below

Attention: Robert Mallory

Lab Proj. ID: 9510D03

Reported: 10/20/95

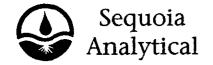
#### LABORATORY ANALYSIS

| Analyte   | Units | Date<br>Analyzed | Detection<br>Limit                     | Sample<br>Results |
|---|-------|------------------|--|-------------------|
| Lab No: 9510D03-09<br>Sample Desc : <b>SOLID,T-7-10.5</b> | (A. ) |                  | ************************************** |                   |
| Lead  | mg/Kg | 10/19/95         | 5.0                                    | N.D.              |
| Lab No: 9510D03-10<br>Sample Desc : <b>SOLID,P-1-4.0</b>  |       |                  |  |                   |
| Lead  | mg/Kg | 10/19/95         | 5.0                                    | N.D.              |
| Lab No: 9510D03-11<br>Sample Desc : <b>SOLID,P-2-4.0</b>  |       |                  |  |                   |
| Lead  | mg/Kg | 10/19/95         | 5.0                                    | N.D.              |

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

SEQUØIA ANALYTICAL - ELAP #1210

Mark Cargasacchi Project Manager



Redwood City, CA 94063 Walnut Creek, CA 94598

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

**Touchstone Developments** 5807 Balboa Drive Oakland, CA 94611

Attention: Robert Mallory

Client Proj. ID: Chevron 9-4463/9-4463 Sample Descript: T-1-10.5

Matrix: SOLID

Analysis Method: 8015Mod/8020 Lab Number: 9510D03-02

Sampled: 10/18/95 Received: 10/18/95 Extracted: 10/19/95 Analyzed: 10/19/95 Reported: 10/20/95

QC Batch Number: GC101995BTEXEXA

Instrument ID: GCHP06

## Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

| Analyte  | Detection Limit<br>mg/Kg                             | Sample Results<br>mg/Kg                      |
|--|--|--|
| TPPH as Gas Methyl t-Butyl Ether Benzene Toluene Ethyl Benzene Xylenes (Total) Chromatogram Pattern: | 1.0<br>0.025<br>0.0050<br>0.0050<br>0.0050<br>0.0050 | N.D.<br>N.D.<br>N.D.<br>N.D.<br>N.D.<br>N.D. |
| Surrogates<br>Trifluorotoluene   | Control Limits % 130                                 | % Recovery<br>90                             |

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

SEQUOIA ANALYTICAL - ELAP #1210

Mark Cargasacchi Project Manager



Redwood City, CA 94063 Walnut Creek, CA 94598

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

Sampled: 10/18/95

Received: 10/18/95

Touchstone Developments 5807 Balboa Drive Oakland, CA 94611

Attention: Robert Mallory

Client Proj. ID: Chevron 9-4463/9-4463

Sample Descript: T-2-11.0

Matrix: SOLID

Extracted: 10/19/95 Analysis Method: 8015Mod/8020 Analyzed: 10/19/95 Lab Number: 9510D03-03 Reported: 10/20/95

QC Batch Number: GC101995BTEXEXA Instrument ID: GCHP06

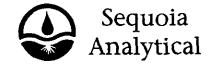
## Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

| Analyte  | De               | tection Limit<br>mg/Kg   | Sa               | mple Results<br>mg/Kg                             |
|--|------------------|--|------------------|---|
| TPPH as Gas  Methyl t-Butyl Ether  Benzene  Toluene Ethyl Benzene  Xylenes (Total) Chromatogram Pattern: |                  | 1.0<br><b>0.025</b><br><b>0.0050</b><br>0.0050<br><b>0.0050</b><br><b>0.0050</b> |                  | N.D.<br>0.080<br>0.035<br>N.D.<br>0.0055<br>0.013 |
| Surrogates<br>Trifluorotoluene   | <b>Cor</b><br>70 | ntrol Limits %   | % <b>R</b><br>30 | ecovery<br>97                                     |

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

SEQUOTA ANALYTICAL - ELAP #1210

Mark Cargasacchi Project Manager



Redwood City, CA 94063 Walnut Creek, CA 94598

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

**Touchstone Developments** 5807 Balboa Drive Oakland, CA 94611

Attention: Robert Mallory

Client Proj. ID: Chevron 9-4463/9-4463

Sample Descript: T-3-10.5

Matrix: SOLID

Analysis Method: 8015Mod/8020 Lab Number: 9510D03-04

Sampled: 10/18/95 Received: 10/18/95 Extracted: 10/19/95 Analyzed: 10/20/95

Reported: 10/20/95

QC Batch Number: GC101995BTEXEXA

Instrument ID: GCHP06

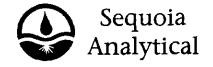
## Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

| Analyte                             | _ <del>_</del> - | tection Limit<br>mg/Kg | Sample Results<br>mg/Kg |
|-------------------------------------|------------------|------------------------|-------------------------|
| TPPH as Gas<br>Methyl t-Butyl Ether |                  | 125                    |                         |
| Benzene<br>Toluene                  | **************** | 25                     | 27<br>400               |
| Ethyl Benzene<br>Xylenes (Total)    | ***************  | 25                     | 180                     |
| Chromatogram Pattern:               | **************   |                        | 990<br>Gas              |
| Surrogates<br>Trifluorotoluene      | <b>Con</b><br>70 | itrol Limits %         | % Recovery<br>86        |

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

SEQUOIA ANALYTICAL - ELAP #1210

Mark Cargasacchi Project Manager



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

Sampled: 10/18/95

Touchstone Developments 5807 Balboa Drive Oakland, CA 94611

Attention: Robert Mallory

Client Proj. ID: Chevron 9-4463/9-4463

Sample Descript: T-4-11.0

Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9510D03-05

Received: 10/18/95 Extracted: 10/19/95 Analyzed: 10/19/95 Reported: 10/20/95

QC Batch Number: GC101995BTEXEXA

Instrument ID: GCHP06

## Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

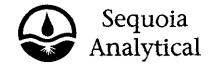
| Analyte  | Detection Limit mg/Kg                                | Sample Results<br>mg/Kg |
|--|--|-------------------------|
| TPPH as Gas Methyl t-Butyl Ether Benzene Toluene Ethyl Benzene Xylenes (Total) Chromatogram Pattern: | 1.0<br>0.025<br>0.0050<br>0.0050<br>0.0050<br>0.0050 | 0.000                   |
| Surrogates<br>Trifluorotoluene   | Control Limits % 130                                 | % Recovery<br>87        |

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

SEQUOIA ANALYTICAL - ELAP #1210

Mark Cargasacchi Project Manager

Page<sup>-</sup>



Redwood City, CA 94063 Walnut Creek, CA 94598 (415) 364-9600 (510) 988-9600 (916) 921-9600

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

Touchstone Developments 5807 Balboa Drive Oakland, CA 94611

Attention: Robert Mallory

Client Proj. ID: Chevron 9-4463/9-4463

Sample Descript: T-5-10.5

Matrix: SOLID

Analysis Method: 8015Mod/8020 Lab Number: 9510D03-06

Sampled: 10/18/95 Received: 10/18/95 Extracted: 10/19/95

Analyzed: 10/19/95 Reported: 10/20/95

QC Batch Number: GC101995BTEXEXA

Instrument ID: GCHP06

### Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

| Analyte  | Detection Limit<br>mg/Kg                             | Sample Results<br>mg/Kg                       |
|--|--|---|
| TPPH as Gas Methyl t-Butyl Ether Benzene Toluene Ethyl Benzene Xylenes (Total) Chromatogram Pattern: | 1.0<br>0.025<br>0.0050<br>0.0050<br>0.0050<br>0.0050 | N.D.<br>0.26<br>0.059<br>N.D.<br>N.D.<br>N.D. |
| Surrogates<br>Trifluorotoluene   | Control Limits %<br>70                               | % <b>Recovery</b><br>130 85                   |

