94 AUG 22 PH 4: 02

August 16, 1994

Mr. Lynn Walker Shell Oil Company P.O. Box 4023 Concord, California 94524

RE: Site Investigation Former Shell Service Station

461 Eighth Street Oakland, California WIC 204-5508-6205

Dear Mr. Walker:

This report presents the results of the soil investigation conducted by Enviros, Inc. (Enviros) at the former Shell Oil Company Service Station located at 461 Eighth Street in Oakland, California (Plates 1 and 2). The purpose of this investigation was to evaluate the presence of petroleum hydrocarbons in soils and groundwater beneath the subject site. Specific work tasks included the collection of representative soil samples for chemical analysis in the vicinity of the former underground storage tanks (USTs), adjacent to the former waste oil tank, beneath the former dispenser islands and along former product distribution lines.

Due to subsurface conditions encountered during the field investigation, groundwater samples were not obtained. At the nine locations selected for groundwater sampling, probe refusal occurred at depths ranging from 9.0 to 20.5 feet below grade (fbg). It is surmised that as probes were driven into the finegrained sands and silty sands beneath the former service station property, these materials became compacted, resulting in refusal.

Field activities performed during this site investigation were performed to comply with Regional Water Quality Control Board (RWQCB) and Alameda County Health Care Services Agency (ACHCSA) guidelines.

Specific work tasks that were to be performed by Enviros were presented in the Work Plan dated November 2, 1994. All tasks were completed with the exception of collecting and analyzing groundwater samples.

1.0 SITE DESCRIPTION

The subject property is located on the southwest corner of the intersection of Broadway and Eighth Street in Oakland, California (Plate 2).

In 1981, monitoring wells S-1, S-2 and S-3 were installed on the Shell property. Well S-1 was installed in the northwest corner of the property, well S-2 in the northeast corner of the property and well S-3 in the southwest corner of the

property. Well S-4 was installed across the street (Broadway), adjacent to the BART tunnel. Wells S-5 and S-6 were installed southwest of the site near a reported BART tunnel leak. A recovery well and groundwater extraction system were installed adjacent to well S-6. Well S-7 was installed at the intersection of Washington Street and 5th Street on the southwest side of Highway 880. The observed groundwater leak was sealed by BART in approximately 1981.

Contaminated groundwater was recovered by the extraction system from February 1982 to August 1982. Well S-7 and the recovery well adjacent to well S-6 were destroyed in 1985. Wells S-1, S-2 and S-3 were destroyed in 1987.

In June 1993, GeoStrategies, Inc. performed a Preliminary Site Assessment (PSA) of the subject property. Research performed during the PSA identified the existence of seven sites with known UST leaks within a quarter-mile radius of the subject property. Based on the location of the subject property with respect to these seven sites, four of the sites with leaking USTs have the potential to impact soils and groundwater conditions beneath the former Shell service station property.

Quarterly groundwater monitoring of wells S-4, S-5 and S-6 began in October 1988. Separate-phase hydrocarbons have periodically been detected in wells S-5 and S-6. Product has subsequently been removed from these two wells by bailing and by using a vacuum truck. Product is removed from Well S-5 on a monthly basis.

The subject site is currently being used as a parking lot operated by City Services Parking.

2.0 FIELD PROCEDURES

2.1 Exploratory Soil Probes

A total of nine exploratory soil probes (B-1 through B-9) were driven and sampled using a mobile air hammer. These probe locations were lithologically logged by an Enviros geologist using the Unified Soils Classification System and Munsell Color chart. The locations of these soil probes are presented on Plate 2. Boring B-9 was continuously cored between depths of 5.0 and 14.0 feet. A planned second continuous core was not performed due to encountered drilling conditions.

Soil samples were collected for lithologic description, head-space analysis and chemical analysis at five-foot intervals.

Each sampling interval was screened for the presence of organic vapors using a photo ionization detector (PID) OVM. PID readings are shown on each exploratory boring log. Encountered lithology is described on the exploratory boring logs presented in Appendix A.

Retrieved soil probe tubes selected for chemical analysis were covered with teflon tape and capped. The samples were labeled, entered onto a Chain-of-Custody record and stored in a cooler with ice. The samples were transported to National

Environmental Testing, Inc. (NET) of Santa Rosa, California, a state-certified environmental laboratory.

Borings B-1 through B-9 were sealed to grade with cement grout after completion of sampling and logging activities.

Selected soil samples collected from the nine probe locations were analyzed for Total Petroleum Hydrocarbons calculated as Gasoline and Diesel (TPH-G and TPH-D) according to EPA Method 8015 (Modified) and benzene, toluene, ethylbenzene and xylenes (BTEX) according to EPA Method 8020. Soil samples retrieved adjacent to the former waste oil tank were also analyzed for Total Oil and Grease according to Method 5520 E&F, halogenated volatile organics according to EPA Method 8010 and ICAP 5 Metals (Cadmium, Chromium, Lead, Zinc and Nickel).

Decontamination Procedures

Decontamination of probe and sampling equipment was not required. New probe piping and drive points were utilized at each probe location.

Soil Stockpile

The use of soil probes does not generate any excess soil cuttings. Therefore, no soils were generated or stockpiled on site as a result of this investigation.

2.2 Groundwater Sampling

Groundwater was not encountered during this investigation. The compaction of fine-grained sands during the driving of the soil probes resulted in refusal before groundwater was encountered at all nine probe locations. Therefore, groundwater sampling and analysis did not occur as part of this investigation.

3.0 FINDINGS

3.1 Geology and Hydrogeology

Lithology encountered during the advancement of soil probes beneath the subject property consists primarily of a fine grained sands (SP) to a depth of 20 feet below grade. Silt was identified in these sands ranging from a trace up to approximately 30% in composition.

The encountered sands appeared to increase in compaction below a depth of five feet as witnessed by the inability of the drive hammer to advance probes at depths as shallow as 9.0 feet (probe location B-8). The deepest penetration of the subsurface using soil probes was 20.5 feet at probe location B-2.

Boring B-9 was continuously cored between depths of 5.0 to 14 feet. Evaluation of this core shows soils to consist of fine grained sands with minimal quantities of interspersed silts between these depths.

It is believed that the sands encountered beneath the subject property are part of the Merritt Sands.

Groundwater was not encountered in any of the boring locations, to a maximum depth of 20.5 fbg. Groundwater flow direction is assumed to be to the southwest, but could not be determined based on the results of this investigation.

3.2 Soil Analytical Data

Soil hydrocarbon chemical analytical data are presented on Table 1. The distribution of petroleum hydrocarbons in soils is shown on Plate 3.

Laboratory certified analytical reports for soils are contained in Appendix B.

A summary of chemical analytical results for soils for the areas investigated is presented below.

3.2.1 Former Dispenser Islands

Probes B-1, B-4, B-6 and B-7 were driven in the location of the former dispenser islands (Plate 2). Low levels of TPH-G exist in soils in the areas of the former dispenser islands (probes B-4 and B-7) at detected concentrations ranging from 14 to 15 ppm at 10.0 feet below grade. TPH-D was detected in B-1, B-4 and B-7 at concentrations ranging from 13 to 410 ppm from 5.0 and 10.0 foot intervals. Benzene in soils from the former dispenser islands area ranged from ND to 0.24 ppm.

Sampling depths greater than 10.5 feet at B-1, B-4 and B-7 could not be achieved due to probe refusal.

3.2.2 Former Gasoline Underground Storage Tanks

Probe B-3 was driven into the former UST location (Plate 2). TPH-G was not detected in the 10.0 and 15.0 foot samples submitted to the laboratory for chemical analysis. TPH-D was detected in the 10.0 foot sample at a concentration of 50 ppm. Benzene was ND (Not Detected) in the 10.0 and 15.0 foot samples. Soil analytical data are presented in Table 1 and on Plate 3.

Although the soil probe was driven to a depth of 19.5 feet at this location, a soil sample was not obtainable at total depth due to compacted sand conditions.

Due to the compacted sand drilling conditions, a second probe was not advanced in the former UST location.

3.2.3 Assumed Upgradient and Downgradient Areas

Soils analyzed from probe locations B-8 (upgradient) and B-9 (downgradient) did not contain any detectable levels of TPH-G, TPH-D or BTEX compounds (Plate 3).

Probe refusal at these locations was encountered at 9.0 and 14.5 feet below grade respectively.

3.2.4 Former Waste Oil Tank

Soil samples collected from probe location B-5, adjacent to the former waste oil tank, contained detectable Oil & Grease concentrations at 5.0 feet of 54 ppm. TPH-G, TPH-D and BTEX compounds were ND to the total explored depth at this location (10.25 feet).

No halogenated volatile organic compounds were detected in soils analyzed from probe location B-5. Cadmium, Chromium, Lead, and Nickel detected in soils in the vicinity of the former waste oil tank are considered to be representative of background levels. Zinc was detected at concentrations of 140 ppm in the 5.0 foot sample interval, and 980 ppm in the 9.75 foot sample interval.

4.0 CONCLUSIONS

In the vicinity of the former dispenser islands, TPH-G was identified in soils at concentrations of 14 to 15 ppm. TPH-D was identified at concentrations ranging from ND to 410 ppm. Benzene was identified in only one soil sample from these areas, at a concentration of 0.24 ppm. The soil data from beneath the former dispenser islands is limited to a maximum depth of 18.5 feet, at location B-6.

TPH-D was detected at a concentration of 50 ppm in the former UST location at a depth of 10.0 feet. Samples were ND for TPH-G and benzene.

Total Oil & Grease was detected in soil adjacent to the former waste oil tank at a concentration of 54 ppm (5.0 foot depth interval). The soil sample beneath this depth (9.75 feet) was ND for Oil & Grease.

No halogenated volatile organics were detected in soils adjacent to the former waste oil tank. Zinc was detected at levels of 140 ppm and 980 ppm at the 5.0 and 9.75 depth intervals respectively.

No. C46725

If you have any questions regarding the contents of this document, please call.

Sincerely,

Enviros, Inc.

Seffrey L. Peterson

Hydrogeologist

Diane M. Lundquist, P.E.

Senior Engineer

C46725

Attachments

Table 1. Soil Analytical Data

Plate 1. Vicinity Map

Plate 2. Site Plan Plate 3. Soil Analytical Map

Appendix A: Exploratory Boring Logs

Appendix B: NET Laboratory Reports & Chain-of Custody Records

cc: Mr. Richard Hiett, Regional Water Quality Control Board

Ms. Jennifer Eberlee, Alameda County Health Care Services Agency

Mr. Jim Matthews, Shell Oil Company Mr. Steven Schulman, Wells Fargo Bank

9421605

TABLE 1 SOIL ANALYTICAL DATA

Former Shell Service Station 461 Eighth Street Oakland, California WIC 204-5508-6205

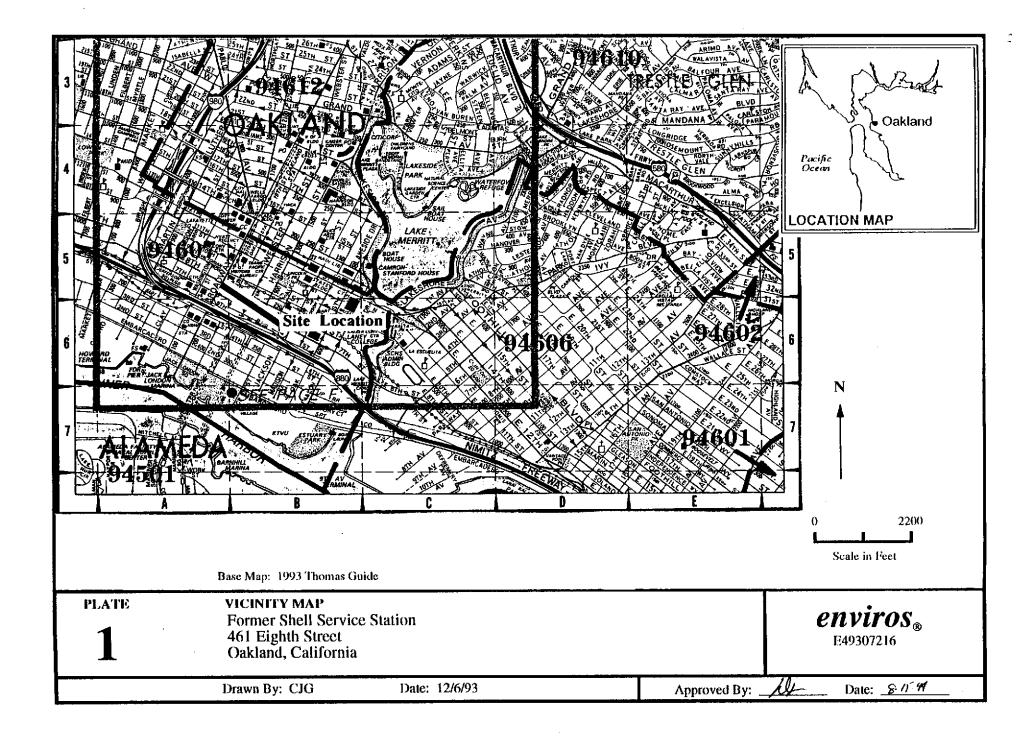
| | | ********* | WINEY CL | CODIT IN | DESIGNATE | TOTILINE | ETHYL | NAVE FARTES | OIL& | |
|----------------|---------------|----------------|----------------|----------------|------------------|------------|-----------------|---------------------------|-----------------|--------------|
| SAMPLE DATE | SAMPLE NO. | DEPTH (FT.) | TPH-G (PPM) | TPH-D (PPM) | BENZENE (PPM) | (PPM) | (PPM) | XYLENES (PPM) | GREASE (PPM) | |
| 7/6/94 | B1-5.0 | 5.0 | <1 | 28a | <0.0025 | <0.0025 | <0.0025 | <0.0025 | | |
| 7/6/94 | B1-10.0 | 10.0 | <1/ | <2 | <0.0025 | ··· | | | | |
| 7/6/94 | B2-5.0 | 5.0 | <1/ | 2/ | <0.0025/ | <0.0025 / | <0.0025 | | | |
| 7/6/94 | B2-15.0 | 15.0 | <1/ | <2/ | <0.0025 / | | | | | |
| 7/6/94 | B2-20.0 | 20.0 | <1 | <2/ | <0.0025 | 0.0028b | <0.0025 | 0.003b — | | |
| 7/6/94 | B3-10.0 | 10,0 | <1/ | 50a / | <0.0025 / | <0.0025 | <0.0025 | | | |
| 7/6/94 | B3-15.0 | 15.0 | <1 < | 4.1 | <0.0025 | <0.0025 | <0.0025 < | 0.025 | | |
| 7/6/94 | B4-5.0 | 5.0 | <1/ | <2/ | < 0.0025 | < 0.0025 | < 0.0025 | <0.0025 | | |
| 7/6/94 | B4-10.0 | 10.0 | (15) | 13c | <0.0025 | 0.037 | 0.027 | 0.21 | | + 68 TOG |
| 7/7/94 | B5-5.0 | 5.0 | <u> </u> | <2 (| <0.0025 | <0.0025 | < 0.0025 | - <0.0025 - | <u> </u> | (non-polar) |
| 7/7/94 | B5-9.75 | 9.75 | <1 | <2 | <0.0025 | <0.0025 | <0.0025 | < 0.0025 | <50 | 1 a 1 68 70 |
| 7/7/94 | B6-5.0 | 5.0 | <1 < | <2/ | < 0.0025 | <0.0025 | <0.0025 | <0.0025 | | BS-9.75/also |
| 7/7/94 | B6-18.5 | 18.5 | <1 | <2 / | <0.0025 / | | <0.0025 | <0.0025 | | BS-9.75/a/so |
| 7/7/94 | B7-5.0 | 5.0 | <1 < | 31a / | <0.0025 | <0.0025 | <0.0025 | <0.0025 | | ND Col |
| 7/7/94 | B7-10.0 | 10.0 | 14 | 410c | 0.24 | 0.89 | 0.31 | 2.0 | | ' س |
| 7/7/94 | B8-5.0 | 5.0 | <1 | 12/ | < 0.0025 / | <0.0025 | <0.0025 | <0.0025 | | 51 Cr |
| 7/7/94 | B8-9.0 | 9.0 | <1 < | <4 / | < 0.0025 | NO.0025 - | | | | 4.6 Pb |
| 7/7/94 | B9-5.0 | 5.0 | <1/ | <1 / | <0.0025 | <0.0025 / | < 0.0025 | <0.0025 | | 35 Ni |
| 7/7/94 | B9-14.5 | 14,5 | <1 / | <2 / | < 0.0025 | _<0.0025 - | <0.0025 <u></u> | <0.0025 | ~ - | 980 Zn |
| | | - | | | | | | | | ND 8010 |
| Abbreviation | ns: | | | | | <i>u</i> ~ | i 1 | | | _ |
| ГРН-G | = Total Petr | roleum Hydr | ocarbons cal | culated as | Gasoline. | 13 S | ·5' also | - • | VD C_{a} | (|
| PH-D | = Total Petr | roleum Hydr | ocarbons cal | culated as | Diesel. | | | -2 | 34 Cr | |