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

SEQUOJA ANALYTICAL -ELAP #1210

Mark Cargasacchi Project Manager



Redwood City, CA 94063 Walnut Creek, CA 94598

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

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

**Touchstone Developments** 5807 Balboa Drive Oakland, CA 94611

Attention: Robert Mallory

Client Proj. ID: Chevron 9-4463/9-4463

Sample Descript: T-6-10.5 Matrix: SOLID

Analysis Method: 8015Mod/8020 Lab Number: 9510D03-07

Sampled: 10/18/95 Received: 10/18/95 Extracted: 10/19/95 Analyzed: 10/19/95

Reported: 10/20/95

QC Batch Number: GC101995BTEXEXA

Instrument ID: GCHP06

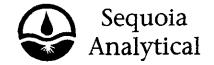
## Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

| Analyte  | Detection Limit<br>mg/Kg                             | Sample Results<br>mg/Kg                      |
|--|--|--|
| TPPH as Gas Methyl t-Butyl Ether Benzene Toluene Ethyl Benzene Xylenes (Total) Chromatogram Pattern: | 1.0<br>0.025<br>0.0050<br>0.0050<br>0.0050<br>0.0050 | N.D.<br>0.25<br>N.D.<br>N.D.<br>N.D.<br>N.D. |
| Surrogates<br>Trifluorotoluene   | Control Limits %<br>70 13                            | <b>% Recovery</b><br>98                      |

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

SEQUOIA ANALYTICAL - ELAP #1210

Mark Cargasacchi Project Manager



Redwood City, CA 94063 Walnut Creek, CA 94598

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

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

**Touchstone Developments** 5807 Balboa Drive

Client Proj. ID: Chevron 9-4463/9-4463 Sample Descript: T-1-7.0

Sampled: 10/18/95 Received: 10/18/95

Oakland, CA 94611

Matrix: SOLID

Extracted: 10/19/95 Analyzed: 10/20/95

Attention: Robert Mallory

Analysis Method: 8015Mod/8020 Lab Number: 9510D03-08

Reported: 10/20/95

QC Batch Number: GC101995BTEXEXA

Instrument ID: GCHP06

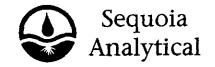
## Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

| Analyte  |   | ection Limit<br>ng/Kg                          | Sample Results<br>mg/Kg       |
|--|---|--|-------------------------------|
| TPPH as Gas Methyl t-Butyl Ether Benzene Toluene Ethyl Benzene Xylenes (Total) Chromatogram Pattern: | ••••••••••••••••••••••••••••••••••••••• | 10<br>0.25<br>0.050<br>0.050<br>0.050<br>0.050 | N.D.<br>0.053<br>N.D.<br>0.11 |
| Surrogates<br>Trifluorotoluene   | <b>Cont</b><br>70                       | rol Limits %<br>130                            | % Recovery<br>95              |

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

SEQUOJA ANALYTICAL - ELAP #1210

Mark Cargasacchi Project Manager



Redwood City, CA 94063 Walnut Creek, CA 94598 (415) 364-9600 (510) 988-9600 (916) 921-9600 FAX (415) 364-9233 FAX (510) 988-9673 FAX (916) 921-0100

**Touchstone Developments** 5807 Balboa Drive Oakland, CA 94611

Attention: Robert Mallory

Client Proj. ID: Chevron 9-4463/9-4463

Sample Descript: T-7-10.5 Matrix: SOLID

Analysis Method: 8015Mod/8020 Lab Number: 9510D03-09

Sampled: 10/18/95 Received: 10/18/95 Extracted: 10/19/95 Analyzed: 10/19/95

Reported: 10/20/95

QC Batch Number: GC101995BTEXEXA

Instrument ID: GCHP06

## Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

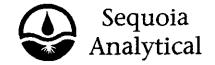
| Analyte  | Detection Limit mg/Kg                                       | Sample Results<br>mg/Kg                      |
|--|---|--|
| TPPH as Gas  Methyl t-Butyl Ether  Benzene Toluene Ethyl Benzene Xylenes (Total) Chromatogram Pattern: | 1.0<br><b>0.025</b><br>0.0050<br>0.0050<br>0.0050<br>0.0050 | N.D.<br>0.64<br>N.D.<br>N.D.<br>N.D.<br>N.D. |
| Surrogates<br>Trifluorotoluene   | Control Limits % 130  | % Recovery<br>82                             |

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

SEQUOTA ANALYTICAL ELAP #1210

Mark Cargasacchi Project Manager

Page:



Redwood City, CA 94063 Walnut Creek, CA 94598 (415) 364-9600 (510) 988-9600 (916) 921-9600

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

**Touchstone Developments** 5807 Balboa Drive Oakland, CA 94611

Attention: Robert Mallory

Client Proj. ID: Chevron 9-4463/9-4463

Sample Descript: P-1-4.0 Matrix: SOLID

Analysis Method: 8015Mod/8020

Lab Number: 9510D03-10

Sampled: 10/18/95 Received: 10/18/95 Extracted: 10/19/95

Analyzed: 10/19/95 Reported: 10/20/95

QC Batch Number: GC101995BTEXEXA

Instrument ID: GCHP06

## Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

| Analyte  | Detection Limit mg/Kg                                | Sample Results<br>mg/Kg                      |
|--|--|--|
| TPPH as Gas Methyl t-Butyl Ether Benzene Toluene Ethyl Benzene Xylenes (Total) Chromatogram Pattern: | 1.0<br>0.025<br>0.0050<br>0.0050<br>0.0050<br>0.0050 | N.D.<br>N.D.<br>N.D.<br>N.D.<br>N.D.<br>N.D. |
| Surrogates<br>Trifluorotoluene   | Control Limits % 130                                 | % Recovery<br>86                             |

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

SEQUOTA ANALYTICAL - ELAP #1210

Mark Cargasacchi Project Manager

Page:



Redwood City, CA 94063 Walnut Creek, CA 94598

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**Touchstone Developments** 5807 Balboa Drive Oakland, CA 94611

Client Proj. ID: Chevron 9-4463/9-4463 Sample Descript: P-2-4.0

Sampled: 10/18/95 Received: 10/18/95 Extracted: 10/19/95 Analyzed: 10/20/95

Attention: Robert Mallory

Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9510D03-11

Reported: 10/20/95

QC Batch Number: GC101995BTEXEXA

Instrument ID: GCHP06

## Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

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

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

SEQUOTA ANALYTICAL - ELAP #1210

Mark Cargasacchi Project Manager

Page:



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Touchstone Developments 5807 Balboa Drive Oakland, CA 94611 Attention: Robert Mallon Robert Mallory

Client Proj. ID: Chevron 9-4463/9-4463

Received: 10/18/95

Lab Proj. ID: 9510D03

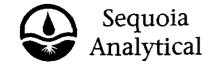
Reported: 10/20/95

### LABORATORY NARRATIVE

TPPH note: sample 9510D03-04 was diluted 5000 fold. sample 9510D03-08 was diluted 10 fold.

SEQUOIA ANALYTICAL

M\_Cargasacchi Project Manager



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Touchstone Development

WESSAMMEDS Client Project ID:

5807 Balboa Drive

karrikan karrikan berangan ber

Matrix: Solid

Oakland, CA 94611 Attention: Robert Mallory

Work Order #:

02-11

Chevron 9-4463/9-4463

Reported:

Oct 23, 1995 Tradition Certification of a constant and a constan

### **QUALITY CONTROL DATA REPORT**

9510D03

| Analyte:         | Benzene         | Toluene         | Ethyl           | Xylenes         |  |
|------------------|-----------------|-----------------|-----------------|-----------------|--|
|                  |                 |                 | Benzene         |                 |  |
|                  | GC101995BTEXEXA | GC101995BTEXEXA | GC101995BTEXEXA | GC101995BTEXEXA |  |
| Analy. Method:   |                 | EPA 8020        | EPA 8020        | EPA 8020        |  |
| Prep. Method:    | EPA 5030        | EPA 5030        | EPA 5030        | EPA 5030        |  |
| Analyst:         | J. Padilla      | J. Padilla      | J. Padilla      | J. Padilla      |  |
| MS/MSD #:        | 951096711       | 951096711       | 951096711       | 951096711       |  |
| Sample Conc.:    | N.D.            | N,D.            | N.D.            | N.D.            |  |
| Prepared Date:   | 10/19/95        | 10/19/95        | 10/19/95        | 10/19/95        |  |
| Analyzed Date:   | 10/19/95        | 10/19/95        | 10/19/95        | 10/19/95        |  |
| nstrument i.D.#: | GCHP18          | GCHP18          | GCHP18          | GCHP18          |  |
| Conc. Spiked:    | 0.20 mg/Kg      | 0.20 mg/Kg      | 0.20 mg/Kg      | 0.60 mg/Kg      |  |
| Result:          | 0.16            | 0.17            | 0.17            | 0.51            |  |
| MS % Recovery:   | 80              | 85              | 85              | 85              |  |
| Dup. Result:     | 0.16            | 0.17            | 0.17            | 0.50            |  |
| MSD % Recov.:    | 80              | 85              | 85              | 83              |  |
| RPD:             | 0.0             | 0.0             | 0.0             | 2.0             |  |
| RPD Limit:       |                 | 0-50            | 0-50            | 0-50            |  |

| LCS #:            | - | -      | ~ | - |
|-------------------|---|--------|---|---|
| Prepared Date:    | _ | _      | - | _ |
| Analyzed Date:    | - | -      | - | - |
| Instrument I.D.#: | - | -      | - | - |
| Conc. Spiked:     | - | -      | - | - |
| LCS Result:       | _ |        |   |   |
| LCS % Recov.:     |   | -<br>• | - | - |
|                   |   |        |   |   |

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

**SEQUOIA ANALYTICAL** 

Mark J. Cargasácchi Project Manager

Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

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



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Touchstone Development

Client Project ID: Chevron 9-4463/9-4463

5807 Balboa Drive

Matrix: Solid

Oakland, CA 94611

Attention: Robert Mallory

Work Order #: 9510D03

02-11

Reported:

Oct 23, 1995 Maderia de la composició de la composició de la comenció de la comenció de la composició de la composició de l

#### **QUALITY CONTROL DATA REPORT**

| Analyte:          | Beryllium       | Cadmium         | Chromium        | Nickel          | · ** |
|-------------------|-----------------|-----------------|-----------------|-----------------|------|
|                   | ME1018956010MDF | ME1018956010MDF | ME1018956010MDF | ME1018956010MDF |      |
| Analy. Method:    |                 | EPA 6010        | EPA 6010        | EPA 6010        |      |
| Prep. Method:     | EPA 3050        | EPA 3050        | EPA 3050        | EPA 3050        |      |
| Anaiyst:          | C. Medefesser   | C. Medefesser   | C. Medefesser   | C. Medefesser   |      |
| MS/MSD #:         | 9510D0302       | 9510D0302       | 9510D0302       | 9510D0302       |      |
| Sample Conc.:     | N.D.            | N.D.            | 39              | 32              |      |
| Prepared Date:    | 10/18/95        | 10/18/95        | 10/18/95        | 10/18/95        |      |
| Analyzed Date:    | 10/19/95        | 10/19/95        | 10/19/95        | 10/19/95        |      |
| Instrument I.D.#: | MTJA2           | MTJA2           | MTJA2           | MTJA2           |      |
| Conc. Spiked:     | 100 mg/Kg       | 100 mg/Kg       | 100 mg/Kg       | 100 mg/Kg       |      |
| Result:           | 100             | 100             | 140             | 130             |      |
| MS % Recovery:    | 100             | 100             | 101             | 98              |      |
| Dup. Result:      | 100             | 100             | 140             | 130             |      |
| MSD % Recov.:     | 100             | 100             | 101             | 98              |      |
| RPD:              | 0.0             | 0.0             | 0.0             | 0.0             |      |
| RPD Limit:        | 0-30            | 0-30            | 0-30            | 0-30            |      |

| LCS #:            | BLK101895 | BLK101895 | BLK101895 | BLK101895 |
|-------------------|-----------|-----------|-----------|-----------|
| Prepared Date:    | 10/18/95  | 10/18/95  | 10/18/95  | 10/18/95  |
| Analyzed Date:    | 10/19/95  | 10/19/95  | 10/19/95  | 10/19/95  |
| Instrument I.D.#: | MTJA2     | MTJA2     | MTJA2     | MTJA2     |
| Conc. Spiked:     | 100 mg/Kg | 100 mg/Kg | 100 mg/Kg | 100 mg/Kg |
| LCS Result:       | 110       | 110       | 110       | 110       |
| LCS % Recov.:     | 110       | 110       | 110       | 110       |

| MS/MSD<br>LCS  | 75-125 | 75-125 | 75-125 | 75 105 |  |
|----------------|--------|--------|--------|--------|--|
| Control Limits | 70.120 | 73-123 | 75-125 | 75-125 |  |

**SEQUOIA ANALYTICAL** 

Mark J. Cargasacchi Project Manager

Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

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

9510D03.TTT <2>

☐ Yes Fax copy of Lab Report and COC to Chevron Contact: □ No. <u>Chain-of-Custody-Record</u> Chevron Facility Number 9-4463 Chevron Contact (Name) MANIC MILLER Facility Address 1801 PAILL ST. ALAMEDA, CA. (Phone) 510 542 - 8134 Chevron U.S.A. Inc. Consultant Project Number 9-4467 Laboratory Name SEQUIDID P.O. BOX 5004 Consultant Name TOUCHSTONB DEVELOPMENTS Laboratory Release Number WILL CALL IA 3882920 San Ramon, CA 94583 Samples Collected, by (Name) ROBERT C. MDUDRY
Collection Date: 1/4/2/95
Signature 1/4/2/85 Address S807 BALBOA DRIVE OAKLAND FAX (415)842-9591 Project Contact (Name) ROBENT MALLORY (Phone)(S10) 339 3222 (Fax Number) 339 3222 A # Air Charcoal Analyses To Be Performed Purgeable Aromatics (8020) Purgeable Halocarbons (8010) 95,000 Purgeoble Organics (8240) BTEX + TPH GAS (8020 + 8015) TPH Diesel (8015) Oil and Grease (5520) ဖပ္မ Remarks 11:36 FL 10.5 D 11:24 F2-11.0 11:30 F3-10.5 11232 5 1/50 11:48 -T-6-10.5 11:32 5 11:46 5 11:23 11:25 D-2-4,0 Relinguished By, (Signature) Organization\_ Date/Time Received By (Signature) Organization Date/Time Turn Around Time (Circle Choice) 10/18/95 17:00 24 Hren Relinquished By (Signature) Organization Ďate/Time Received By (Signature) Organization Date/Time 10 Doye Relinquished By (Signature) Organization Date/Time Realeved For Laboratory By (Signature) Date/Time 17:00 As Contracted



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Touchstone Develop 5807 Balboa Drive Oakland, CA 94611 **Touchstone Developments** 

Client Proj. ID: Chevron 9-4463

Sampled: 10/31/95 Received: 10/31/95

Lab Proj. ID: 9510M06

Analyzed: see below

Robert Mallory Attention:

Reported: 11/02/95

### LABORATORY ANALYSIS

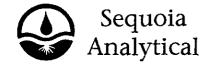
| Analyte  | Units   | Date<br>Analyzed   | Detection<br>Limit  | Sample<br>Results                      |
|--|---|--|---|--|
| Lab No: 9510M06-04<br>Sample Desc : <b>SOLID,OWS-N-8.0</b>               | - A   |  |   |  |
| Cadmium Chromium Lead Nickel TRPH (SM 5520 E&F Mod.) Zinc                | mg/Kg<br><b>mg/Kg</b><br>mg/Kg<br><b>mg/Kg</b><br>mg/Kg<br><b>mg/Kg</b> | 11/01/95<br>11/01/95<br>11/01/95<br>11/01/95<br>11/01/95<br>11/01/95 | 0.50<br><b>0.50</b><br>5.0<br><b>2.5</b><br>50<br><b>0.50</b> | N.D.<br>34<br>N.D.<br>31<br>N.D.<br>18 |
| Lab No: 9510M06-05<br>Sample Desc : <b>SOLID,OWS-S-7.5</b>               |   |  |   |  |
| Cadmium<br>Chromium<br>Lead<br>Nickel<br>TRPH (SM 5520 E&F Mod.)<br>Zinc | mg/Kg<br><b>mg/Kg</b><br>mg/Kg<br><b>mg/Kg</b><br>mg/Kg<br><b>mg/Kg</b> | 11/01/95<br>11/01/95<br>11/01/95<br>11/01/95<br>11/01/95<br>11/01/95 | 0.50<br><b>0.50</b><br>5.0<br><b>2.5</b><br>50<br><b>0.50</b> | N.D.<br>30<br>N.D.<br>30<br>N.D.<br>23 |

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

SEQUOIA ANALYTICAL - ELAP #1210

Mark Cargasacchi Project Manager

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Touchstone Developments 5807 Balboa Drive Oakland, CA 94611

Attention: Robert Mallory

Client Proj. ID: Sample Descript: PX-1-8.0

Chevron 9-4463

Matrix: SOLID

Analysis Method: 8015Mod/8020 Lab Number: 9510M06-01

Sampled: 10/31/95 Received: 10/31/95 Extracted: 11/01/95

Analyzed: 11/02/95 Reported: 11/02/95

QC Batch Number: GC110195BTEXEXA

Instrument ID: GCHP06

## Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

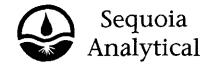
| Analyte  | Detection<br>mg/Kg |                      | Sample Results<br>mg/Kg         |
|--|--------------------|----------------------|---------------------------------|
| TPPH as Gas Methyl t-Butyl Ether Benzene Toluene Ethyl Benzene Xylenes (Total) Chromatogram Pattern: |                    |                      | N.D.<br>N.D.<br>37<br>25<br>130 |
| Surrogates<br>Trifluorotoluene   | Control Lin<br>70  | <b>nits %</b><br>130 | % Recovery<br>103               |

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

SEQUØIA ANALYTICAL -

ELAP #1210

Mark Cargasacchi Project Manager



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

Touchstone Developments 5807 Balboa Drive Oakland, CA 94611

Attention: Robert Mallory

Client Proj. ID: Chevron 9-4463 ; Sample Descript: PX-2-7.5

Matrix: SOLID

Analysis Method: 8015Mod/8020 Lab Number: 9510M06-02 Received: 10/31/95 Extracted: 11/01/95 Analyzed: 11/02/95 Reported: 11/02/95

Sampled: 10/31/95

QC Batch Number: GC110195BTEXEXA

Instrument ID: GCHP18

## Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

| Analyte  | Detection<br>mg/K |                      | Sample Results<br>mg/Kg         |
|--|-------------------|----------------------|---------------------------------|
| TPPH as Gas Methyl t-Butyl Ether Benzene Toluene Ethyl Benzene Xylenes (Total) Chromatogram Pattern: |                   |                      | N.D.<br>N.D.<br>47<br>43<br>250 |
| Surrogates<br>Trifluorotoluene   | Control Li        | <b>mits %</b><br>130 | % Recovery<br>130               |

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

SEQUOIA ANALYTICAL - ELAP #1210

Mark Cargasacchi Project Manager

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

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Touchstone Developments 5807 Balboa Drive Oakland, CA 94611 Attention: Robert Mallory

Client Proj. ID: Chevron 9-4463 Sample Descript: PX-3-7.5

Matrix: SOLID

Analysis Method: 8015Mod/8020 Lab Number: 9510M06-03 Sampled: 10/31/95 Received: 10/31/95 Extracted: 11/01/95 Analyzed: 11/02/95 Reported: 11/02/95

QC Batch Number: GC110195BTEXEXA

instrument ID: GCHP06

# Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

| Analyte  | _ <del>-</del>   | tection Limit<br>mg/Kg | Sample Results<br>mg/Kg |
|--|------------------|------------------------|-------------------------|
| TPPH as Gas<br>Methyl t-Butyl Ether<br>Benzene |                  | 1.2                    |                         |
| Toluene<br>Ethyl Benzene                       | •••••••          | 0.25                   | 1.7<br>14<br>6.8        |
| Xylenes (Total)<br>Chromatogram Pattern:       | ••••••           |                        |                         |
| Surrogates<br>Trifluorotoluene                 | <b>Con</b><br>70 | trol Limits %<br>130   | % Recovery<br>97        |

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

SEQUOIA ANALYTICAL - ELAP #1210

Mark Cargasacchi Project Manager

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Touchstone Developments 5807 Balboa Drive Oakland, CA 94611

Attention: Robert Mallory

Client Proj. ID: Chevron 9-4463 Sample Descript: OWS-N-8.0 Matrix: SOLID

Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9510M06-04 Sampled: 10/31/95 Received: 10/31/95 Extracted: 11/01/95 Analyzed: 11/01/95 Reported: 11/02/95

QC Batch Number: GC110195BTEXEXA

Instrument ID: GCHP06

### Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

| Analyte   | Detection<br>mg/K                       |               | Sample Results<br>mg/Kg |
|---|---|---------------|-------------------------|
| TPPH as Gas Benzene Toluene Ethyl Benzene Xylenes (Total) Chromatogram Pattern: |   | 050<br>050    |                         |
| Unidentified HC   | *************************************** | •••••         | >C9                     |
| Surrogates<br>Trifluorotoluene  | Control Lia<br>70                       | mits %<br>130 | % Recovery<br>110       |

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

SEQUOÍA ANALYTICAL - ELAP #1210

Mark Cargasacchi Project Manager

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**Touchstone Developments** 5807 Balboa Drive Oakland, CA 94611

Client Proj. ID: Chevron 9-4463 Sample Descript: OWS-S-7.5 Matrix: SOLID

Sampled: 10/31/95 Received: 10/31/95 Extracted: 11/01/95

Attention: Robert Mallory

Analysis Method: 8015Mod/8020 Lab Number: 9510M06-05

Analyzed: 11/01/95 Reported: 11/02/95

QC Batch Number: GC110195BTEXEXA

Instrument ID: GCHP06

## Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

| Analyte  | Detection Limit mg/Kg                       | Sample Results<br>mg/Kg              |
|--|---|--------------------------------------|
| TPPH as Gas<br>Benzene<br>Toluene<br>Ethyl Benzene<br>Xylenes (Total)<br>Chromatogram Pattern: | 1.0<br>0.0050<br>0.0050<br>0.0050<br>0.0050 | N.D.<br>N.D.<br>N.D.<br>N.D.<br>N.D. |
| Surrogates<br>Trifluorotoluene   | Control Limits % 130                        | % Recovery<br>107                    |

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

SEQUOIA ANALYTICAL -ELAP #1210

Mark Cargasacchi Project Manager



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Touchstone Developments 5807 Balboa Drive

Client Proj. ID: Chevron 9-4463

Received: 10/31/95

Oakland, CA 94611 Attention: Robert Mallory 

Lab Proj. ID: 9510M06

Reported: 11/02/95

### LABORATORY NARRATIVE

TPPH note: sample 9510M06-01 was diluted 250 fold.

sample 9510M06-02 was diluted 250 fold. sample 9510M06-03 was diluted 50 fold.