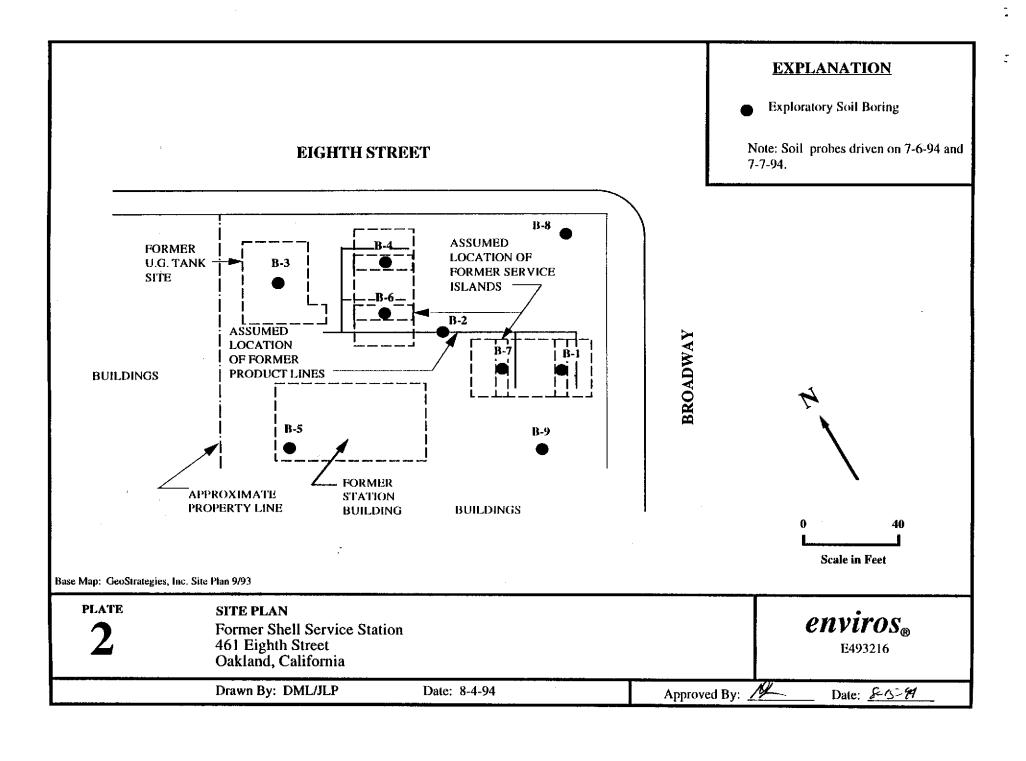
| <u>Abbreviatio</u> | ons: | 10 - 1 / 1 | |
|---|--|---|---------|
| TPH-G | = Total Petroleum Hydrocarbons calculated as Gasoline. | BS-5' also had | - (|
| TPH-D | = Total Petroleum Hydrocarbons calculated as Diesel. | | 34 Cr |
| PPM | = Parts Per Million. | | 4.0 Pb |
| <x< td=""><td>= Not Detected at detection limit of x</td><td></td><td>18 N;</td></x<> | = Not Detected at detection limit of x | | 18 N; |
| | = Not Analyzed | | 140 Zn |
| Notes: | | | ND 8010 |
| a | = The politive result appears to be a heavier hydrocarbon than Diese | l. ———————————————————————————————————— | |

= The politive result appears to be a heavier hydrocarbon than Diesel. = Positive result confirmed by secondary column or GC/MS analysis.

b

= The positive result appears to be a lighter hydrocarbon than Diesel.





Exploratory Soil Boring <1/<2/<0.0025/10.01 **EIGHTH STREET** TPH-G/TPH-D/Benzene/Depth in ft. Concentrations in parts per milliom (ppm). B-8 Oil & Grease in ppm. <1/<2/<0.0025/5.0 <1/<2/<0.0025/5.0 <1/<4/<0.0025/9.0' 15/13/<0.0025/10.0 <1/50/<0.0025/10.0 <1/<4.1/<0.0025/15.0 B-6 <1/<2/<0.0025/5.0 **B-2** -<1/<2/<0.0025/18.5[†] -<1/<2/<0.0025/5.0 <1/<2/<0.0025/15.0 <1/28/<0.0025/5.0' <1/<2/<0.0025/10.0' <1/<2/<0.0025/20.01 <1/31/<0.0025/5.04 14/410/0.24/10.0 B-5 B-9 <1/<2/<0.0025/54*/5.0^t <1/<1/<0.0025/5.0 <1/<2/<0.0025/<50*/9.75' <1/<2/<0.0025/14.5 Scale in Feet

PLATE

Base Map: GeoStrategies, Inc. Site Plan 9/93

SOIL ANALYTICAL MAP

3

Former Shell Service Station 461 Eighth Street Oakland, California

Drawn By: DML/JLP

Date: 8-4-94

enviros_®

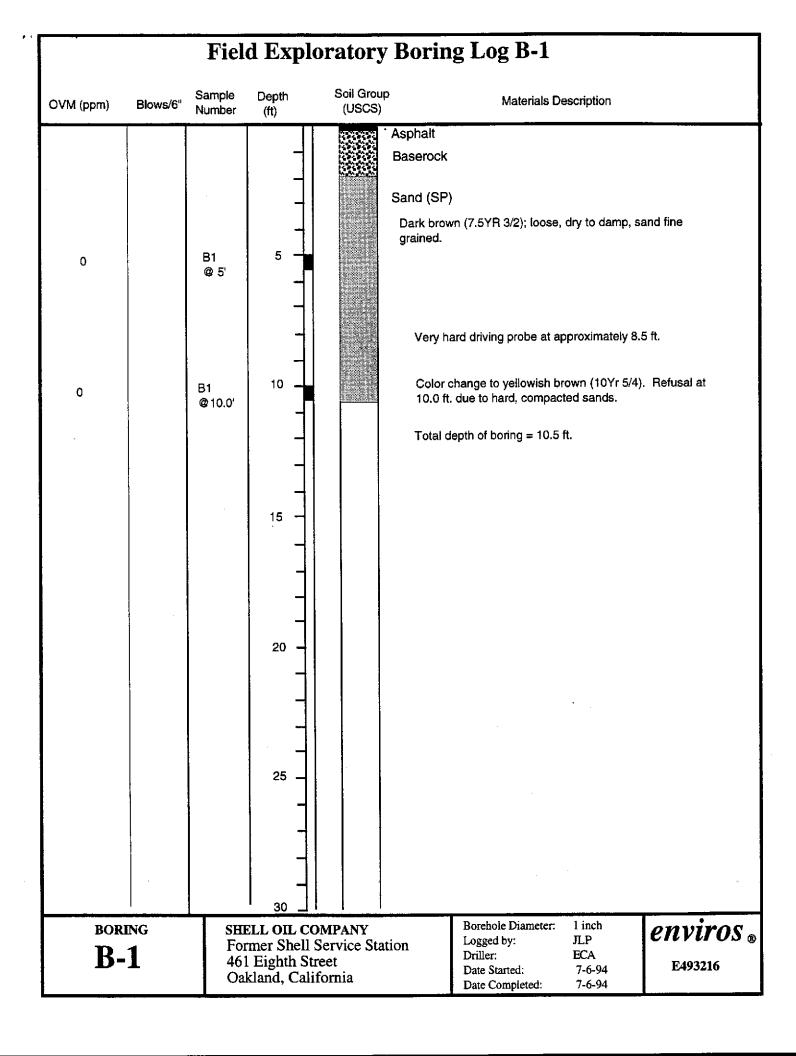
EXPLANATION

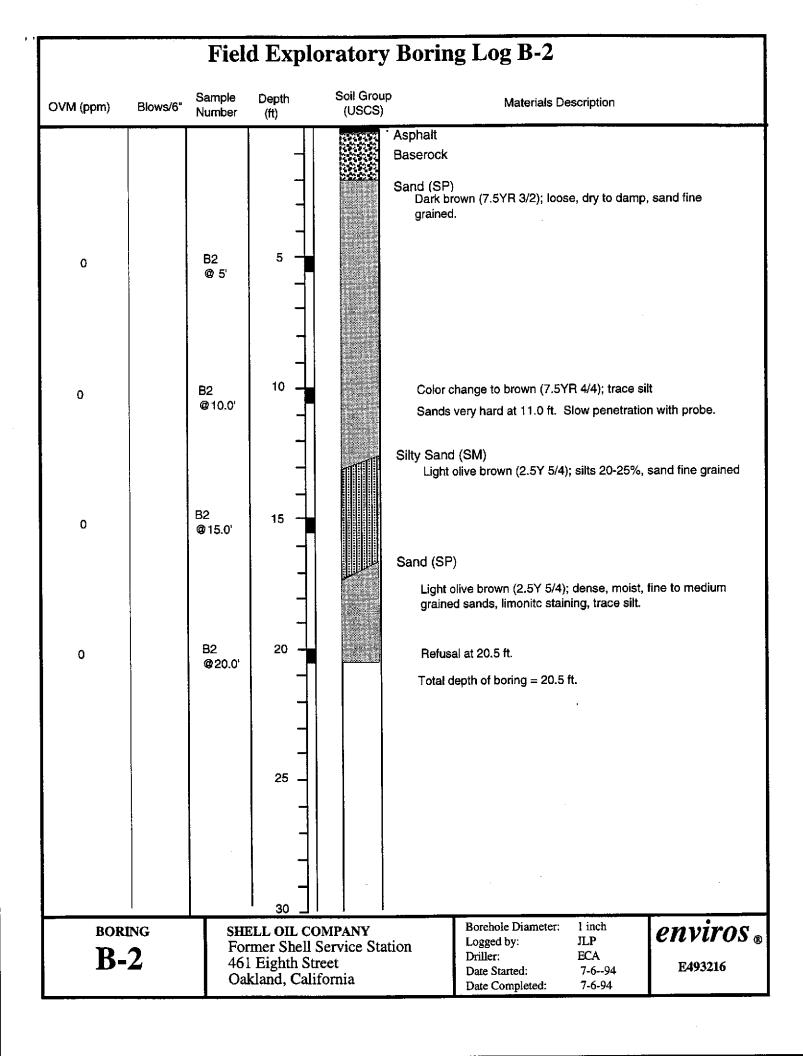
E493216

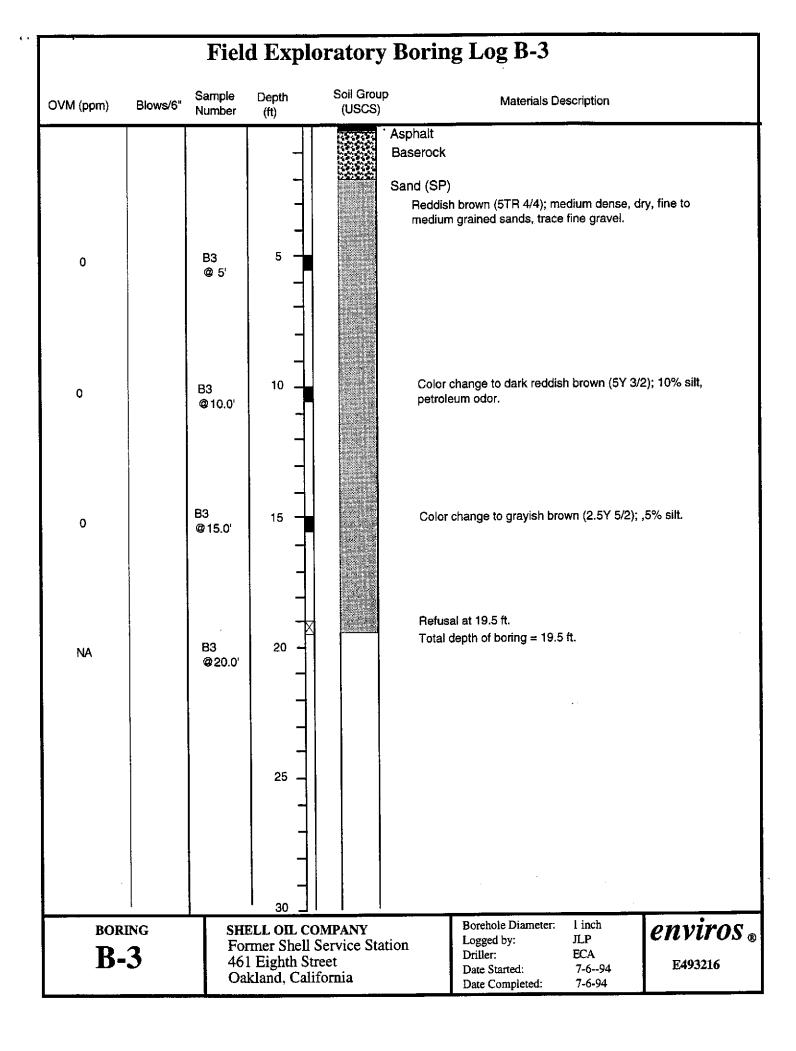
Approved By:

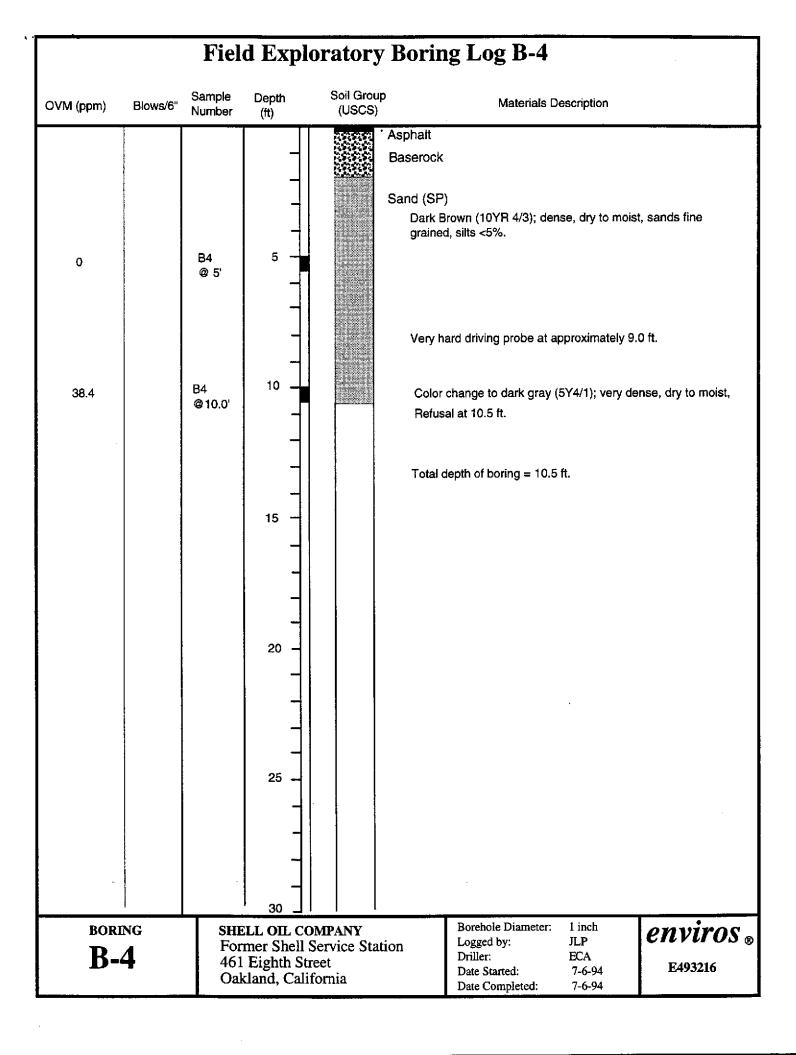
Date: 8-15 99

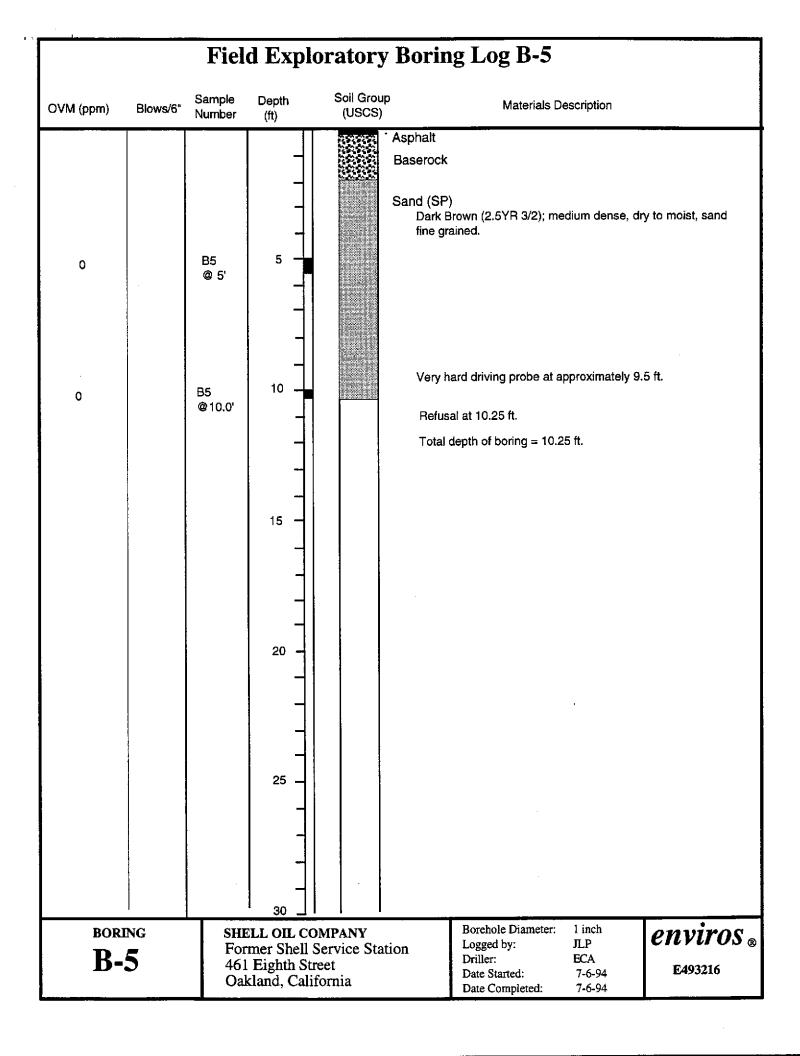
Appendix A Exploratory Boring Logs

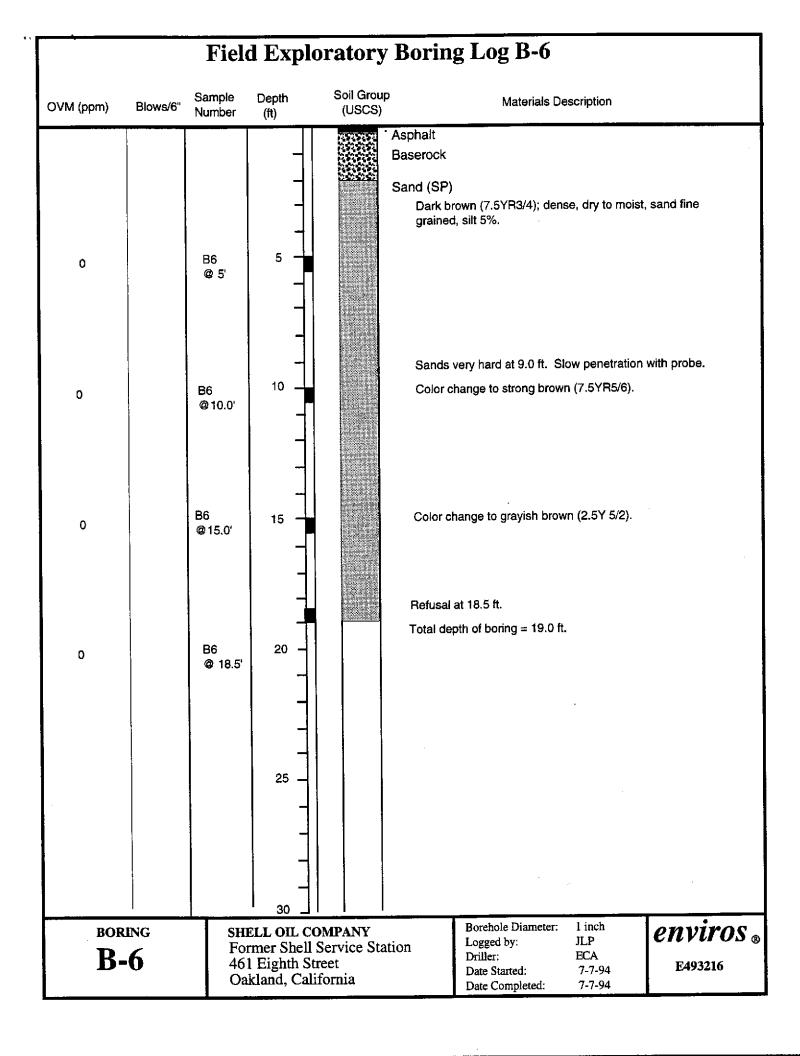


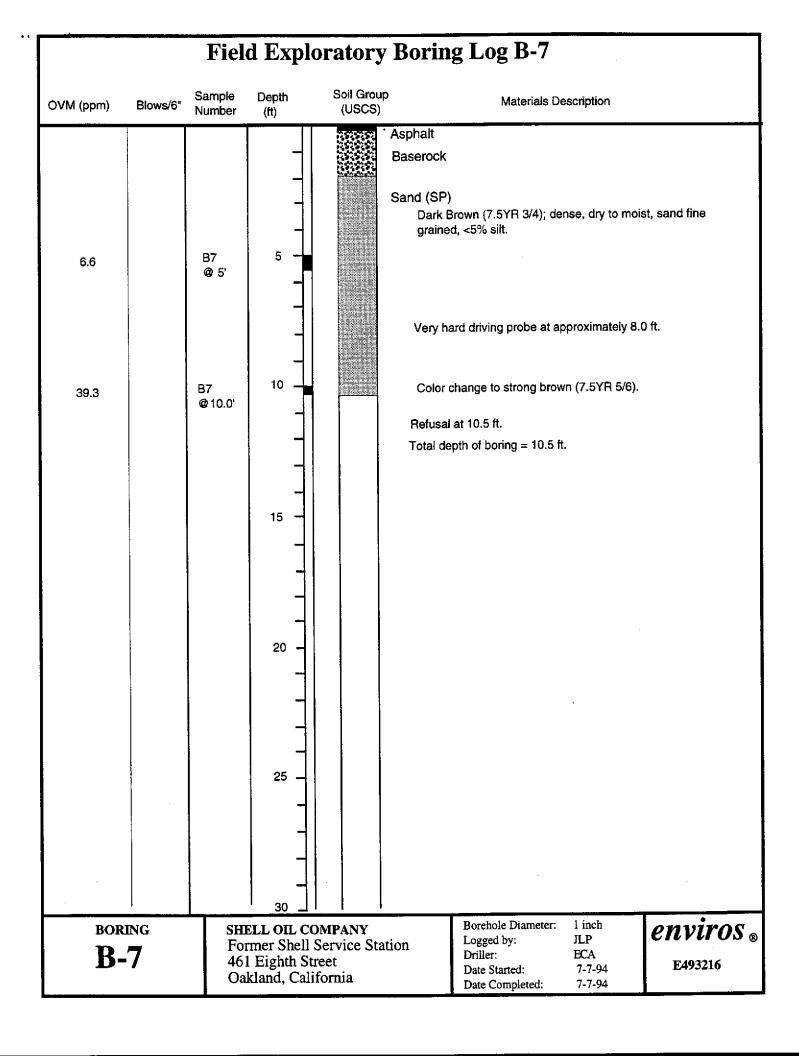


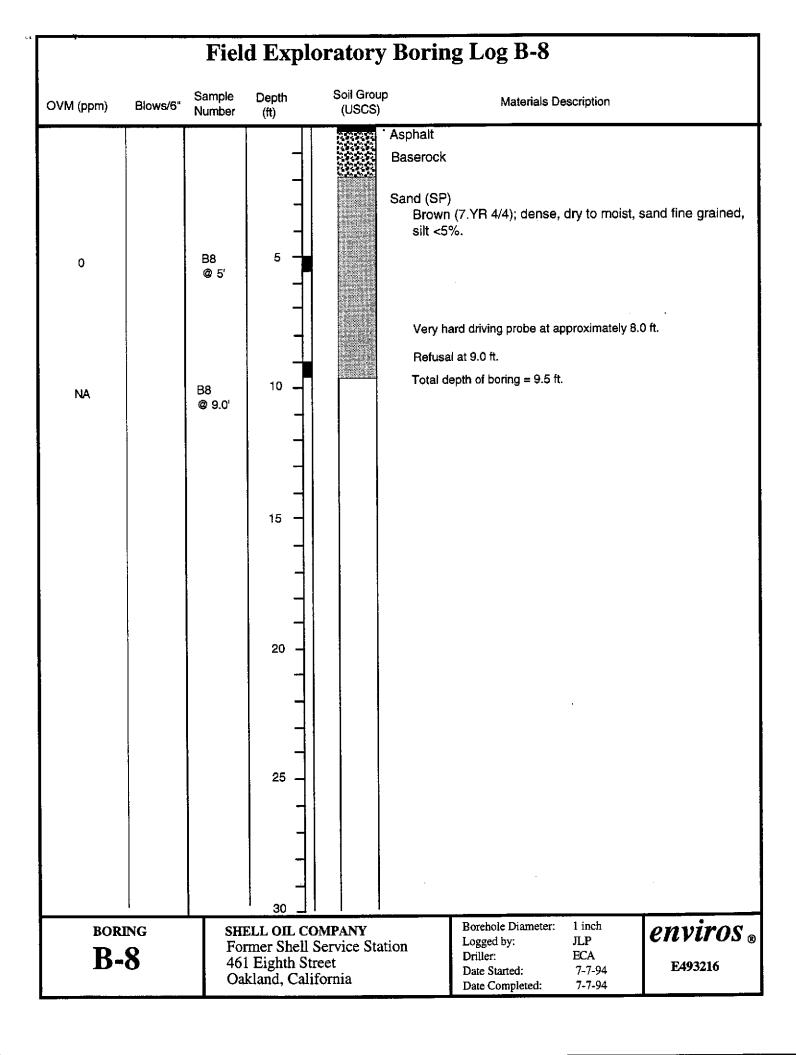


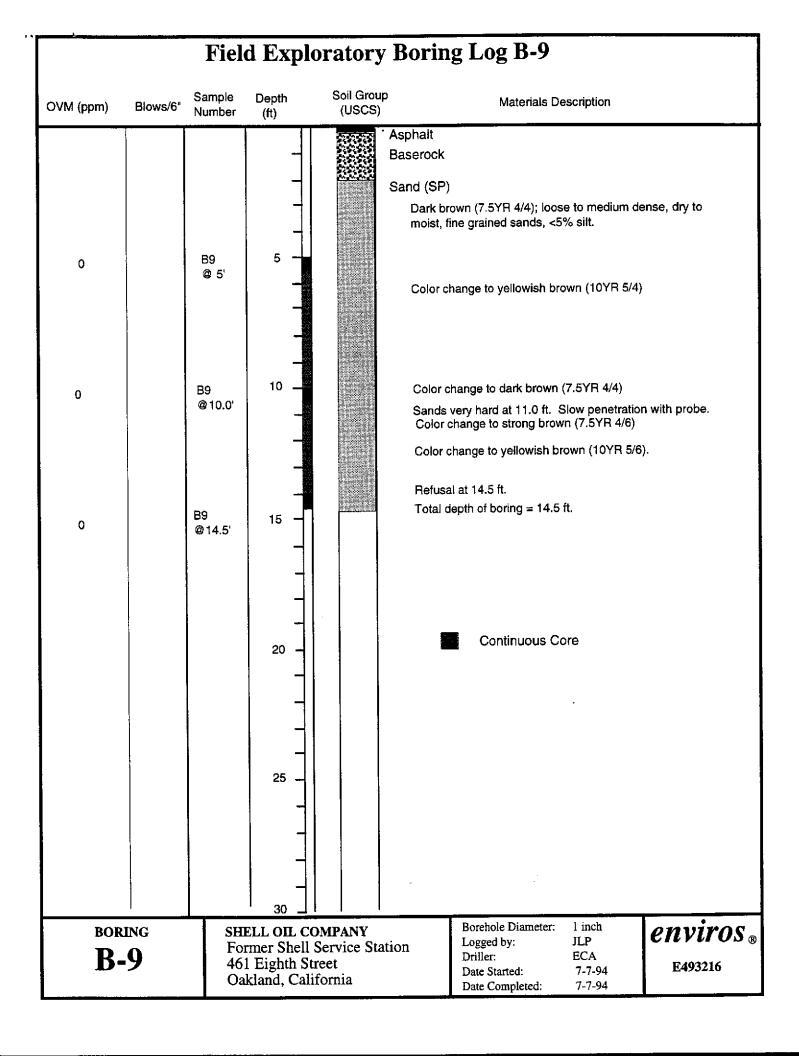












Appendix B

NET Laboratory Reports & Chain-of-Custody Records



Santa Rosa Division 435 Tesconi Circle Santa Rosa, CA 95401

Tel: (707) 526-7200 Fax: (707) 526-9623

Diane Lundquist Enviros PO Box 259 19411 Riverside Dr. Sonoma, CA 95476-0259 Date: 07/25/1994

NET Client Acct. No: 1826 NET Pacific Job No: 94.02912

Received: 07/08/1994

DEGELVED

Client Reference Information

SHELL, 461 8th St., Oakland

Sample analysis in support of the project referenced above has been completed and results are presented on following pages. Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Should you have questions regarding procedures or results, please feel welcome to contact Client Services.

Approved by:

Project Coordinator

Jim Hoch

Operations Manager

Enclosure(s)





Date: 07/25/1994 ELAP Certificate: 1386

Page: 2

Ref: SHELL, 461 8th St., Oakland

SAMPLE DESCRIPTION: B1-5.0

Date Taken: 07/06/1994

Time Taken:

NET Sample No: 199510

| | Reporting | | Date | Date | |
|---------------|---|-----------------------------|--------|------------------------------------|---|
| Results Flags | Limit | Units | Method | Extracted | Analyzed |
| | | | | | |
| / | | | | | 07/19/1994 |
| 1 / | | | | | 07/19/1994 |
| ND V | 1 | mg/kg | 5030 | | 07/19/1994 |
| | | | | | 07/19/1994 |
| ; | | | | | 07/19/1994 |
| 1 / | | | | | 07/19/1994 |
| ND | 0.0025 | mg/kg | 8020 | | 07/19/1994 |
| ND | 0.0025 | mg/kg | 8020 | | 07/19/1994 |
| ND | 0.0025 | mg/kg | 8020 | | 07/19/1994 |
| ND \$ | 0.0025 | mg/kg | 8020 | | 07/19/1994 |
| | | | | | 07/19/1994 |
| 82 | | % Rec. | 5030 | | 07/19/1994 |
| | | | | 07/14/1994 | |
| 1 / | | | | | 07/20/1994 |
| 28 DH | 1 | mg/kg | 3550 | | 07/20/1994 |
| C16-C28 | | | | | 07/20/1994 |
| | 1 ND ND ND ND ND ND ND ND ND ND ND ND ND | Results Flags Limit 1 ND 1 | 1 | Results Flags Limit Units Method | Results Flags Limit Units Method Extracted 1 |

DH : The positive result appears to be a heavier hydrocarbon than Diesel.



Client Acct: 1826 Client Name: Enviros

NET Job No: 94.02912

Date: 07/25/1994 ELAP Certificate: 1386

Page: 3

Ref: SHELL, 461 8th St., Oakland

SAMPLE DESCRIPTION: B1-10.0

Date Taken: 07/06/1994

Time Taken:

| tier bempro tio. Tooser | | | | | | |
|----------------------------|-----------------|----------|--------|--------|------------|------------|
| | | Reportin | 3 | | Date | Date |
| Parameter | Results Flags | Limit | Units | Method | Extracted | Analyzed |
| TPH (Gas/BTXE,Solid) | | | | | | |
| METHOD 5030/M8015 | / | | | | | 07/19/1994 |
| DILUTION FACTOR* | 1 / | | | | | 07/19/1994 |
| as Gasoline | ND √ | 1 | mg/kg | 5030 | | 07/19/1994 |
| Carbon Range: | | | | | | 07/19/1994 |
| METHOD 8020 (GC, Solid) | / | | | | | 07/19/1994 |
| DILUTION FACTOR* | 1 / | | | | | 07/19/1994 |
| Benzene | ND / | 0.0025 | mg/kg | 8020 | | 07/19/1994 |
| Toluene | NTD / | 0.0025 | mg/kg | 8020 | | 07/19/1994 |
| Ethylbenzene | ND / | 0.0025 | mg/kg | 8020 | | 07/19/1994 |
| Xylenes (Total) | ND ∫ | 0.0025 | mg/kg | 8020 | | 07/19/1994 |
| SURROGATE RESULTS | | | | | | 07/19/1994 |
| Bromofluorobenzene (SURR) | 96 | | % Rec. | 5030 | | 07/19/1994 |
| METHOD M8015 (EXT., Solid) | / | | | | 07/14/1994 | |
| DILUTION FACTOR* | 2 / | | | | | 07/20/1994 |
| as Diesel | _{ND} / | 2 | mg/kg | 3550 | | 07/20/1994 |
| Carbon Range: | | | | | | 07/20/1994 |
| | | | | | | |



Date: 07/25/1994 ELAP Certificate: 1386

Page: 5

Ref: SHELL, 461 8th St., Oakland

SAMPLE DESCRIPTION: 32-15.0

Date Taken: 07/06/1994

Time Taken:

| | | Reporting | ġ | | Date | Date |
|----------------------------|---------------|-----------|--------|--------|------------|------------|
| Parameter | Results Flags | Limit | Units | Method | Extracted | Analyzed |
| TPH (Gas/BTXE, Solid) | | | | | | |
| METHOD 5030/M8015 | | | | | | 07/19/1994 |
| DILUTION FACTOR* | 1 / | | | | | 07/19/1994 |
| as Gasoline | ND / | 1 | mg/kg | 5030 | | 07/19/1994 |
| Carbon Range: | | | | | | 07/19/1994 |
| METHOD 8020 (GC, Solid) | | | | | | 07/19/1994 |
| DILUTION FACTOR* | 1 / | | | | | 07/19/1994 |
| Benzene | ND / | 0.0025 | mg/kg | 8020 | | 07/19/1994 |
| Toluene | ND / | 0.0025 | mg/kg | 8020 | | 07/19/1994 |
| Ethylbenzene | ND / | 0.0025 | mg/kg | 8020 | | 07/19/1994 |
| Xylenes (Total) | ND | 0.0025 | mg/kg | 8020 | | 07/19/1994 |
| SURROGATE RESULTS | | | | | | 07/19/1994 |
| Bromofluorobenzene (SURR) | 101 | | % Rec. | 5030 | | 07/19/1994 |
| METHOD M8015 (EXT., Solid) | , | | | | 07/14/1994 | |
| DILUTION FACTOR* | 2 | | | | | 07/20/1994 |
| as Diesel | ND [| 2 | mg/kg | 3550 | | 07/20/1994 |
| Carbon Range: | | | | | | 07/20/1994 |



Date: 07/25/1994 ELAP Certificate: 1386

Page: 4

Ref: SHELL, 461 8th St., Oakland

SAMPLE DESCRIPTION: B2-5.0

Date Taken: 07/06/1994

Time Taken:

| NEI Sampie No: 199512 | | | | | | | |
|----------------------------|---------|-------|-----------|--------|--------|------------|------------|
| | | | Reporting | 3 | | Date | Date |
| Parameter | Results | Flags | Limit | Units | Method | Extracted | Analyzed |
| TPH (Gas/BTXE, Solid) | | | | | | | |
| METHOD 5030/M8015 | , | | | | | | 07/19/1994 |
| DILUTION FACTOR* | 1 / | | | | | | 07/19/1994 |
| as Gasoline | ND / | | 1 | mg/kg | 5030 | | 07/19/1994 |
| Carbon Range: | | | | | | | 07/19/1994 |
| METHOD 8020 (GC, Solid) | | | | | | | 07/19/1994 |
| DILUTION FACTOR* | 1 / | | | | | | 07/19/1994 |
| Benzene | ND / | | 0.0025 | mg/kg | 8020 | | 07/19/1994 |
| Toluene | NID / | | 0.0025 | mg/kg | 8020 | | 07/19/1994 |
| Ethylbenzene | ND / | | 0.0025 | mg/kg | 8020 | | 07/19/1994 |
| Xylenes (Total) | NTO , | | 0.0025 | mg/kg | 8020 | | 07/19/1994 |
| SURROGATE RESULTS | | | | | | | 07/19/1994 |
| Bromofluorobenzene (SURR) | 95 | | | % Rec. | 5030 | | 07/19/1994 |
| METHOD M8015 (EXT., Solid) | i | | | | | 07/14/1994 | |
| DILUTION FACTOR* | 2 | | | | | | 07/20/1994 |
| as Diesel | ND | | 2 | mg/kg | 3550 | | 07/20/1994 |
| Carbon Range: | | | | | | | 07/20/1994 |



Date: 07/25/1994 ELAP Certificate: 1386

Page: 6

Ref: SHELL, 461 8th St., Oakland

SAMPLE DESCRIPTION: B2-20.0

Date Taken: 07/06/1994

Time Taken:

| NET Sample No: 199514 | | | | | | |
|----------------------------|-----------------|-----------|--------|--------|------------|------------|
| | | Reporting | 9 | | Date | Date |
| Parameter | Results Flags | Limit | Units | Method | Extracted | Analyzed |
| TPH (Gas/BTXE, Solid) | | | | | | |
| METHOD 5030/M8015 | | | | | | 07/20/1994 |
| DILUTION FACTOR* | 1 / | | | | | 07/20/1994 |
| as Gasoline | NTD / | 1 | mg/kg | 5030 | | 07/20/1994 |
| Carbon Range: | | | | | | 07/20/1994 |
| METHOD 8020 (GC, Solid) | | | | | | 07/20/1994 |
| DILUTION FACTOR* | 1 / | | | | | 07/20/1994 |
| Benzene | ND / | 0.0025 | mg/kg | 8020 | | 07/20/1994 |
| Toluene | 0.0028 LC | 0.0025 | mg/kg | 8020 | | 07/20/1994 |
| Ethylbenzene | ND (| 0.0025 | mg/kg | 8020 | | 07/20/1994 |
| Xylenes (Total) | 0.0030 | 0.0025 | mg/kg | 8020 | | 07/20/1994 |
| SURROGATE RESULTS | | | | | | 07/20/1994 |
| Bromofluorobenzene (SURR) | 93 | | % Rec. | 5030 | | 07/20/1994 |
| METHOD M8015 (EXT., Solid) | | | | | 07/14/1994 | |
| DILUTION FACTOR* | 2 <i>j</i> | | | | | 07/20/1994 |
| as Diesel | _{ND} [| 2 | mg/kg | 3550 | | 07/20/1994 |
| Carbon Range: | ** | | | | | 07/20/1994 |

 $^{{\}tt C}$: Positive result confirmed by secondary column or ${\tt GC/MS}$ analysis.



Date: 07/25/1994 ELAP Certificate: 1386

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Ref: SHELL, 461 8th St., Oakland

SAMPLE DESCRIPTION: B3-10.0

Date Taken: 07/06/1994

Time Taken:

NET Sample No: 199515

| MEL Samble No: 199212 | | | | | | | |
|----------------------------|---------|-------|----------|--------|--------|------------|------------|
| | | | Reportin | g | | Date | Date |
| Parameter | Results | Flags | Limit | Units | Method | Extracted | Analyzed |
| TPH (Gas/BTXE, Solid) | | | | | | | |
| METHOD 5030/M8015 | | i | | | | | 07/20/1994 |
| DILUTION FACTOR* | 1 | Į | | | | | 07/20/1994 |
| as Gasoline | ND | | 1 | mg/kg | 5030 | | 07/20/1994 |
| Carbon Range: | | | | | | | 07/20/1994 |
| METHOD 8020 (GC, Solid) | | | | | | | 07/20/1994 |
| DILUTION FACTOR* | 1 | | | | | | 07/20/1994 |
| Benzene | ND | | 0.0025 | mg/kg | 8020 | | 07/20/1994 |
| Toluene | ND | i | 0.0025 | mg/kg | 8020 | | 07/20/1994 |
| Ethylbenzene | ND | 1 | 0.0025 | mg/kg | 8020 | | 07/20/1994 |
| Xylenes (Total) | ND | ţ | 0.0025 | mg/kg | 8020 | | 07/20/1994 |
| SURROGATE RESULTS | | • | | | | | 07/20/1994 |
| Bromofluorobenzene (SURR) | 84 | | | ቼ Rec. | 5030 | | 07/20/1994 |
| METHOD M8015 (EXT., Solid) | | | | | | 07/14/1994 | |
| DILUTION FACTOR* | 2 / | | | | | | 07/20/1994 |
| as Diesel | 50 | DH | 2 | mg/kg | 3550 | | 07/20/1994 |
| Carbon Range: | C10-C28 | | | | | | 07/20/1994 |
| | Q10 C10 | | | | | | |

DH : The positive result appears to be a heavier hydrocarbon than Diesel.



Client Name: Enviros
NET Job No: 94.02912

Date: 07/25/1994 ELAP Certificate: 1386

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Ref: SHELL, 461 8th St., Oakland

SAMPLE DESCRIPTION: B3-15.0

Date Taken: 07/06/1994

Time Taken:

| MPI PEMPIS NO: 133314 | | | | | | |
|----------------------------|--------------|-----------|--------|--------|------------|------------|
| | | Reporting | g | | Date | Date |
| Parameter | Results Flag | s Limit | Units | Method | Extracted_ | Analyzed |
| TPH (Gas/BTXE, Solid) | | | | | | |
| METHOD 5030/M8015 | / | | | | | 07/19/1994 |
| DILUTION FACTOR* | 1 | | | | | 07/19/1994 |
| as Gasoline | NID (| 1 | mg/kg | 5030 | | 07/19/1994 |
| Carbon Range: | | | | | | 07/19/1994 |
| METHOD 8020 (GC, Solid) | | | | | | 07/19/1994 |
| DILUTION FACTOR* | 1 | | | | | 07/19/1994 |
| Benzene | ND | 0.0025 | mg/kg | 8020 | | 07/19/1994 |
| Toluene | ND | 0.0025 | mg/kg | 8020 | | 07/19/1994 |
| Ethylbenzene | ND ! | 0.0025 | mg/kg | 8020 | | 07/19/1994 |
| Xylenes (Total) | 0.025 | 0.0025 | mg/kg | 8020 | | 07/19/1994 |
| SURROGATE RESULTS | | | | | | 07/19/1994 |
| Bromofluorobenzene (SURR) | 101 | | % Rec. | 5030 | | 07/19/1994 |
| METHOD M8015 (EXT., Solid) | | | | | 07/14/1994 | |
| DILUTION FACTOR* | 2 1 | | | | | 07/20/1994 |
| as Diesel | 4.1 | 2 | mg/kg | 3550 | | 07/20/1994 |
| Carbon Range: | C10-C16 | | | | | 07/20/1994 |



Date: 07/25/1994 ELAP Certificate: 1386

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Ref: SHELL, 461 8th St., Oakland

SAMPLE DESCRIPTION: B4-5.0

Date Taken: 07/06/1994

Time Taken:

| | | _ | | Data | Date | |
|------------|--|--|---------------------|---|------------------------------------|--|
| | | - | = | | | |
| Results | Flags | Limit | Units | Method | Extracted | Analyzed |
| | | | | | | |
| | | | | | | 07/19/1994 |
| 1 / | | | | | | 07/19/1994 |
| ND (| | 1 | mg/kg | 5030 | | 07/19/1994 |
| - - | | | | | | 07/19/1994 |
| | | | | | | 07/19/1994 |
| 1 | | | | | | 07/19/1994 |
| ND / | | 0.0025 | mg/kg | 8020 | | 07/19/1994 |
| ND / | | 0.0025 | mg/kg | 8020 | | 07/19/1994 |
| ND / | | 0.0025 | mg/kg | 8020 | | 07/19/1994 |
| ND } | | 0.0025 | mg/kg | 8020 | | 07/19/1994 |
| | | | | | | 07/19/1994 |
| 87 | | | % Rec. | 5030 | | 07/19/1994 |
| | | | | | 07/14/1994 | |
| 2 1 | | | | | | 07/20/1994 |
| NID (| | 2 | mg/kg | 3550 | | 07/20/1994 |
| | | | J. J | | | 07/20/1994 |
| | 1 ND 1 ND ND ND ND ND | 1 ND 1 ND ND ND ND ND ND ND | Results Flags Limit | 1 mg/kg 1 mg/kg 1 mg/kg 1 mg/kg 1 nd 0.0025 mg/kg | Results Flags Limit Units Method | Results Flags Limit Units Method Extracted |



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Ref: SHELL, 461 8th St., Oakland

SAMPLE DESCRIPTION: B4-10.0

Date Taken: 07/06/1994

Time Taken:

NET Sample No: 199518

| _ = ==== | | Reportin | | Date | Date | |
|----------------------------|--------------------|----------|--------|--------|------------|------------|
| Parameter | Results Flag | s Limit | Units | Method | Extracted | Analyzed |
| TPH (Gas/BTXE, Solid) | | | | | | |
| METHOD 5030/M8015 | | | | | | 07/19/1994 |
| DILUTION FACTOR* | 1 / | | | | | 07/19/1994 |
| as Gasoline | 15 ¹ | 1 | mg/kg | 5030 | | 07/19/1994 |
| Carbon Range: | C5-C14 | | | | | 07/19/1994 |
| METHOD 8020 (GC, Solid) | | | | | | 07/19/1994 |
| DILUTION FACTOR* | 1 1 | | | | | 07/19/1994 |
| Benzene | NTD , | 0.0025 | mg/kg | 8020 | | 07/19/1994 |
| Toluene | 0.037 | 0.0025 | mg/kg | 8020 | | 07/19/1994 |
| Ethylbenzene | 0.027 (| 0.0025 | mg/kg | 8020 | | 07/19/1994 |
| Xylenes (Total) | 0.21 (| 0.0025 | mg/kg | 8020 | | 07/19/1994 |
| SURROGATE RESULTS | | | | | | 07/19/1994 |
| Bromofluorobenzene (SURR) | 111 | | % Rec. | 5030 | | 07/19/1994 |
| METHOD M8015 (EXT., Solid) | | | | | 07/14/1994 | |
| DILUTION FACTOR* | 2 j | | | | | 07/20/1994 |
| as Diesel | 13 ^I DL | 2 | mg/kg | 3550 | | 07/20/1994 |
| Carbon Range: | C8-C16 | | | | | 07/20/1994 |

 \mathtt{DL} : The positive result appears to be a lighter hydrocarbon than $\mathtt{Diesel}.$

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



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Ref: SHELL, 461 8th St., Oakland

SAMPLE DESCRIPTION: B9-5.0

Date Taken: 07/07/1994

Time Taken:

| | | Date | Date | | | |
|---------|--|--|---------------------|--------|------------------------------------|--|
| Results | Flags | Limit | Units | Method | Extracted | Analyzed |
| | | | | | | |
| / | | | | | | 07/19/1994 |
| 1 / | | | | | | 07/19/1994 |
| ND (| | 1 | mg/kg | 5030 | | 07/19/1994 |
| | | | | | | 07/19/1994 |
| | | | | | | 07/19/1994 |
| 1 | | | | | | 07/19/1994 |
| NTD j | | 0.0025 | mg/kg | 8020 | | 07/19/1994 |
| ND | | 0.0025 | mg/kg | 8020 | | 07/19/1994 |
| ND | | 0.0025 | mg/kg | 8020 | | 07/19/1994 |
| ND , | | 0.0025 | mg/kg | 8020 | | 07/19/1994 |
| | | | | | | 07/19/1994 |
| 86 | | | % Rec. | 5030 | | 07/19/1994 |
| 1 | | | | | 07/14/1994 | |
| 1 | | | | | | 07/20/1994 |
| ND | | 1 | mg/kg | 3550 | | 07/20/1994 |
| | | | | | | 07/20/1994 |
| | 1 ND | 1 ND | Results Flags Limit | 1 | Results Flags Limit Units Method | Results Flags Limit Units Method Extracted |