**SEQUOIA ANALYTICAL** 

M Cargašacchi Project Manager

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

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Touchstone Developments

Client Project ID: 9-4463, Chevron 9-4463

5807 Balboa Drive Oakland, CA 94611 Matrix: Solid

Attention: Robert Mallory

Work Order #: 9510M06 -01-05

Reported:

Nov 3, 1995

#### **QUALITY CONTROL DATA REPORT**

| Analyte:              | Benzene         | Toluene         | Ethyl           | Xylenes         |  |
|-----------------------|-----------------|-----------------|-----------------|-----------------|--|
|                       |                 |                 | Benzene         |                 |  |
| QC Batch#:            | GC110195BTEXEXA | GC110195BTEXEXA | GC110195BTEXEXA | GC110195BTEXEXA |  |
| Analy. Method:        | EPA 8020        | EPA 8020        | EPA 8020        | EPA 8020        |  |
| Prep. Method:         | EPA 5030        | EPA 5030        | EPA 5030        | EPA 5030        |  |
| Analyst:              | G. Garcia       | G. Garcia       | G. Garcia       | G. Garcia       |  |
| MS/MSD #:             |                 | 951016905       | 951016905       | 951016905       |  |
| Sample Conc.:         |                 | N.D.            | N.D.            | N.D.            |  |
| <b>Prepared Date:</b> | 11/1/95         | 11/1/95         | 11/1/95         | 11/1/95         |  |
| Analyzed Date:        |                 | 11/1/95         | 11/1/95         | 11/1/95         |  |
| strument I.D.#:       | GCHP1           | GCHP1           | GCHP1           | GCHP1           |  |
| Conc. Spiked:         | 0.20 mg/Kg      | 0.20 mg/Kg      | 0.20 mg/Kg      | 0.60 mg/Kg      |  |
| Result:               | 0.18            | 0.18            | 0.18            | 0.55            |  |
| /IS % Recovery:       | 90              | 90              | 90              | 92              |  |
| Dup. Result:          | 0.17            | 0.18            | 0.18            | 0.54            |  |
| MSD % Recov.:         | 85              | 90              | 90              | 90              |  |
| RPD:                  | 5.7             | 0.0             | 0.0             | 1.8             |  |
| RPD Limit:            | 0-50            | 0-50            | 0-50            | 0-50            |  |

| LCS #:            | BLK110195  | BLK110195    | BLK110195  | BLK110195  |
|-------------------|------------|--------------|------------|------------|
| Prepared Date:    | 11/1/95    | 11/1/95      | 11/1/95    | 11/1/95    |
| Analyzed Date:    | 11/1/95    | 11/1/95      | 11/1/95    | 11/1/95    |
| Instrument I.D.#: | GCHP1      | GCHP1        | GCHP1      | GCHP1      |
| Conc. Spiked:     | 0.20 mg/Kg | 0.20 mg/Kg ، | 0.20 mg/Kg | 0.60 mg/Kg |
| LCS Result:       | 0.18       | 0.18         | 0.18       | 0.54       |
| LCS % Recov.:     | 90         | 90           | 90         | 90         |

| MS/MSD<br>LCS  |        |        |        |        |  |
|----------------|--------|--------|--------|--------|--|
| Control Limits | 55-145 | 47-149 | 47-155 | 56-140 |  |

SEQUOIA ANALYTICAL

Mark J. 'Cargasacchi Project Manager Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

<sup>\*\*</sup> MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference



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**Touchstone Developments** 

โดยสารเหมือนใน (และเหลือน เมื่อให้เหลือน (เมื่อน (เมื่อน (เมื่อน (เมื่อน (เมื่อน (เมื่อน (เมื่อน (เมื่อน (เมื่

Client Project ID: 9-4463, Chevron 9-4463

5807 Balboa Drive

Solid

Oakland, CA 94611 Attention: Robert Mallory Matrix:

Work Order #:

Nov 3, 1995 Reported: 

#### QUALITY CONTROL DATA REPORT

9510M06-04-05

Analyte: Total Oil & Grease

QC Batch#: OP1031955520EXA Analy. Method: SM 5520 EF-MOD Prep. Method: EPA 3550

Analyst: C. Garde MS/MSD #: 9510K7606 Sample Conc.: N.D. **Prepared Date:** 10/31/95 **Analyzed Date:** 11/1/95 Instrument I.D.#: Manual Conc. Spiked: 500 mg/Kg

Result: 360 MS % Recovery: 72

Dup. Result: 330 MSD % Recov.: 66

> RPD: 8.7 **RPD Limit:** 60-140

> > LCS #: BLK103195

Prepared Date: 10/31/95 **Analyzed Date:** 11/1/95 Instrument I.D.#: Manual Conc. Spiked: 500 mg/Kg

LCS Result: 370 LCS % Recov.: 74

MS/MSD

LCS **Control Limits**  70-110

**SEQUOIA ANALYTICAL** 

Mark J. Cargasacchi Project Manager

Please Note:

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Touchstone Developments

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Client Project ID: 9-4463, Chevron 9-4463

5807 Balboa Drive

Matrix: Solid

Oakland, CA 94611 Attention: Robert Mallory

Work Order #:

9510M06-04-05 Reported: Nov 3, 1995

### **QUALITY CONTROL DATA REPORT**

| Analyte:        | Beryllium       | Cadmium         | Chromium        | Nickel          |  |
|-----------------|-----------------|-----------------|-----------------|-----------------|--|
| QC Batch#:      | ME1101956010MDE | ME1101956010MDE | ME1101956010MDE | ME1101956010MDE |  |
| Analy. Method:  | EPA 6010        | EPA 6010        | EPA 6010        | EPA 6010        |  |
| Prep. Method:   |                 | EPA 3050        | EPA 3050        | EPA 3050        |  |
| Analyst:        | C. Medefesser   | C. Medefesser   | C. Medefesser   | C. Medefesser   |  |
| MS/MSD #:       | 9510M0605       | 9510M0605       | 9510M0605       | 9510M0605       |  |
| Sample Conc.:   |                 | N.D.            | 31              | 30              |  |
| Prepared Date:  |                 | 11/1/95         | 11/1/95         | 11/1/95         |  |
| Analyzed Date:  |                 | 11/1/95         | 11/1/95         | 11/1/95         |  |
| strument I.D.#: | • •             | MTJA2           | MTJA2           | MTJA2           |  |
| Conc. Spiked:   | 100 mg/Kg       | 100 mg/Kg       | 100 mg/Kg       | 100 mg/Kg       |  |
| Result:         | 100             | 98              | 130             | 130             |  |
| VIS % Recovery: | 100             | 98              | 99              | 100             |  |
| Dup. Result:    | 100             | 98              | 130             | 130             |  |
| MSD % Recov.:   | 100             | 98              | 99              | 100             |  |
| RPD:            | 0.0             | 0.0             | 0.0             | 0.0             |  |
| RPD Limit:      | 0-30            | . 0-30          | 0-30            | 0-30            |  |

| LCS #:                          | BLK110195 | BLK110195 | BLK110195 | BLK110195 |
|---------------------------------|-----------|-----------|-----------|-----------|
| Prepared Date:                  | 11/1/95   | 11/1/95   | 11/1/95   | 11/1/95   |
| Analyzed Date:                  | 11/1/95   | 11/1/95   | 11/1/95   | 11/1/95   |
| Instrument I.D.#:               | MTJA2     | MTJA2     | MTJA2     | MTJA2     |
| Conc. Spiked:                   | 100 mg/Kg | 100 mg/Kg | 100 mg/Kg | 100 mg/Kg |
| LCS Result:                     | 110       | 100       | 110       | 110       |
| LCS % Recov.:                   | 110       | 100       | 110       | 110       |
| MS/MSD<br>LCS<br>Control Limits | 75-125    | 75-125    | 75-125    | 75-125    |

SEQUOIA ANALYTICAL

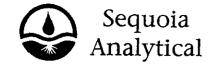
Mark J. Cargasacchi Project Manager

Please Note:

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

| ,Fax ,co   | py of             |                      |  |                           |                            | COC to   | Che              | evroi       | n Co         | onta                 | ct: i                        | ЙC            | 0  |  |  | (                                | ha   | in-            | of-  | -Cu                                    | stody-Re                               | CO           |
|--|-------------------|----------------------|--|---------------------------|----------------------------|--|------------------|-------------|--------------|----------------------|------------------------------|---------------|--|--|--|----------------------------------|--|----------------|--|--|--|--------------|
| Chevron U.<br>P.O. BOX<br>San Ramon,<br>FAX (415)8 | 5004<br>CA 94583  | Con                  | Facil<br>sultant Pr<br>sultant No              | ity Addre                 | mber S<br>SUCH<br>Brame) I | 4463<br>21 PAR<br>3-4463<br>1STONE<br>OCBOR<br>208EAT<br>10)3393 | DE<br>OR.        | VEL<br>DD L | OV M         | 9 EN<br>ON D<br>ZY   | 7,5<br>,CA                   |               | Laborato<br>Laborato<br>Samples                  | ory Nam<br>ory Rele<br>Collect                   | io   | ) _ N<br>•) _ (<br>• E Q<br>nber | 10/10)<br>40,<br>WIC<br>1207                     | IN PO          | 11UC   | es<br>- 81.                            |  |              |
| Sampie Number                                      | Lab Sample Number | Number of Containers | Matrix S = Soil A = Air W = Water C = Charcool | 19 E 2                    | Лтө                        | Somple Preservation  | Iced (Yes or No) |             |              | Oil and Gream (5520) | Purgeoble Holocarbons (8010) |               | Analys   | e To   | Be Perfo   | rmed                             |  |                | 1  |  | Remarks                                |              |
| DX-1-8.0   | 01                | /                    | 5  | D                         | 13,40                      |  | У                | X           |              | 1                    | <del> </del>                 |               | ļ  | <del>                                     </del> | <del>                                     </del> | X                                | -  | -              | -  | -                                      |  |              |
| PX-2-7.5   | 02                | 1                    | 2  | D                         | 13:42                      |  | V                | ×           | <del> </del> |                      |                              |               |  | 1  | <del></del>                                      | X                                |  | <del> </del> - | <del> </del>                                     |  |  |              |
| 0X-3-7.5   | 03                | 1                    | 5  | D                         | B.45                       |  | 1                | X           | ļ            |                      |                              |               | <del>                                     </del> | <del>                                     </del> | <b>†</b>   | X                                | <del>                                     </del> | <del> </del>   | _  |  |  |              |
| 0.8-N-2NC  | 04                | 1                    | 5  | D                         | 13:22                      |  | ý                | X           |              | X                    |                              |               | 1  | <del> </del>                                     | X  | 1,7                              | †  | <del>-  </del> | - <del> </del>                                   |  |  |              |
| JW5-5-7.5  |                   | $\overline{I}$       | 5  | D                         | 13:35                      |  | V                | X           |              | X                    |                              |               |  | <del> </del>                                     | X  |                                  | <del> </del> -                                   | -              | -  |  |  |              |
|  |                   |                      |  |                           |                            |  |                  | 1           |              |                      |                              |               |  |  |  |                                  | <del>                                     </del> | 1-             | <del> </del>                                     |  |  |              |
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| Relinciationed By (                                | 11/4              | b                    | 1  | nization<br>D<br>nization | 10                         | ote/Time<br>  3  95   91<br> ate/Time                            | 09               | elved By    |              |                      |                              |               | !<br>rganizati<br>rganizati                      |  |  | o∕Time                           |  |                | Turn A   | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | Ime (Circle Choloe) 4 Hrs. B Hrs. Doye | <del>u</del> |
| vid By (   | Signoture)        |                      | Orgai  | nization                  | ) Do                       | ute/Time   | Regi             | fod fo      | r Labor      | atory By             | (Signat                      | ture)         |  |  | Date 10/3  | /11me (                          | 909  |                |  | 10                                     | Daye<br>ontracted                      |              |



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**Touchstone Developments** 5807 Balboa Drive

Client Proj. ID:

Chevron 9-4463/9-4463

Sampled: 10/31/95 Received: 10/31/95

Oakland, CA 94611

Lab Proj. ID: 9510M13 Attention: Robert Mallory

Analyzed: see below Reported: 11/08/95

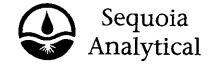
### LABORATORY ANALYSIS

| Analyte  | Units | Date<br>Analyzed | Detection<br>Limit | Sample<br>Results |
|--|-------|------------------|--------------------|-------------------|
| Lab No: 9510M13-01<br>Sample Desc : <b>SOLID,SP-1</b>      |       |                  |                    |                   |
| Lead   | mg/Kg | 11/04/95         | 5.0                | 5.6               |
| Lab No: 9510M13-02<br>Sample Desc : <b>SOLID,SP-2</b>      |       |                  |                    |                   |
| Lead   | mg/Kg | 11/04/95         | 5.0                | 11                |
| Lab No: 9510M13-03<br>Sample Desc : <b>SOLID,SP-3</b>      |       |                  |                    |                   |
| Lead   | mg/Kg | 11/04/95         | 5.0                | 35                |
| Lab No: 9510M13-04<br>Sample Desc : <b>SOLID,SP-4</b>      |       |                  |                    |                   |
| Lead   | mg/Kg | 11/04/95         | 5.0                | 8.0               |
| Lab No: 9510M13-05<br>Sample Desc : <b>SOLID,SP-5</b>      |       |                  |                    |                   |
| Lead   | mg/Kg | 11/04/95         | 5.0                | 14                |
| Lab No: 9510M13-06<br>Sample Desc : <b>SOLID,SP-6(A-D)</b> |       |                  |                    |                   |
| Lead   | mg/Kg | 11/04/95         | 5.0                | 13                |

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

SEQUOIA ANALYTICAL - ELAP #1210

Mark Cargasacchi Project Manager



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**Touchstone Developments** 5807 Balboa Drive Oakland, CA 94611

Client Proj. ID: Sample Descript: SP-1

Chevron 9-4463/9-4463

Matrix: SOLID Analysis Method: 8015Mod/8020

Received: 10/31/95 Extracted: 11/02/95 Analyzed: 11/02/95

Sampled: 10/31/95

Attention: Robert Mallory

Lab Number: 9510M13-01

Reported: 11/08/95

QC Batch Number: GC110295BTEXEXA

Instrument ID: GCHP18

## Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

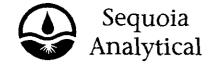
| Analyte  | Detection Limit<br>mg/Kg                    | Sample Results<br>mg/Kg              |
|--|---|--------------------------------------|
| TPPH as Gas<br>Benzene<br>Toluene<br>Ethyl Benzene<br>Xylenes (Total)<br>Chromatogram Pattern: | 1.0<br>0.0050<br>0.0050<br>0.0050<br>0.0050 | N.D.<br>N.D.<br>N.D.<br>N.D.<br>N.D. |
| Surrogates<br>Trifluorotoluene   | <b>Control Limits %</b> 70 130              | % Recovery<br>85                     |

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

SEQUQIA ANALYTICAL - ELAP #1210

Mark Cargasacchi Project Manager

Page.



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**Touchstone Developments** 5807 Balboa Drive Oakland, CA 94611

Attention: Robert Mallory

Client Proj. ID: Chevron 9-4463/9-4463

Sample Descript: SP-2 Matrix: SOLID

Analysis Method: 8015Mod/8020 Lab Number: 9510M13-02

Sampled: 10/31/95 Received: 10/31/95 Extracted: 11/02/95 Analyzed: 11/02/95

Reported: 11/08/95

QC Batch Number: GC110295BTEXEXA

Instrument ID: GCHP18

## Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

| Analyte   | Detection<br>mg/Kg |               | Sample Results<br>mg/Kg |
|---|--------------------|---------------|-------------------------|
| TPPH as Gas Benzene Toluene Ethyl Benzene Xylenes (Total) Chromatogram Pattern: | 1.0<br>0.005<br>   | 50<br>50      | 0.0070                  |
| Surrogates<br>Trifluorotoluene  | Control Lin        | nits %<br>130 | % Recovery<br>89        |

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

SEQUOIA ANALYTICAL ELAP #1210

Mark Cargasacchi Project Manager



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**Touchstone Developments** 5807 Balboa Drive Oakland, CA 94611

Attention: Robert Mallory

Client Proj. ID: Chevron 9-4463/9-4463

Sample Descript: SP-3 Matrix: SOLID

Analysis Method: 8015Mod/8020 Lab Number: 9510M13-03

Received: 10/31/95 Extracted: 11/02/95 Analyzed: 11/02/95 Reported: 11/08/95

Sampled: 10/31/95

QC Batch Number: GC110295BTEXEXA

Instrument ID: GCHP18

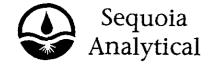
## Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

| Analyte   |               | ion Limit<br>/Kg | Sample Results<br>mg/Kg                  |
|---|---------------|------------------|--|
| TPPH as Gas Benzene Toluene Ethyl Benzene Xylenes (Total) Chromatogram Pattern: | 0.<br>0.<br>0 | .0050            | N.D.<br>N.D.<br>0.015<br>0.0083<br>0.042 |
| Surrogates<br>Trifluorotoluene  | Control<br>70 | Limits %         | % Recovery<br>95                         |