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Ref: SHELL, 461 8th St., Oakland

SAMPLE DESCRIPTION: B9-14.5

Date Taken: 07/07/1994

Time Taken:

| | | | Reporting | | | Date | Date |
|----------------------------|------------|-------|-----------|--------|--------|------------|------------|
| Parameter | Results Fl | Flags | Limit | Units | Method | Extracted | Analyzed |
| TPH (Gas/BTXE,Solid) | | | | | | | |
| METHOD 5030/M8015 | | / | | | | | 07/19/1994 |
| DILUTION FACTOR* | 1 | į | | | | | 07/19/1994 |
| as Gasoline | ND | | 1 | mg/kg | 5030 | | 07/19/1994 |
| Carbon Range: | | | | | | | 07/19/1994 |
| METHOD 8020 (GC, Solid) | | | | | | | 07/19/1994 |
| DILUTION FACTOR* | 1 | | | | | | 07/19/1994 |
| Benzene | ND | | 0.0025 | mg/kg | 8020 | | 07/19/1994 |
| Toluene | ND | | 0.0025 | mg/kg | 8020 | | 07/19/1994 |
| Ethylbenzene | ND | 1 | 0.0025 | mg/kg | 8020 | | 07/19/1994 |
| Xylenes (Total) | ND | | 0.0025 | mg/kg | 8020 | | 07/19/1994 |
| SURROGATE RESULTS | | 1 | | | | | 07/19/1994 |
| Bromofluorobenzene (SURR) | 88 | | | % Rec. | 5030 | | 07/19/1994 |
| METHOD M8015 (EXT., Solid) | | l | | | | 07/14/1994 | |
| DILUTION FACTOR* | 2 | | | | | | 07/20/1994 |
| as Diesel | ND | | 2 | mg/kg | 3550 | | 07/20/1994 |
| Carbon Range: | | | | | | | 07/20/1994 |



Client Acct: 1826

NET Job No: 94.02912

Date: 07/25/1994 ELAP Certificate: 1386

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Ref: SHELL, 461 8th St., Oakland

SAMPLE DESCRIPTION: B8-5.0

Date Taken: 07/07/1994

Time Taken:

| MEI Sample NO: 199521 | | | | | | | |
|----------------------------|-----------|-------|--------|-------------|--------|------------|------------|
| | Reporting | | | | | Date | Date |
| Parameter | Results | Flags | Limit | Units | Method | Extracted | Analyzed |
| TPH (Gas/BTXE, Solid) | | | | | | | |
| METHOD 5030/M8015 | i | | | | | | 07/19/1994 |
| DILUTION FACTOR* | ı / | | | | | | 07/19/1994 |
| as Gasoline | ND | | 1 | mg/kg | 5030 | | 07/19/1994 |
| Carbon Range: | | | | | | | 07/19/1994 |
| METHOD 8020 (GC, Solid) | | | | | | | 07/19/1994 |
| DILUTION FACTOR* | 1 | | | | | | 07/19/1994 |
| Benzene | ND | | 0.0025 | mg/kg | 8020 | | 07/19/1994 |
| Toluene | ND / | | 0.0025 | mg/kg | 8020 | | 07/19/1994 |
| Ethylbenzene | NTD | | 0.0025 | mg/kg | 8020 | | 07/19/1994 |
| Xylenes (Total) | NID ' | | 0.0025 | mg/kg | 8020 | | 07/19/1994 |
| SURROGATE RESULTS | | | | | | | 07/19/1994 |
| Bromofluorobenzene (SURR) | 71 | | | % Rec. | 5030 | | 07/19/1994 |
| METHOD M8015 (EXT., Solid) | | | | | | 07/14/1994 | |
| DILUTION FACTOR* | 2 | | | | | | 07/20/1994 |
| as Diesel | ND | | 2 | mg/kg | 3550 | | 07/20/1994 |
| Carbon Range: | | | | =: = | | | 07/20/1994 |



Date: 07/25/1994 ELAP Certificate: 1386

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Ref: SHELL, 461 8th St., Oakland

SAMPLE DESCRIPTION: B8-9.0

Date Taken: 07/07/1994

Time Taken:

| | | Reporting | | | Date | Date |
|----------------------------|---------------|-----------|--------|--------|------------|------------|
| Parameter | Results Flags | Limit | Units | Method | Extracted | Analyzed |
| TPH (Gas/BTXE, Solid) | | | | | | |
| METHOD 5030/M8015 | | | | | | 07/20/1994 |
| DILUTION FACTOR* | 1 | | | | | 07/20/1994 |
| as Gasoline | ND | 1 | mg/kg | 5030 | | 07/20/1994 |
| Carbon Range: | | | | | | 07/20/1994 |
| METHOD 8020 (GC, Solid) | | | | | | 07/20/1994 |
| DILUTION FACTOR* | 1 | | | | | 07/20/1994 |
| Benzene | ND | 0.0025 | mg/kg | 8020 | | 07/20/1994 |
| Toluene | ND | 0.0025 | mg/kg | 8020 | | 07/20/1994 |
| Ethylbenzene | ND | 0.0025 | mg/kg | 8020 | | 07/20/1994 |
| Xylenes (Total) | ND | 0.0025 | mg/kg | 8020 | | 07/20/1994 |
| SURROGATE RESULTS | | | | | | 07/20/1994 |
| Bromofluorobenzene (SURR) | 88 | | % Rec. | 5030 | | 07/20/1994 |
| METHOD M8015 (EXT., Solid) | | | | | 07/14/1994 | |
| DILUTION FACTOR* | 4 | | | | | 07/20/1994 |
| as Diesel | ND | 4 | mg/kg | 3550 | | 07/20/1994 |
| Carbon Range: | | | | | | 07/20/1994 |



Date: 07/25/1994 ELAP Certificate: 1386

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Ref: SHELL, 461 8th St., Oakland

SAMPLE DESCRIPTION: B7-5.0

Date Taken: 07/07/1994

Time Taken:

NET Sample No: 199523

| | | | Reporting | | | Date | Date |
|----------------------------|----------|-------|-----------|--------|--------|------------|------------|
| Parameter | Results | Flags | Limit | Units | Method | Extracted | Analyzed |
| TPH (Gas/BTXE, Solid) | | | | | | | |
| METHOD 5030/M8015 | <i>j</i> | | | | | | 07/20/1994 |
| DILUTION FACTOR* | 1 | | | | | | 07/20/1994 |
| as Gasoline | ND | | 1 | mg/kg | 5030 | • | 07/20/1994 |
| Carbon Range: | | | | | | | 07/20/1994 |
| METHOD 8020 (GC, Solid) | | | | | | | 07/20/1994 |
| DILUTION FACTOR* | 1 , | | | | | | 07/20/1994 |
| Benzene | NTD / | | 0.0025 | mg/kg | 8020 | | 07/20/1994 |
| Toluene | ND / | | 0.0025 | mg/kg | 8020 | | 07/20/1994 |
| Ethylbenzene | NTD ↓ | | 0.0025 | mg/kg | 8020 | | 07/20/1994 |
| Xylenes (Total) | ND | | 0.0025 | mg/kg | 8020 | | 07/20/1994 |
| SURROGATE RESULTS | | | | | | | 07/20/1994 |
| Bromofluorobenzene (SURR) | 83 | | | % Rec. | 5030 | | 07/20/1994 |
| METHOD M8015 (EXT., Solid) | | | | | | 07/14/1994 | |
| DILUTION FACTOR* | 2 / | | | | | | 07/20/1994 |
| as Diesel | 31 (| DH | 2 | mg/kg | 3550 | | 07/20/1994 |
| Carbon Range: | C14-C28 | | | | | | 07/20/1994 |

DH : The positive result appears to be a heavier hydrocarbon than Diesel.



NET Job No: 94.02912

Date: 07/25/1994 ELAP Certificate: 1386

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Ref: SHELL, 461 8th St., Oakland

SAMPLE DESCRIPTION: B7-10.0

Date Taken: 07/07/1994

Time Taken:

NET Sample No: 199524

| NET Sample NO: 133524 | | | Date | Date | | | |
|----------------------------|---------|-------|--------|--------|--------|------------|------------|
| arameter | Results | Flags | Limit | Units | Method | Extracted | Analyzed |
| PH (Gas/BTXE, Solid) | | | | | | | |
| METHOD 5030/M8015 | | | | | | | 07/20/1994 |
| DILUTION FACTOR* | 1 / | | | | | | 07/20/1994 |
| as Gasoline | 14 | | 1 | mg/kg | 5030 | | 07/20/1994 |
| arbon Range: | C5-C14 | | | | | | 07/20/1994 |
| METHOD 8020 (GC,Solid) | | | | | | | 07/20/1994 |
| DILUTION FACTOR* | 1 , | | | | | | 07/20/1994 |
| Benzene | 0.24 | FC | 0.0025 | mg/kg | 8020 | | 07/20/1994 |
| Toluene | 0.89 🖟 | FC | 0.0025 | mg/kg | 8020 | | 07/20/1994 |
| Ethylbenzene | 0.31 | FC | 0.0025 | mg/kg | 8020 | | 07/20/1994 |
| Xylenes (Total) | 2.0 | FC | 0.0025 | mg/kg | 8020 | | 07/20/1994 |
| SURROGATE RESULTS | | | | | | | 07/20/1994 |
| Bromofluorobenzene (SURR) | 208 | MI | | % Rec. | 5030 | | 07/20/1994 |
| METHOD M8015 (EXT., Solid) | | | | | | 07/14/1994 | |
| DILUTION FACTOR* | 20 / | | | | | | 07/20/1994 |
| as Diesel | 410 | DL | 20 | mg/kg | 3550 | | 07/20/1994 |
| Carbon Range: | C8-C16 | | | | | | 07/20/1994 |

 ${\tt DL}$: The positive result appears to be a lighter hydrocarbon than ${\tt Diesel.}$

FC : Compound quantitated at a 10% dilution factor.

MI : Matrix Interference Suspected

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



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Ref: SHELL, 461 8th St., Oakland

SAMPLE DESCRIPTION: B6-5.0

Date Taken: 07/07/1994

Time Taken:

| | | | | | | | Daha | |
|------|---|-------|---|------------------------|--|--|--|--|
| | | | Reporting | j. | | Date | Date | |
| Resu | lts | Flags | Limit | Units | Method | Extracted | Analyzed | |
| | | | | | | | | |
| | | | | | | | 07/20/1994 | |
| 1 | 1 | | | | | | 07/20/1994 | |
| NTD | ı | | 1 | mg/kg | 5030 | | 07/20/1994 | |
| | | | | | | | 07/20/1994 | |
| | | | | | | | 07/20/1994 | |
| 1 | | | | | | | 07/20/1994 | |
| ND | | | 0.0025 | mg/kg | 8020 | | 07/20/1994 | |
| ND | | | 0.0025 | mg/kg | 8020 | | 07/20/1994 | |
| ND | | | 0.0025 | mg/kg | 8020 | | 07/20/1994 | |
| ND | | | 0.0025 | mg/kg | 8020 | | 07/20/1994 | |
| | ţ | | | | | | 07/20/1994 | |
| 91 | | | | % Rec. | 5030 | | 07/20/1994 | |
| | ; | | | | | 07/14/1994 | | |
| 2 | Ì | Ì | | | | | 07/20/1994 | |
| ND | | • | 2 | mg/kg | 3550 | | 07/20/1994 | |
| | | | | | | | 07/20/1994 | |
| | 1 ND 1 ND ND ND ND ND 2 ND | 1 ND | 1 ND 1 ND | Results Flags Limit 1 | 1 mg/kg mg | Results Flags Limit Units Method | Results Flags Limit Units Method Extracted | |



Date: 07/25/1994 ELAP Certificate: 1386

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Ref: SHELL, 461 8th St., Oakland

SAMPLE DESCRIPTION: B6-18.5

Date Taken: 07/07/1994

Time Taken:

| MAI CAMPIA NO. 133326 | | | | Dana | | | |
|----------------------------|---------|-------|-----------|---------|--------|------------|------------|
| | | | Reporting | 3 | | Date | Date |
| Parameter | Results | Flags | Limit | Units _ | Method | Extracted | Analyzed |
| TPH (Gas/BTXE,Solid) | - 1 | | | | | | |
| METHOD 5030/M8015 | [| | | | • | | 07/20/1994 |
| DILUTION FACTOR* | 1 ' | | | | | | 07/20/1994 |
| as Gasoline | ND | | 1 | mg/kg | 5030 | | 07/20/1994 |
| Carbon Range: | | | | | | | 07/20/1994 |
| METHOD 8020 (GC, Solid) | | | | | | | 07/20/1994 |
| DILUTION FACTOR* | 1 | | | | | | 07/20/1994 |
| Benzene | ND / | | 0.0025 | mg/kg | 8020 | | 07/20/1994 |
| Toluene | ND | | 0.0025 | mg/kg | 8020 | | 07/20/1994 |
| Ethylbenzene | ND | | 0.0025 | mg/kg | 8020 | | 07/20/1994 |
| Xylenes (Total) | ND | | 0.0025 | mg/kg | 8020 | | 07/20/1994 |
| SURROGATE RESULTS | | | | | | | 07/20/1994 |
| Bromofluorobenzene (SURR) | 97 | | | % Rec. | 5030 | | 07/20/1994 |
| METHOD M8015 (EXT., Solid) | i | | | | | 07/14/1994 | |
| DILUTION FACTOR* | 2 | | | | | | 07/20/1994 |
| as Diesel | ND | | 2 | mg/kg | 3550 | | 07/20/1994 |
| Carbon Range: | | | | | | | 07/20/1994 |



Date: 07/25/1994 ELAP Certificate: 1386

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Ref: SHELL, 461 8th St., Oakland

SAMPLE DESCRIPTION: B5-5.0

Date Taken: 07/07/1994

Time Taken:

| NET Sample NO: 19952/ | | Reporting | | | Date | Date |
|----------------------------|----------------|-----------|--------|----------|------------|------------|
| Parameter | Results /Flags | Limit | Units | Method | Extracted | Analyzed |
| Oil & Grease (Total) | 68 1 | 50 | mg/kg | 5520E | | 07/16/1994 |
| Oil & Grease (Non-Polar) | (54) | 50 | mg/kg | 5520E/F | | 07/16/1994 |
| ICP METALS SOLID | <u> </u> | 30 | | , | | 07/15/1994 |
| Cadmium (ICP) | ND (| 2.0 | mg/kg | EPA 6010 | 07/15/1994 | 07/15/1994 |
| Chromium (ICP) | 34 | 2.0 | mg/kg | EPA 6010 | 07/15/1994 | 07/15/1994 |
| Lead (GFAA) | 4.0 | 0.2 | mg/kg | EPA 7421 | 07/14/1994 | 07/18/1994 |
| Nickel (ICP) | 18 / | 5.0 | mg/kg | EPA 6010 | 07/15/1994 | 07/15/1994 |
| Zinc (ICP) | 140 | 5.0 | mg/kg | EPA 6010 | 07/15/1994 | 07/15/1994 |
| TPH (Gas/BTXE, Solid) | | | | | | |
| METHOD 5030/M8015 | | | | | | 07/20/1994 |
| DILUTION FACTOR* | 1 / | | | | | 07/20/1994 |
| as Gasoline | ND J | 1 | mg/kg | 5030 | | 07/20/1994 |
| Carbon Range: | | _ | J,J | | | 07/20/1994 |
| METHOD 8020 (GC, Solid) | •• | | | | | 07/20/1994 |
| DILUTION FACTOR* | 1 ; | | | | | 07/20/1994 |
| Benzene | ND | 0.0025 | mg/kg | 8020 | | 07/20/1994 |
| Toluene | ND | 0.0025 | mg/kg | 8020 | | 07/20/1994 |
| Ethylbenzene | ND | 0.0025 | mg/kg | 8020 | | 07/20/1994 |
| Xylenes (Total) | ND / | 0.0025 | mg/kg | 8020 | | 07/20/1994 |
| SURROGATE RESULTS | | *** | | | | 07/20/1994 |
| Bromofluorobenzene (SURR) | 72 | | % Rec. | 5030 | | 07/20/1994 |
| METHOD M8015 (EXT., Solid) | | | | | 07/14/1994 | |
| DILUTION FACTOR* | 2 / | | | | | 07/20/1994 |
| as Diesel | ND (| 2 | mo;/kg | 3550 | | 07/20/1994 |
| as Diesel Carbon Range: | #n . | 4 | "My 75 | 3300 | | 07/20/1994 |
| = | | | | | | |