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

SEQUOIA ANALYTICAL - ELAP #1210

Mark Cargasacchi Project Manager



Redwood City, CA 94063 Walnut Creek, CA 94598 (415) 364-9600 (510) 988-9600 (916) 921-9600 FAX (415) 364-9233 FAX (510) 988-9673 FAX (916) 921-0100

Touchstone Developments 5807 Balboa Drive Oakland, CA 94611

Attention: Robert Mallory

Client Proj. 1D: Chevron 9-4463/9-4463

Sampled: 10/31/95 Sample Descript: SP-4 Matrix: SOLID Received: 10/31/95 Extracted: 11/02/95 Analysis Method: 8015Mod/8020

Lab Number: 9510M13-04

Analyzed: 11/02/95 Reported: 11/08/95

QC Batch Number: GC110295BTEXEXA

Instrument ID: GCHP18

## Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

| Analyte  | Detection Limit mg/Kg                 | Sample Results<br>mg/Kg                       |
|--|---------------------------------------|---|
| TPPH as Gas Benzene Toluene Ethyl Benzene  Xylenes (Total) Chromatogram Pattern: | 1.0<br>0.0050<br>0.0050<br>0.0050<br> | N.D.<br>N.D.<br>N.D.<br>N.D.<br><b>0.0063</b> |
| Surrogates<br>Trifluorotoluene   | Control Limits % 130                  | % Recovery<br>98                              |

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

SEQUOJA ANALYTICAL - ELAP #1210

Mark Cargasacchi Project Manager



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Touchstone Developments 5807 Balboa Drive Oakland, CA 94611

Client Proj. ID: Chevron 9-4463/9-4463 Sample Descript: SP-5

Sampled: 10/31/95 Received: 10/31/95

Attention: Robert Mallory

Matrix: SOLID Extracted: 11/02/95 Analysis Method: 8015Mod/8020 Lab Number: 9510M13-05 Analyzed: 11/03/95 Reported: 11/08/95

QC Batch Number: GC110295BTEXEXA

Instrument ID: GCHP18

## Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

| Analyte  | Detection Limit mg/Kg                       | Sample Results<br>mg/Kg              |  |
|--|---|--------------------------------------|--|
| TPPH as Gas<br>Benzene<br>Toluene<br>Ethyl Benzene<br>Xylenes (Total)<br>Chromatogram Pattern: | 1.0<br>0.0050<br>0.0050<br>0.0050<br>0.0050 | N.D.<br>N.D.<br>N.D.<br>N.D.<br>N.D. |  |
| Surrogates<br>Trifluorotoluene   | Control Limits % 130                        | % Recovery<br>95                     |  |

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

SEQUOJA ANALYTICAL - ELAP #1210

Mark Cargasacchi Project Manager

Page:



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Touchstone Developments 5807 Balboa Drive Oakland, CA 94611

Client Proj. ID: Sample Descript: SP-6(A-D)

Chevron 9-4463/9-4463

Sampled: 10/31/95 Received: 10/31/95

Attention: Robert Mallory

Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9510M13-06

Extracted: 11/02/95 Analyzed: 11/02/95 Reported: 11/08/95

QC Batch Number: GC110295BTEXEXA

Instrument ID: GCHP18

# Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

| Analyte   |             | ction Limit<br>ng/Kg                | Sample Results<br>mg/Kg  |
|---|-------------|-------------------------------------|--------------------------|
| TPPH as Gas Benzene Toluene Ethyl Benzene Xylenes (Total) Chromatogram Pattern: |             | 100<br>0.50<br>0.50<br>0.50<br>0.50 | N.D.<br>9.5<br>6.8<br>39 |
| Surrogates<br>Trifluorotoluene  | Contr<br>70 | roi Limits %<br>130                 | % Recovery<br>91         |

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

SEQUOIA ANALYTICAL - ELAP #1210

Mark Cargasacchi Project Manager



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

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**Touchstone Developments** 5807 Balboa Drive Oakland, CA 94611 Robert Mallory Attention:

Client Proj. ID: Chevron 9-4463/9-4463

Received: 10/31/95

Lab Proj. ID: 9510M13

Reported: 11/08/95

## **LABORATORY NARRATIVE**

TPPH note: sample 9510M13-06 was diluted 100 fold.

SEQUOIA ANALYTICAL

M Cargasacchi Project Manager

Page 1



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

Touchstone Developments 5807 Balboa Drive

Client Project ID:

Chevron 9-4463/9-4463

Oakland, CA 94611

Matrix: Solid

Attention: Robert Mallory

Work Order #: 9510M13 -01-06

Reported:

Nov 9, 1995

### **QUALITY CONTROL DATA REPORT**

| Analyte:                            | Beryllium       | Cadmium         | Chromium        | Nickel          |
|-------------------------------------|-----------------|-----------------|-----------------|-----------------|
|                                     |                 |                 |                 |                 |
|                                     | ME1103956010MDE | ME1103956010MDE | ME1103956010MDE | ME1103956010MDE |
| Analy. Method:                      |                 | EPA 6010        | EPA 6010        | EPA 6010        |
| Prep. Method:                       | EPA 3050        | EPA 3050        | EPA 3050        | EPA 3050        |
| Analysis                            | O Madata        |                 |                 |                 |
| Analyst:<br>MS/MSD #:               |                 | C. Medefesser   | C. Medefesser   | C. Medefesser   |
|                                     |                 | 951121401       | 951121401       | 951121401       |
| Sample Conc.:                       |                 | N.D.            | 26              | 9.5             |
| Prepared Date:                      |                 | 11/3/95         | 11/3/95         | 11/3/95         |
| Analyzed Date:                      |                 | 11/4/95         | 11/4/95         | 11/4/95         |
| Instrument I.D.#:                   |                 | MTJA2           | MTJA2           | MTJA2           |
| Conc. Spiked:                       | 100 mg/Kg       | 100 mg/Kg       | 100 mg/Kg       | 100 mg/Kg       |
| Result:                             | 100             | 97              | 120             | 110             |
| MS % Recovery:                      | 100             | 97              | 94              | 101             |
|                                     | .00             | <b>5</b> ,      | 54              | 101             |
| Dup. Result:                        | 100             | 96              | 120             | 110             |
| MSD % Recov.:                       | 100             | 96              | 94              | 101             |
| % RPD:                              | 0.0             | 1.0             | 0.0             |                 |
| RPD Limit:                          | 0-30            | 0-30            | 0.0             | 0.0             |
| = = = = = = = = = = = = = = = = = = | 0.50            | 0-30            | 0-30            | 0-30            |
|                                     |                 |                 |                 |                 |
| LCS #:                              | BLK110395       | BLK110395       | BLK110395       | BLK110395       |
| Prepared Date:                      | 11/3/95         | 11/3/95         | 11/3/95         | 44 /0 /05       |
| Analyzed Date:                      | 11/4/95         | 11/4/95         |                 | 11/3/95         |
| Instrument I.D.#:                   | MTJA2           | MTJA2           | 11/4/95         | 11/4/95         |
| Conc. Spiked:                       |                 |                 | MTJA2           | MTJA2           |
| Colic. Spikeu.                      | 100 mg/Kg       | 100 mg/Kg       | 100 mg/Kg       | 100 mg/Kg       |
| LCS Result:                         | 100             | 100             | 100             | 100             |
| LCS % Recov.:                       | 100             |                 |                 |                 |
| LCS % Recov.:                       |                 | 100             | 100             | 100             |
| เพอ/เพอบ                            |                 |                 |                 | •               |

SEQUOIA ANALYTICAL

LCS

**Control Limits** 

Mark J. Cargasacchi Project Manager Please Note:

75-125

75-125

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.