Date: 07/25/1994 ELAP Certificate: 1386

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Ref: SHELL, 461 8th St., Oakland

SAMPLE DESCRIPTION: B5-5.0

Date Taken: 07/07/1994

Time Taken:

| NEI Sample NO: 199527 | | | | | | _ | |
|----------------------------|----------------|-------|----------|--------|--------|-----------|------------|
| | | | Reportin | ~ | | Date | Date |
| Parameter | Results | Flags | Limit | Units | Method | Extracted | Analyzed |
| METHOD 8010 (GC, Solid) | | | | | | | |
| DILUTION FACTOR* | 1 | | | | | | 07/12/1994 |
| Bromodichloromethane | ND | | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| Bromoform | ND | | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| Bromomethane | ND | | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| Carbon tetrachloride | NĎ | | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| Chlorobenzene | ND | | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| Chloroethane | ND | | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| 2-Chloroethylvinyl ether | ND | | 0.005 | mg/kg | 8010 | | 07/12/1994 |
| Chloroform | ND | | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| Chloromethane | ND | | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| Dibromochloromethane | ND | | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| 1,2-Dichlorobenzene | ND | | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| 1,3-Dichlorobenzene | ND | | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| 1,4-Dichlorobenzene | ND | | 0,002 | mg/kg | 8010 | | 07/12/1994 |
| Dichlorodifluoromethane | ND | | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| 1,1-Dichloroethane | ND | | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| 1,2-Dichloroethane | ND | | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| 1,1-Dichloroethene | ND | | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| trans-1,2-Dichloroethene | ND | | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| 1,2-Dichloropropane | ND | | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| cis-1,3-Dichloropropene | ND | | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| trans-1,3-Dichloropropene | ND | | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| Methylene chloride | ND | | 0.050 | mg/kg | 8010 | | 07/12/1994 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| Tetrachloroethene | ND | | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| 1,1,1-Trichloroethane | ND | | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| 1,1,2-Trichloroethane | ND | | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| Trichloroethene | ND | | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| Trichlorofluoromethane | ND | | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| Vinyl chloride | ND | | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| SURROGATE RESULTS | | | | | | | 07/12/1994 |
| 1,4-Difluorobenzene (SURR) | 68 | | | % Rec. | • | • | 07/12/1994 |
| 1,4-Dichlorobutane (SURR) | 74 | | | % Rec. | | | 07/12/1994 |
| | - - | | | | | | |



Date: 07/25/1994 ELAP Certificate: 1386

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Ref: SHELL, 461 8th St., Oakland

SAMPLE DESCRIPTION: 85-9.75

Date Taken: 07/07/1994

Time Taken:

| - | | Reporting | ı | | Date | Date |
|----------------------------|-------------------------|-----------|--------|----------|------------|------------|
| Parameter | Results Flags | Limit | Units | Method | Extracted | Analyzed |
| Oil & Grease (Total) | 58 | 50 | mg/kg | 5520E | | 07/16/1994 |
| Oil & Grease (Non-Polar) | $_{ m ND}$ \checkmark | 50 | mg/kg | 5520E/F | | 07/16/1994 |
| ICP METALS SOLID | | | | | | 07/15/1994 |
| Cadmium (ICP) | ND | 2.0 | mg/kg | EPA 6010 | 07/15/1994 | 07/15/1994 |
| Chromium (ICP) | 51 . | 2.0 | mg/kg | EPA 6010 | 07/15/1994 | 07/15/1994 |
| Lead (GFAA) | 4.6 | 0.2 | mg/kg | EPA 7421 | 07/14/1994 | 07/18/1994 |
| Nickel (ICP) | 35 | 5.0 | mg/kg | EPA 6010 | 07/15/1994 | 07/15/1994 |
| Zinc (ICP) | 980 | 5.0 | mg/kg | EPA 6010 | 07/15/1994 | 07/15/1994 |
| TPH (Gas/BTXE, Solid) | | | | | | |
| METHOD 5030/M8015 | | | | | | 07/20/1994 |
| DILUTION FACTOR* | 1 / | | | | | 07/20/1994 |
| as Gasoline | ND | 1 | mg/kg | 5030 | | 07/20/1994 |
| Carbon Range: | | | | | | 07/20/1994 |
| METHOD 8020 (GC, Solid) | | | | | | 07/20/1994 |
| DILUTION FACTOR* | 1 | | | | | 07/20/1994 |
| Benzene | NTD / | 0.0025 | mg/kg | 8020 | | 07/20/1994 |
| Toluene | ND / | 0.0025 | mg/kg | 8020 | | 07/20/1994 |
| Ethylbenzene | NTD ∫ | 0.0025 | mg/kg | 8020 | | 07/20/1994 |
| Xylenes (Total) | ND | 0.0025 | mg/kg | 8020 | | 07/20/1994 |
| SURROGATE RESULTS | | | | | | 07/20/1994 |
| Bromofluorobenzene (SURR) | 82 | | % Rec. | 5030 | | 07/20/1994 |
| METHOD M8015 (EXT., Solid) | *** | | | | 07/14/1994 | |
| DILUTION FACTOR* | 2 | | | | | 07/20/1994 |
| as Diesel | ND | 2 | mg/kg | 3550 | | 07/20/1994 |
| Carbon Range: | | | | | | 07/20/1994 |



Date: 07/25/1994 ELAP Certificate: 1386

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Ref: SHELL, 461 8th St., Oakland

SAMPLE DESCRIPTION: B5-9.75

Date Taken: 07/07/1994

Time Taken:

| | ****** | | Reportin | g | | Date | Date |
|--|----------------------------|---------------|----------|--------|--------|-----------|------------|
| DILUTION FACTOR* 1 | Parameter | Results Flags | Limit | Units | Method | Extracted | Analyzed |
| ### Bromodichloromethane ND 0.002 mg/kg 8010 07/12/1994 ### Bromoform ND 0.002 mg/kg 8010 07/12/1994 ### Bromomethane ND 0.002 mg/kg 8010 07/12/1994 ### Bromomethane ND 0.002 mg/kg 8010 07/12/1994 ### Carbon tetrachloride ND 0.002 mg/kg 8010 07/12/1994 ### Chlorobenzene ND 0.002 mg/kg 8010 07/12/1994 ### Chlorothane ND 0.002 mg/kg 8010 07/12/1994 ### Chlorothylvinyl ether ND 0.002 mg/kg 8010 07/12/1994 ### Chlorothylvinyl ether ND 0.002 mg/kg 8010 07/12/1994 ### Chlorothoromethane ND 0.002 mg/kg 8010 07/12/1994 ### Chlorothoromethane ND 0.002 mg/kg 8010 07/12/1994 ### Chlorothoromethane ND 0.002 mg/kg 8010 07/12/1994 ### L,2-Dichlorobenzene ND 0.002 mg/kg 8010 07/12/1994 ### L,2-Dichlorobenzene ND 0.002 mg/kg 8010 07/12/1994 ### L,2-Dichlorothane ND 0.002 mg/kg 8010 07/12/1994 ### L,1-Dichlorothane ND 0.002 mg/kg 8010 07/12/1994 ### L,1-Dichlorothane ND 0.002 mg/kg 8010 07/12/1994 ### L,2-Dichlorothane ND 0.002 mg/kg 8010 07/12/1994 ### Lrans-1,3-Dichlorothane ND 0.002 mg/kg 8010 07/12/1994 ## | METHOD 8010 (GC, Solid) | | | | | | |
| ### Brommoform ND 0.002 mg/kg 8010 07/12/1994 ### Bromomethane ND 0.002 mg/kg 8010 07/12/1994 ### Bromomethane ND 0.002 mg/kg 8010 07/12/1994 ### Carbon tetrachloride ND 0.002 mg/kg 8010 07/12/1994 ### Chloroethane ND 0.002 mg/kg 8010 07/12/1994 ### Chloroethane ND 0.002 mg/kg 8010 07/12/1994 ### 2-Chloroethylvinyl ether ND 0.005 mg/kg 8010 07/12/1994 ### Chloroform ND 0.002 mg/kg 8010 07/12/1994 ### Chloromethane ND 0.002 mg/kg 8010 07/12/1994 ### Chloromethane ND 0.002 mg/kg 8010 07/12/1994 ### Dibromochloromethane ND 0.002 mg/kg 8010 07/12/1994 ### 1,2-Dichlorobenzene ND 0.002 mg/kg 8010 07/12/1994 ### 1,3-Dichloromethane ND 0.002 mg/kg 8010 07/12/1994 ### 1,1-Dichloromethane ND 0.002 mg/kg 8010 07/12/1994 ### 1,1-Dichloroethane ND 0.002 mg/kg 8010 07/12/1994 ### 1,1-Dichloroethane ND 0.002 mg/kg 8010 07/12/1994 ### 1,2-Dichloroethane ND 0.002 mg/kg 8010 07/12/1994 ### 1,2-Dichloropropane ND 0.002 mg/kg 8010 07/12/1994 ### 1,2-Dichloropropane ND 0.002 mg/kg 8010 07/12/1994 ### 1,2-Dichloropropane ND 0.002 mg/kg 8010 07/12/1994 ### 1,1-Trichloroethane | DILUTION FACTOR* | 1 | | | | | 07/12/1994 |
| Bromomethane | Bromodichloromethane | ND | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| Carbon tetrachloride ND 0.002 mg/kg 8010 07/12/1994 Chloroethane ND 0.002 mg/kg 8010 07/12/1994 Chloroethane ND 0.002 mg/kg 8010 07/12/1994 2-Chloroethylvinyl ether ND 0.005 mg/kg 8010 07/12/1994 Chloroethane ND 0.002 mg/kg 8010 07/12/1994 Chloromethane ND 0.002 mg/kg 8010 07/12/1994 Chloromethane ND 0.002 mg/kg 8010 07/12/1994 Chloromethane ND 0.002 mg/kg 8010 07/12/1994 1,2-Dichlorobenzene ND 0.002 mg/kg 8010 07/12/1994 1,3-Dichlorobenzene ND 0.002 mg/kg 8010 07/12/1994 1,4-Dichlorobenzene ND 0.002 mg/kg 8010 07/12/1994 1,4-Dichlorobenzene ND 0.002 mg/kg 8010 07/12/1994 1,1-Dichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,2-Dichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,2-Dichloropropane ND 0.002 mg/kg 8010 07/12/1994 1,2-Tichloropropane ND 0.002 mg/kg 8010 07/12/1994 1,2-Tetrachloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,1-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,1-Trichloroethan | Bromoform | ND | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| Chlorobenzene ND 0.002 mg/kg 8010 07/12/1994 2-Chloroethylvinyl ether ND 0.005 mg/kg 8010 07/12/1994 2-Chloroethylvinyl ether ND 0.005 mg/kg 8010 07/12/1994 Chloromethane ND 0.002 mg/kg 8010 07/12/1994 Chloromethane ND 0.002 mg/kg 8010 07/12/1994 Dibromochloromethane ND 0.002 mg/kg 8010 07/12/1994 1,2-Dichlorobenzene ND 0.002 mg/kg 8010 07/12/1994 1,3-Dichlorobenzene ND 0.002 mg/kg 8010 07/12/1994 1,3-Dichlorobenzene ND 0.002 mg/kg 8010 07/12/1994 1,4-Dichlorobenzene ND 0.002 mg/kg 8010 07/12/1994 Dichlorodifluoromethane ND 0.002 mg/kg 8010 07/12/1994 1,1-Dichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,2-Dichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1-Dichloroethene ND 0.002 mg/kg 8010 07/12/1994 1,1-Dichloroethene ND 0.002 mg/kg 8010 07/12/1994 1,1-Dichloropropane ND 0.002 mg/kg 8010 07/12/1994 1,2-Dichloropropane ND 0.002 mg/kg 8010 07/12/1994 1,2-Dichloropropane ND 0.002 mg/kg 8010 07/12/1994 1,2-Dichloropropane ND 0.002 mg/kg 8010 07/12/1994 1,1-1-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,2-Tetrachloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,1-Trichloroethane ND 0.002 mg/kg | Bromomethane | NĎ | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| Chloroethane ND 0.002 mg/kg 8010 07/12/1994 2-Chloroethylvinyl ether ND 0.005 mg/kg 8010 07/12/1994 Chloroform ND 0.002 mg/kg 8010 07/12/1994 Chloromethane ND 0.002 mg/kg 8010 07/12/1994 Dibromochloromethane ND 0.002 mg/kg 8010 07/12/1994 1,2-Dichlorobenzene ND 0.002 mg/kg 8010 07/12/1994 1,3-Dichlorobenzene ND 0.002 mg/kg 8010 07/12/1994 1,4-Dichlorobenzene ND 0.002 mg/kg 8010 07/12/1994 1,4-Dichlorobenzene ND 0.002 mg/kg 8010 07/12/1994 1,1-Dichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1-Dichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,2-Dichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,2-Dichloroethene ND 0.002 mg/kg 8010 07/12/1994 1,2-Dichloropropene ND 0.002 mg/kg 8010 07/12/1994 1,2-Tetrachloropropene ND 0.002 mg/kg 8010 07/12/1994 1,1,2-Tetrachloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,1-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,2-Tetrachloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,1-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,1-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,2-Tetrachloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,1-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,2-Tetrachloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,2-Tetrachloroetha | Carbon tetrachloride | ND | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| 2-Chloroethylvinyl ether ND 0.005 mg/kg 8010 07/12/1994 Chloroform ND 0.002 mg/kg 8010 07/12/1994 Chloromethane ND 0.002 mg/kg 8010 07/12/1994 Dibromochloromethane ND 0.002 mg/kg 8010 07/12/1994 1,2-Dichlorobenzene ND 0.002 mg/kg 8010 07/12/1994 1,3-Dichlorobenzene ND 0.002 mg/kg 8010 07/12/1994 1,4-Dichlorobenzene ND 0.002 mg/kg 8010 07/12/1994 1,4-Dichlorobenzene ND 0.002 mg/kg 8010 07/12/1994 1,4-Dichlorobenzene ND 0.002 mg/kg 8010 07/12/1994 1,1-Dichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,2-Dichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,2-Dichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1-Dichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1-Dichloroethene ND 0.002 mg/kg 8010 07/12/1994 1,2-Dichloropethane ND 0.002 mg/kg 8010 07/12/1994 1,1,2-Tetrachloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,2,2-Tetrachloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,2,2-Tetrachloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,2-Tichloroethane ND 0.002 mg/kg 8010 | Chlorobenzene | ND | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| Chloroform ND 0.002 mg/kg 8010 07/12/1994 Dibromochloromethane ND 0.002 mg/kg 8010 07/12/1994 1,2-Dichlorobenzene ND 0.002 mg/kg 8010 07/12/1994 1,3-Dichlorobenzene ND 0.002 mg/kg 8010 07/12/1994 1,4-Dichlorobenzene ND 0.002 mg/kg 8010 07/12/1994 1,4-Dichlorodifluoromethane ND 0.002 mg/kg 8010 07/12/1994 1,1-Dichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1-Dichloroethene ND 0.002 mg/kg 8010 07/12/1994 1,1-Dichloropropane ND 0.002 mg/kg 8010 07/12/1994 1,2-Dichloropropane ND 0.002 mg/kg 8010 07/12/1994 1,1-T-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,2,2-Tetrachloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,2,2-Tetrachloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,1-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,1-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,2-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,2-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,1-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,2-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,1-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,2-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 | Chloroethane | ND | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| Chloromethane ND 0.002 mg/kg 8010 07/12/1994 1,2-Dichlorobenzene ND 0.002 mg/kg 8010 07/12/1994 1,3-Dichlorobenzene ND 0.002 mg/kg 8010 07/12/1994 1,4-Dichlorobenzene ND 0.002 mg/kg 8010 07/12/1994 1,4-Dichlorobenzene ND 0.002 mg/kg 8010 07/12/1994 1,1-Dichlorobenzene ND 0.002 mg/kg 8010 07/12/1994 1,1-Dichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1-Dichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,2-Dichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,2-Dichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1-Dichloroethene ND 0.002 mg/kg 8010 07/12/1994 1,2-Dichloroethene ND 0.002 mg/kg 8010 07/12/1994 1,2-Dichloropropane ND 0.002 mg/kg 8010 07/12/1994 1,2-Dichloropropene ND 0.002 mg/kg 8010 07/12/1994 1,1-3-Dichloropropene ND 0.002 mg/kg 8010 07/12/1994 Methylene chloride ND 0.002 mg/kg 8010 07/12/1994 1,1,2-Tetrachloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,2-Tetrachloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,2-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,1-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,2-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,1-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,2-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,2-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 | 2-Chloroethylvinyl ether | NĎ | 0.005 | mg/kg | 8010 | | 07/12/1994 |
| Dibromochloromethane ND Dibrom | Chloroform | ND | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| 1,2-Dichlorobenzene ND 0.002 mg/kg 8010 07/12/1994 1,3-Dichlorobenzene ND 0.002 mg/kg 8010 07/12/1994 1,4-Dichlorobenzene ND 0.002 mg/kg 8010 07/12/1994 1,4-Dichlorobenzene ND 0.002 mg/kg 8010 07/12/1994 1,1-Dichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1-Dichloroethene ND 0.002 mg/kg 8010 07/12/1994 1,2-Dichloroptopane ND 0.002 mg/kg 8010 07/12/1994 1,2-Dichloropropane ND 0.002 mg/kg 8010 07/12/1994 cis-1,3-Dichloropropene ND 0.002 mg/kg 8010 07/12/1994 trans-1,3-Dichloropropene ND 0.002 mg/kg 8010 07/12/1994 trans-1,3-Dichloropropene ND 0.002 mg/kg 8010 07/12/1994 trans-1,3-Dichloropropene ND 0.002 mg/kg 8010 07/12/1994 1,1,2,2-Tetrachloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,2-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,1-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,1-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,2-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 | Chloromethane | ND | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| 1,3-Dichlorobenzene ND 0.002 mg/kg 8010 07/12/1994 1,4-Dichlorobenzene ND 0.002 mg/kg 8010 07/12/1994 Dichlorodifluoromethane ND 0.002 mg/kg 8010 07/12/1994 1,1-Dichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,2-Dichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1-Dichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1-Dichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,2-Dichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,2-Dichloropropane ND 0.002 mg/kg 8010 07/12/1994 1,2-Dichloropropane ND 0.002 mg/kg 8010 07/12/1994 1,2-Dichloropropane ND 0.002 mg/kg 8010 07/12/1994 1,2-Dichloropropene ND 0.002 mg/kg 8010 07/12/1994 1,2-Dichloropropene ND 0.002 mg/kg 8010 07/12/1994 1,1,2-Tichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,2-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,1-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,1-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,2-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,2-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,2-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 | Dibromochloromethane | ND | 0.002 | mg/kg | B010 | | 07/12/1994 |
| 1,3-Dichlorobenzene ND 0.002 mg/kg 8010 07/12/1994 1,4-Dichlorobenzene ND 0.002 mg/kg 8010 07/12/1994 Dichlorodifluoromethane ND 0.002 mg/kg 8010 07/12/1994 1,1-Dichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,2-Dichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1-Dichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1-Dichloroethene ND 0.002 mg/kg 8010 07/12/1994 1,2-Dichloropropane ND 0.002 mg/kg 8010 07/12/1994 1,2-Dichloropropane ND 0.002 mg/kg 8010 07/12/1994 cis-1,3-Dichloropropane ND 0.002 mg/kg 8010 07/12/1994 trans-1,3-Dichloropropene ND 0.002 mg/kg 8010 07/12/1994 trans-1,3-Dichloropropene ND 0.002 mg/kg 8010 07/12/1994 Methylene chloride ND 0.002 mg/kg 8010 07/12/1994 1,1,2,2-Tetrachloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,2-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,1-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,2-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 | 1,2-Dichlorobenzene | NO | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| Dichlorodifluoromethane ND 0.002 mg/kg 8010 07/12/1994 1,1-Dichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,2-Dichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1-Dichloroethane ND 0.002 mg/kg 8010 07/12/1994 trans-1,2-Dichloroethene ND 0.002 mg/kg 8010 07/12/1994 trans-1,3-Dichloropropane ND 0.002 mg/kg 8010 07/12/1994 cis-1,3-Dichloropropene ND 0.002 mg/kg 8010 07/12/1994 trans-1,3-Dichloropropene ND 0.002 mg/kg 8010 07/12/1994 Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,2-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,1-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,2-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 Trichloroethene ND 0.002 mg/kg 8010 07/12/1994 | | ND | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| 1,1-Dichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,2-Dichloroethane ND 0.002 mg/kg 8010 07/12/1994 trans-1,2-Dichloroethene ND 0.002 mg/kg 8010 07/12/1994 1,2-Dichloropropane ND 0.002 mg/kg 8010 07/12/1994 cis-1,3-Dichloropropane ND 0.002 mg/kg 8010 07/12/1994 trans-1,3-Dichloropropene ND 0.002 mg/kg 8010 07/12/1994 1,1,2-Tetrachloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,2-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,1-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,2-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 Trichloroethene ND 0.002 mg/kg 8010 07/12/1994 Trichloroethene ND 0.002 mg/kg 8010 07/12/1994 Trichloroethene ND 0.002 mg/kg 8010 07/12/1994 Vinyl chloride ND 0.002 mg/kg 8010 07/12/1994 Vinyl chloride ND 0.002 mg/kg 8010 07/12/1994 Vinyl chloride ND 0.002 mg/kg 8010 07/12/1994 Unyl chloride ND 0.002 mg/kg 8010 07/12/1994 Unyl chloride ND 0.002 mg/kg 8010 07/12/1994 Vinyl chloride ND 0.002 mg/kg 8010 07/12/1994 Vinyl chloride ND 0.002 mg/kg 8010 07/12/1994 Unyl chloride ND 0.002 mg/kg 8010 07/12/1994 Unyl chloride ND 0.002 mg/kg 8010 07/12/1994 | 1,4-Dichlorobenzene | ND | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| 1,2-Dichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1-Dichloroethene ND 0.002 mg/kg 8010 07/12/1994 trans-1,2-Dichloroethene ND 0.002 mg/kg 8010 07/12/1994 1,2-Dichloropropane ND 0.002 mg/kg 8010 07/12/1994 cis-1,3-Dichloropropene ND 0.002 mg/kg 8010 07/12/1994 trans-1,3-Dichloropropene ND 0.002 mg/kg 8010 07/12/1994 Methylene chloride ND 0.050 mg/kg 8010 07/12/1994 1,1,2,2-Tetrachloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,1-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,2-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 Trichlorofluoromethane ND 0.002 mg/kg 8010 07/12/1994 Vinyl chloride ND 0.002 mg/kg | Dichlorodifluoromethane | ND | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| 1,1-Dichloroethane ND 0.002 mg/kg 8010 07/12/1994 trans-1,2-Dichloroethene ND 0.002 mg/kg 8010 07/12/1994 1,2-Dichloropropane ND 0.002 mg/kg 8010 07/12/1994 cis-1,3-Dichloropropene ND 0.002 mg/kg 8010 07/12/1994 trans-1,3-Dichloropropene ND 0.002 mg/kg 8010 07/12/1994 Methylene chloride ND 0.050 mg/kg 8010 07/12/1994 1,1,2-Tetrachloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,1-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,2-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 Trichloroethene ND 0.002 mg/kg 8010 07/12/1994 Trichlorofluoromethane ND 0.002 mg/kg 8010 07/12/1994 Vinyl chloride ND 0.002 mg/kg 8010 07/12/1994 SURROGATE RESULTS 07/12/1994 | 1,1-Dichloroethane | ND | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| trans-1,2-Dichloroethene ND 0.002 mg/kg 8010 07/12/1994 1,2-Dichloropropane ND 0.002 mg/kg 8010 07/12/1994 cis-1,3-Dichloropropene ND 0.002 mg/kg 8010 07/12/1994 trans-1,3-Dichloropropene ND 0.002 mg/kg 8010 07/12/1994 Methylene chloride ND 0.050 mg/kg 8010 07/12/1994 1,1,2,2-Tetrachloroethane ND 0.002 mg/kg 8010 07/12/1994 Tetrachloroethene ND 0.002 mg/kg 8010 07/12/1994 1,1,1-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,2-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,2-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 Trichloroethene ND 0.002 mg/kg 8010 07/12/1994 Trichloroethene ND 0.002 mg/kg 8010 07/12/1994 Trichlorofluoromethane ND 0.002 mg/kg 8010 07/12/1994 Trichlorofluoromethane ND 0.002 mg/kg 8010 07/12/1994 Vinyl chloride ND 0.002 mg/kg 8010 07/12/1994 Vinyl chloride ND 0.002 mg/kg 8010 07/12/1994 SURROGATE RESULTS 1,4-Difluorobenzene (SURR) 69 % Rec. | 1,2-Dichloroethane | ND | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| 1,2-Dichloropropane ND 0.002 mg/kg 8010 07/12/1994 cis-1,3-Dichloropropene ND 0.002 mg/kg 8010 07/12/1994 trans-1,3-Dichloropropene ND 0.002 mg/kg 8010 07/12/1994 Methylene chloride ND 0.050 mg/kg 8010 07/12/1994 1,1,2,2-Tetrachloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,1-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,2-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 Trichlorofluoromethane ND 0.002 mg/kg 8010 07/12/1994 Vinyl chloride ND 0.002 mg/kg 8010 07/12/1994 SURROGATE RESULTS 07/12/1994 1,4-Difluorobenzene (SURR) 69 % Rec. 07/12/1994 | 1,1-Dichloroethene | ND | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| cis-1,3-Dichloropropene ND 0.002 mg/kg 8010 07/12/1994 trans-1,3-Dichloropropene ND 0.002 mg/kg 8010 07/12/1994 Methylene chloride ND 0.050 mg/kg 8010 07/12/1994 1,1,2,2-Tetrachloroethane ND 0.002 mg/kg 8010 07/12/1994 Tetrachloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,2-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,2-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 Trichlorofluoromethane ND 0.002 mg/kg 8010 07/12/1994 Vinyl chloride ND 0.002 mg/kg 8010 07/12/1994 SURROGATE RESULTS 07/12/1994 1,4-Difluorobenzene (SURR) 69 % Rec. 07/12/1994 | trans-1,2-Dichloroethene | ND | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| trans-1,3-Dichloropropene ND 0.002 mg/kg 8010 07/12/1994 Methylene chloride ND 0.050 mg/kg 8010 07/12/1994 1,1,2,2-Tetrachloroethane ND 0.002 mg/kg 8010 07/12/1994 Tetrachloroethene ND 0.002 mg/kg 8010 07/12/1994 1,1,1-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,2-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,2-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 Trichloroethene ND 0.002 mg/kg 8010 07/12/1994 Trichlorofluoromethane ND 0.002 mg/kg 8010 07/12/1994 Trichlorofluoromethane ND 0.002 mg/kg 8010 07/12/1994 Vinyl chloride ND 0.002 mg/kg 8010 07/12/1994 Vinyl chloride ND 0.002 mg/kg 8010 07/12/1994 SURROGATE RESULTS 1,4-Difluorobenzene (SURR) 69 % Rec. | 1,2-Dichloropropane | ND | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| Methylene chloride ND 0.050 mg/kg 8010 07/12/1994 1,1,2,2-Tetrachloroethane ND 0.002 mg/kg 8010 07/12/1994 Tetrachloroethene ND 0.002 mg/kg 8010 07/12/1994 1,1,1-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,2-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 Trichloroethene ND 0.002 mg/kg 8010 07/12/1994 Trichlorofluoromethane ND 0.002 mg/kg 8010 07/12/1994 Vinyl chloride ND 0.002 mg/kg 8010 07/12/1994 SURROGATE RESULTS 8 Rec. 07/12/1994 1,4-Difluorobenzene (SURR) 69 8 Rec. 07/12/1994 | cis-1,3-Dichloropropene | ND | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| 1,1,2,2-Tetrachloroethane ND 0.002 mg/kg 8010 07/12/1994 Tetrachloroethene ND 0.002 mg/kg 8010 07/12/1994 1,1,1-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,2-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 Trichloroethene ND 0.002 mg/kg 8010 07/12/1994 Trichlorofluoromethane ND 0.002 mg/kg 8010 07/12/1994 Vinyl chloride ND 0.002 mg/kg 8010 07/12/1994 SURROGATE RESULTS 07/12/1994 1,4-Difluorobenzene (SURR) 69 % Rec. 07/12/1994 | trans-1,3-Dichloropropene | ND | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| Tetrachloroethene ND 0.002 mg/kg 8010 07/12/1994 1,1,1-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,2-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 Trichloroethene ND 0.002 mg/kg 8010 07/12/1994 Trichlorofluoromethane ND 0.002 mg/kg 8010 07/12/1994 Trichlorofluoromethane ND 0.002 mg/kg 8010 07/12/1994 Vinyl chloride ND 0.002 mg/kg 8010 07/12/1994 Vinyl chloride ND 0.002 mg/kg 8010 07/12/1994 SURROCATE RESULTS 07/12/1994 1,4-Difluorobenzene (SURR) 69 % Rec. | Methylene chloride | ND | 0.050 | mg/kg | 8010 | | 07/12/1994 |
| 1,1,1-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 1,1,2-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 Trichloroethene ND 0.002 mg/kg 8010 07/12/1994 Trichlorofluoromethane ND 0.002 mg/kg 8010 07/12/1994 Vinyl chloride ND 0.002 mg/kg 8010 07/12/1994 SURROGATE RESULTS 07/12/1994 1,4-Difluorobenzene (SURR) 69 % Rec. 07/12/1994 | 1,1,2,2-Tetrachloroethane | ND | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| 1,1,2-Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 Trichloroethane ND 0.002 mg/kg 8010 07/12/1994 Trichlorofluoromethane ND 0.002 mg/kg 8010 07/12/1994 Vinyl chloride ND 0.002 mg/kg 8010 07/12/1994 SURROGATE RESULTS 07/12/1994 1,4-Difluorobenzene (SURR) 69 % Rec. 07/12/1994 | Tetrachloroethene | ND | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| Trichloroethene ND 0.002 mg/kg 8010 07/12/1994 Trichlorofluoromethane ND 0.002 mg/kg 8010 07/12/1994 Vinyl chloride ND 0.002 mg/kg 8010 07/12/1994 SURROGATE RESULTS 07/12/1994 1,4-Difluorobenzene (SURR) 69 % Rec. 07/12/1994 | 1,1,1-Trichloroethane | ND | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| Trichlorofluoromethane ND 0.002 mg/kg 8010 07/12/1994 Vinyl chloride ND 0.002 mg/kg 8010 07/12/1994 SURROGATE RESULTS 07/12/1994 1,4-Difluorobenzene (SURR) 69 % Rec. 07/12/1994 | 1,1,2-Trichloroethane | ND | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| Vinyl chloride ND 0.002 mg/kg 8010 07/12/1994 SURROGATE RESULTS 07/12/1994 1,4-Difluorobenzene (SURR) 69 % Rec. 07/12/1994 | Trichloroethene | ND | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| SURROGATE RESULTS 07/12/1994 1,4-Difluorobenzene (SURR) 69 % Rec. 07/12/1994 | Trichlorofluoromethane | ND | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| SURROGATE RESULTS 07/12/1994 1,4-Difluorobenzene (SURR) 69 % Rec. 07/12/1994 | Vinyl chloride | ND | 0.002 | mg/kg | 8010 | | 07/12/1994 |
| 1,4-DITUOLODEIMENE (SORR) | • | | | | | | 07/12/1994 |
| an landana | 1,4-Difluorobenzene (SURR) | 69 | | % Rec. | | • | 07/12/1994 |
| | | 72 | | % Rec. | | | 07/12/1994 |