75-125

75-125

<sup>\*\*</sup> MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference



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

Touchstone Developments 5807 Balboa Drive Oakland, CA 94611

Client Project ID:

Chevron 9-4463/9-4463

Matrix: Solid

Attention: Robert Mallory

Work Order #: 9510M13-01-06

9510M13-01-06 Reported: Nov 9, 1995

#### **QUALITY CONTROL DATA REPORT**

| Analyte:        | Benzene         | Toluene         | Ethyl           | Xylenes         |  |
|-----------------|-----------------|-----------------|-----------------|-----------------|--|
|                 |                 |                 | Benzene         |                 |  |
|                 | GC110295BTEXEXA | GC110295BTEXEXA | GC110295BTEXEXA | GC110295BTEXEXA |  |
| Analy. Method:  |                 | EPA 8020        | EPA 8020        | EPA 8020        |  |
| Prep. Method:   | EPA 5030        | EPA 5030        | EPA 5030        | EPA 5030        |  |
| Analyst:        | D. Jirsa        | D. Jirsa        | D. Kana         | D. 11           |  |
| MS/MSD #:       |                 |                 | D. Jirsa        | D. Jirsa        |  |
| Sample Conc.:   |                 | 9510J1101       | 9510J1101       | 9510J1101       |  |
| Prepared Date:  |                 | N.D.            | N.D.            | N.D.            |  |
|                 | . ,             | 11/2/95         | 11/2/95         | 11/2/95         |  |
| Analyzed Date:  |                 | 11/2/95         | 11/2/95         | 11/2/95         |  |
| strument I.D.#: |                 | GCHP1           | GCHP1           | GCHP1           |  |
| Conc. Spiked:   | 0.20 mg/Kg      | 0.20 mg/Kg      | 0.20 mg/Kg      | 0.60 mg/Kg      |  |
| Result:         | 0.19            | 0.19            | 0.19            | 0.56            |  |
| MS % Recovery:  | 95              | 95              | 95              | 93              |  |
| Dup. Result:    | 0.19            | 0.19            | 0.19            | 0.57            |  |
| MSD % Recov.:   | 95              | 95              | 95              | 95              |  |
| RPD:            | 0.0             | 0.0             | 0.0             | 1.8             |  |
| RPD Limit:      | 0-50            | 0-50            | 0-50            | 0-50            |  |

| LCS #:           | BLK110295  | BLK110295    | BLK110295  | BLK110295  |  |
|------------------|------------|--------------|------------|------------|--|
| Prepared Date:   | 11/2/95    | 11/2/95      | 11/2/95    | 11/2/95    |  |
| Analyzed Date:   | 11/2/95    | 11/2/95      | 11/2/95    | 11/2/95    |  |
| nstrument I.D.#: | GCHP1      | GCHP1        | GCHP1      | GCHP1      |  |
| Conc. Spiked:    | 0.20 mg/Kg | 0.20 mg/Kg   | 0.20 mg/Kg | 0.60 mg/Kg |  |
| LCS Result:      | 0.21       | 0.21         | 0.21       | 0.63       |  |
| LCS % Recov.:    | 105        | 105          | 105        | 105        |  |
|                  | •          | <del>-</del> | •          |            |  |

47-155

SEQUOIA ANALYTICAL

Control Limits

Mark J. Cargasacchi Project Manager Please Note:

47-149

55-145

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.

56-140

<sup>\*\*</sup> MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

| - Fax- co  | py of             | Lab   | Rep  | oort   | and      | COC to                   | Che              | vror                            | ı Co                 | ntac                     |                              | <u>И</u> С                    |                           |          |  | С        | hai      | n-c            | of-          | Cus          | tody-Red             | cor          |
|--|-------------------|---|--|--|----------|--------------------------|------------------|---------------------------------|----------------------|--------------------------|------------------------------|-------------------------------|---------------------------|----------|--|----------|----------|----------------|--------------|--------------|----------------------|--------------|
| Chevron U.<br>P.O. BOX<br>San Ramon,<br>FAX (415)8 | 5004<br>CA 94583  | Chevron Facility Number 9-4463  Facility Address 1801 DARK 5T, ALAMEDR, CA,  Consultant Project Number 9-4463  Consultant Name TOUCN STONE DEVELORMENTS  Consultant Name TOUCN STONE DEVELORMENTS  Laboratory Name SEQUOIA  Laboratory Release Number WILL CALL |  |  |          |                          |                  |                                 |                      |                          |                              | EK<br>34                      | n)                        |          |  |          |          |                |              |              |                      |              |
| Sample Number                                      | Lab Sample Number | Number of Containers  | Metrix<br>S = Soil A = Air<br>W = Water C = Charcool | Type G = Grab<br>C = Composite<br>D = Discrete |          | Sample Preservation      | iced (Yes or No) | BTEX + TPH GAS<br>(8020 + 8015) | TPH Diesel<br>(8015) | Oil and Grease<br>(5520) | Purgeable Halocarbons (8010) | Purgeable Aromatics<br>(8020) | Purgeable Organics (8240) |          | Metals<br>Cd,Cr,Pb,Zn,Ni<br>(ICAP or AA) |          |          |                |              |              | 9510W                | 113          |
| 5P-1   | OL A              | /   | 5  | G  |          |                          | У                | X                               |                      |                          |                              |                               |                           |          |  | X        |          | <u> </u>       |              |              |                      |              |
| SP-2   | 02                | <del>                                     </del>  | 5  | 6  |          |                          | λ<br>λ           | X                               |                      |                          |                              | <del></del>                   |                           |          |  | X        | <u> </u> |                |              | ļ            |                      | <del></del>  |
| SP-3<br>SP-4                                       | 04                | 1   | 5  | 6  |          |                          | <u>ү</u><br>У    | 1 X                             |                      |                          |                              |                               |                           |          |  | X        |          | <del> </del> - | ļ            | <del> </del> |                      |              |
| 59-5   | 054               |   | 5  | G  |          |                          | y                | X                               |                      |                          |                              |                               |                           |          |  | X        |          |                | <del> </del> | ļ <u>.</u>   |                      |              |
| 5P-6(A-D)  | 06 N-D            | 4   | 5  | C  |          |                          | У                | X                               |                      |                          |                              |                               |                           |          |  | X        |          |                |              |              |                      |              |
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|  |                   |   | [. <u>-</u>  | <u> </u>                                       | ļ.,      |                          |                  |                                 | ļ                    |                          |                              | ··                            |                           |          |  |          |          |                | <del> </del> | ļ            |                      |              |
|  |                   |   |  |  |          |                          |                  |                                 |                      |                          |                              |                               | ,                         | <u> </u> |  |          |          | <u> </u>       |              |              |                      | <del>,</del> |
|  |                   |   |  |  |          |                          |                  |                                 |                      |                          |                              | <del></del>                   |                           |          |  |          |          |                |              |              |                      |              |
|  |                   |   |  |  |          |                          |                  |                                 |                      |                          |                              |                               |                           |          |  |          |          |                |              |              |                      |              |
|  | <u> </u>          |   |  |  | <u> </u> |                          |                  | <u> </u>                        |                      |                          |                              |                               |                           |          |  |          |          |                |              |              |                      |              |
| Relinguished By                                    | (Signature)       | fly   | Orgo   | nization                                       |          | ote/Ilme<br> 31  45  9:1 |                  | elyed By                        | / (Signa             | ture)<br>                |                              |                               | Organizati                | on       | Date                                     | /Time    |          |                | Turn Arc     |              | ne (Circle Choloe)   |              |
| Inquished By                                       | (Signature)       | <i>(</i> )  | Oron   | unization                                      |          | ote/Ilme                 |                  | elved By                        | Signo                | ture)                    |                              | 1                             | Organizati                | on       | Date                                     | ∕Time    |          |                |              | 48<br>5      | Hre.<br>Hre.<br>Daye |              |
| A BY   | (Signature)       |   | Orgo   | inization                                      | D        | ate/Time                 | Reo              | Soo Fo                          | r Labor              | otory By                 | (Signat                      | ure).                         |                           |          | Date<br>(0/                              | /11me (0 | લિં      |                | <            |              | Doye<br>ntracted     |              |