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CONTINUING CALIBRATION VERIFICATION STANDARD REPORT

| | CCV Stande | CCV Standard ard Amount | CCV d Standar Amount | -d · | Date | Analyst |
|-----------------------|---------------|-------------------------------|----------------------------|----------|-------------------|----------|
| Parameter | ₹ Reco | | Expecte | ed Units | Analyzed | Initials |
| Cadmium (ICP) | 100.5 | 1.005 | 1.00 | tng/L | 07/15/1994 | jeo |
| Chromium (ICP) | 102.4 | 1.024 | 1.00 | mg/L | 07/15/1994 | jeo |
| Lead (GFAA) | 104.8 | 0.0262 | 0.0250 | mg/L | 07/18/1994 | djm |
| Nickel (ICP) | 101.1 | 1.011 | 1.00 | mg/L | 07/15/1994 | jeo |
| Zinc (ICP) | 98.2 | 0.982 | 1.00 | mg/L | 07/15/1994 | jeo |
| TPH (Gas/BTXE, Solid) | | | | | | |
| as Gasoline | 86.0 | 4.30 | 5.00 | mg/kg | 07/19/1994 | pbg |
| Benzene | 92.0 | 23.0 | 25.0 | ug/kg | 07/19/1994 | pbg |
| Toluene | 87.6 | 21.9 | 25.0 | ug/kg | 07/19/1994 | pbg |
| Ethylbenzene | 87.2 | 21.8 | 25.0 | ug/kg | 07/19/1994 | pbg |
| Xylenes (Total) | 92.3 | 69.2 | 75.0 | ug/kg | 07/19/1994 | pbg |
| Bromofluorobenzene (8 | SURR) 83.0 | 83 | 100 | % Rec. | 07/19/1994 | pbg |
| TPH (Gas/BTXE, Solid) | | | | | | |
| as Gasoline | 87.4 | 4.37 | 5.00 | mg/kg | 07/20/1994 | jmh |
| Benzene | 96.0 | 24.0 | 25.0 | ug/kg | 07/20/1994 | jmh |
| Toluene | 100.8 | 25.2 | 25.0 | ug/kg | 07/20/1994 | jmh |
| Ethylbenzene | 93.2 | 23.3 | 25.0 | ug/kg | 07/20/1994 | jmh |
| Xylenes (Total) | 101.7 | 76.3 | 75.0 | ug/kg | 07/20/1994 | jmh |
| Bromofluorobenzene (S | SURR) 99.0 | 99 | 100 | % Rec. | 07/20/1994 | jmh |
| TPH (Gas/BTXE, Solid) | | | | | | |
| as Gasoline | 114.2 | 5.71 | 5.00 | mg/kg | 07/20/1994 | bpa |
| Benzene | 84.8 | 21.2 | 25.0 | ug/kg | 07/20/1994 | pbg |
| Toluene | 91.6 | 22.9 | 25.0 | ug/kg | 07/20/1994 | bpā |
| Ethylbenzene | 94.0 | 23.5 | 25.0 | ug/kg | 07/20/1994 | bpa |
| Xylenes (Total) | 95.3 | 71.5 | 75.0 | ug/kg | 07/20/1994 | bpa |
| Bromofluorobenzene (S | SURR) 97.0 | 97 | 100 | % Rec. | 07/20/1994 | bpa |
| TPH (Gas/BTXE, Solid) | | | | | | |
| as Gasoline | 89.0 | 4.45 | 5.00 | mg/kg | 07/21/1994 | jmh |
| Benzene | 100.0 | 25.0 | 25.0 | ug/kg | 07/21/1994 | jmh |
| Toluene | 99.6 | 24.9 | 25.0 | ug/kg | 07/21/1994 | jmh |
| Ethylbenzene | 86.8 | 21.7 | 25.0 | ug/kg | 07/21/1994 | jmh |
| Xylenes (Total) | 110.5 | 82.9 | 75.0 | ug/kg | 07/21/1994 | jmh |
| Bromofluorobenzene (| SURR) 99.0 | 99 | 100 | % Rec. | 07/21/1994 | jmh |
| METHOD M8015 (EXT., S | Solid) | | | | | |
| as Diesel | 86.2 | 0.862 | 1.0 | mg/kg | 07/19/1994 | tts |



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CONTINUING CALIBRATION VERIFICATION STANDARD REPORT

| | | CCV | CCV | | | |
|----------------------------|------------|----------|----------|--------|------------|------------------|
| | ccv | Standard | Standard | | | |
| | Standard | Amount | Amount | | Date | Analyst |
| Parameter | % Recovery | Found | Expected | Units | Analyzed | Initia <u>ls</u> |
| METHOD 8010 (GC, Solid) | | | | | | |
| Bromodichloromethane | 104.5 | 20.9 | 20.0 | ug/kg | 07/12/1994 | nds |
| Bromoform | 101.0 | 20.2 | 20.0 | ug/kg | 07/12/1994 | nds |
| Bromomethane | 101.5 | 20.3 | 20.0 | ug/kg | 07/12/1994 | nds |
| Carbon tetrachloride | 106.0 | 21.2 | 20.0 | ug/kg | 07/12/1994 | nds |
| Chlorobenzene | 109.5 | 21.9 | 20.0 | ug/kg | 07/12/1994 | nds |
| Chloroethane | 98.5 | 19.7 | 20.0 | ug/kg | 07/12/1994 | nds |
| 2-Chloroethylvinyl ether | 89.0 | 17.8 | 20.0 | ug/kg | 07/12/1994 | nds |
| Chloroform | 105.5 | 21.1 | 20.0 | ug/kg | 07/12/1994 | nds |
| Chloromethane | 105.0 | 21.0 | 20.0 | ug/kg | 07/12/1994 | nds |
| Dibromochloromethane | 102.0 | 20.4 | 20.0 | ug/kg | 07/12/1994 | nds |
| 1,2-Dichlorobenzene | 100.0 | 20.0 | 20.0 | ug/kg | 07/12/1994 | nds |
| 1,3-Dichlorobenzene | 134.5 | 26.9 | 20.0 | ug/kg | 07/12/1994 | nds |
| 1,4-Dichlorobenzene | 134.0 | 26.8 | 20.0 | ug/kg | 07/12/1994 | nds |
| Dichlorodifluoromethane | 102.0 | 20.4 | 20.0 | ug/kg | 07/12/1994 | nds |
| 1,1-Dichloroethane | 99.0 | 19.8 | 20.0 | ug/kg | 07/12/1994 | nds |
| 1,2-Dichloroethane | 106.5 | 21.3 | 20.0 | ug/kg | 07/12/1994 | nds |
| 1,1-Dichloroethene | 104.0 | 20.8 | 20.0 | ug/kg | 07/12/1994 | nds |
| trans-1,2-Dichloroethene | 101.0 | 20.2 | 20.0 | ug/kg | 07/12/1994 | nds |
| 1,2-Dichloropropane | 106.5 | 21.3 | 20.0 | ug/kg | 07/12/1994 | nds |
| cis-1,3-Dichloropropene | 104.5 | 20.9 | 20.0 | ug/kg | 07/12/1994 | nds |
| trans-1,3-Dichloropropene | 103.0 | 20.6 | 20.0 | ug/kg | 07/12/1994 | nds |
| Methylene chloride | 123.0 | 24.6 | 20.0 | ug/kg | 07/12/1994 | nds |
| 1,1,2,2-Tetrachloroethane | 101.0 | 20.2 | 20.0 | ug/kg | 07/12/1994 | nds |
| Tetrachloroethene | 106.5 | 21.3 | 20.0 | ug/kg | 07/12/1994 | nds |
| 1,1,1-Trichloroethane | 105.5 | 21.1 | 20.0 | ug/kg | 07/12/1994 | nds |
| 1,1,2-Trichloroethane | 106.0 | 21.2 | 20.0 | ug/kg | 07/12/1994 | nds |
| Trichloroethene | 106.5 | 21.3 | 20.0 | ug/kg | 07/12/1994 | nds |
| Trichlorofluoromethane | 104.0 | 20.8 | 20.0 | ug/kg | 07/12/1994 | nds |
| Vinyl chloride | 103.5 | 20.7 | 20.0 | ug/kg | 07/12/1994 | nds |
| 1,4-Difluorobenzene (SURR) | 106.0 | 106 | 100 | % Rec. | 07/12/1994 | nds |
| 1,4-Dichlorobutane (SURR) | 103.0 | 103 | 100 | % Rec. | 07/12/1994 | nds |



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METHOD BLANK REPORT

Method Blank

| | Blank | | | | |
|----------------------------|--------|-----------|-------------------|------------|------------------|
| | Amount | Reporting | | Date | Analyst |
| Parameter | Found | Limit | Units | Analyzed | <u> Initials</u> |
| Oil & Grease (Total) | ND | 50 | mg/kg | 07/16/1994 | bbh |
| Oil & Grease (Non-Polar) | ND | 50 | mg/kg | 07/16/1994 | bbh |
| Cadmium {ICP} | ND | 2.0 | mg/kg | 07/15/1994 | jeo |
| Chromium (ICP) | ND | 2.0 | mg/kg | 07/15/1994 | jeo |
| Lead (GFAA) | ND | 0.2 | mg/kg | 07/18/1994 | άjπ |
| Nickel (ICP) | ND | 5.0 | mg/kg | 07/15/1994 | jeo |
| Zinc (ICP) | ND | 5.0 | mg/kg | 07/15/1994 | jeo |
| TPH (Gas/BTXE, Solid) | | | | | |
| as Gasoline | ND | 1 | mg/kg | 07/19/1994 | pbg |
| Benzene | ND | 2.5 | ug/kg | 07/19/1994 | pbg |
| Toluene | ND | 2.5 | ug/k g | 07/19/1994 | pbg |
| Ethylbenzene | ND | 2.5 | ug/kg | 07/19/1994 | pdq |
| Xylenes (Total) | ND | 2.5 | ug/kg | 07/19/1994 | pbg |
| Bromofluorobenzene (SURR) | 90 | | % Rec. | 07/19/1994 | pbg |
| TPH (Gas/BTXE, Solid) | | | | | |
| as Gasoline | ND | 1 | mg/kg | 07/20/1994 | jmh |
| Benzene | ND | 2.5 | ug/kg | 07/20/1994 | jmh |
| Toluene | ND | 2.5 | ug/kg | 07/20/1994 | jmh |
| Ethylbenzene | ND | 2.5 | ug/kg | 07/20/1994 | jmh |
| Xylenes (Total) | ND | 2.5 | ug/kg | 07/20/1994 | jmh |
| Bromofluorobenzene (SURR) | 91 | | % Rec. | 07/20/1994 | jmh |
| TPH (Gas/BTXE, Solid) | | | | | |
| as Gasoline | ND | 1 | mg/kg | 07/20/1994 | pbg |
| Benzene | ND | 2.5 | ug/kg | 07/20/1994 | pbg |
| Toluene | ND | 2.5 | ug/kg | 07/20/1994 | pbg |
| Ethylbenzene | ND | 2.5 | ug/kg | 07/20/1994 | pbg |
| Xylenes (Total) | ND | 2.5 | ug/kg | 07/20/1994 | pbg |
| Bromofluorobenzene (SURR) | 95 | | % Rec. | 07/20/1994 | pbg |
| TPH (Gas/BTXE, Solid) | | | | | |
| as Gasoline | ND | 1 | mg/kg | 07/21/1994 | jmh |
| Benzene | ND | 2.5 | ug/kg | 07/21/1994 | jmh |
| Toluene | ND | 2.5 | ug/kg | 07/21/1994 | jmh |
| Ethylbenzene | ND | 2.5 | ug/kg | 07/21/1994 | jmh |
| Xylenes (Total) | ND | 2.5 | ug/kg | 07/21/1994 | jmh |
| Bromofluorobenzene (SURR) | 95 | | % Rec. | 07/21/1994 | jmh |
| METHOD M8015 (EXT., Solid) | | | | | |
| as Diesel | ND | 1 | mg/kg | 07/19/1994 | tts |
| | | | | | |



Date: 07/25/1994 ELAP Certificate: 1386

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METHOD BLANK REPORT

Method Blank

| | Blank | | | | |
|----------------------------|--------|-----------|--------|--------------------|-----------------|
| | Amount | Reporting | | Date | Analyst |
| Parameter | Found | Limit | Units | Analyzed | <u>Initials</u> |
| METHOD 8010 (GC, Solid) | | | | | |
| Bromodichloromethane | ND | 2.0 | ug/kg | 07/12/1994 | nds |
| Bromoform | ND | 2.0 | ug/kg | 07/12/1994 | nds |
| Bromomethane | ND | 2.0 | ug/kg | 07/12/1994 | nds |
| Carbon tetrachloride | ND | 2.0 | ug/kg | 07/12/1994 | nds |
| Chlorobenzene | ND | 2.0 | ug/kg | 07/12/1994 | nds |
| Chloroethane | ND | 2.0 | ug/kg | 07/12/1994 | nds |
| 2-Chloroethylvinyl ether | ND | 5.0 | ug/kg | 07/12/1994 | nds |
| Chloroform | ND | 2.0 | ug/kg | 07/12/1994 | nds |
| Chloromethane | ND | 2.0 | ug/kg | 07/12/1994 | nds |
| Dibromochloromethane | ND | 2.0 | ug/kg | 07/12/1994 | nds |
| 1,2-Dichlorobenzene | ND | 2.0 | ug/kg | 07/12/1994 | nds |
| 1,3-Dichlorobenzene | ND | 2.0 | ug/kg | 07/12/1994 | nds |
| 1,4-Dichlorobenzene | ND | 2.0 | ug/kg | 07/12/1994 | nds |
| Dichlorodifluoromethane | ND | 2.0 | ug/kg | 07/12/1994 | nds |
| 1,1-Dichloroethane | ND | 2.0 | ug/kg | 07/12/1994 | nds |
| 1,2-Dichloroethane | ND | 2.0 | ug/kg | 07/12/1994 | nds |
| 1,1-Dichloroethene | ND | 2.0 | ug/kg | 07/12/1994 | nds |
| trans-1,2-Dichloroethene | ND | 2.0 | ug/kg | 07/12/1994 | nds |
| 1,2-Dichloropropane | ND | 2,0 | ug/kg | 07/12/1994 | nds |
| cis-1,3-Dichloropropene | ND | 2.0 | ug/kg | 07/12/1994 | nds |
| trans-1,3-Dichloropropene | ND | 2.0 | ug/kg | 07/12/1994 | nds |
| Methylene chloride | ND | 50 | ug/kg | 07/12/1994 | nds |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | ug/kg | 07/12/199 4 | nds |
| Tetrachloroethene | ND | 2.0 | ug/kg | 07/12/1994 | nds |
| 1,1,1-Trichloroethane | ND | 2.0 | ug/kg | 07/12/1994 | nds |
| 1,1,2-Trichloroethane | ND | 2.0 | ug/kg | 07/12/1994 | nds |
| Trichloroethene | ND | 2.0 | ug/kg | 07/12/1994 | nds |
| Trichlorofluoromethane | ND | 2.0 | ug/kg | 07/12/1994 | nds |
| Vinyl chloride | ND | 2.0 | ug/kg | 07/12/1994 | nds |
| 1,4-Difluorobenzene (SURR) | 104 | | % Rec. | 07/12/1994 | nds |
| 1,4-Dichlorobutane (SURR) | 88 | | % Rec. | 07/12/1994 | nds |
| | | | | | |



NET Job No: 94.02912

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE

| | | Matrix | | | | | Matrix | | | |
|--------------------------|--------|--------|-------|--------|--------|--------|--------|----------|------------|----------|
| | Matrix | Spike | | | | Matrix | Spike | | | |
| | Spike | Dup | | Spike | Sample | Spike | Dup. | | Date | Analyst |
| Parameter | ₹ Rec. | % Rec. | RPD | Amount | Conc. | Conc. | Conc. | Units | Analyzed | Initials |
| Oil & Grease (Total) | 110.7 | 123.9 | 11.3 | 2,471 | 3,200 | 5,935 | 6,422 | mg/kg | 07/16/1994 | bbh |
| Oil & Grease (Non-Polar) | 111.8 | 125 | 11.1 | 2,471 | 2,300 | | | mg/kg | 07/16/1994 | bbh |
| ICP METALS SOLID | | | | | | | | | | |
| Cadmium (ICP) | 95.6 | 95.2 | 0.4 | 59.81 | ND | 57.20 | 68.75 | mg/kg | 07/15/1994 | jeo |
| Chromium (ICP) | 107.3 | 102.8 | 4.3 | 59.81 | 2.8 | 66.99 | 77.09 | mg/kg | 07/15/1994 | jeo |
| Lead (GFAA) | N/A | N/A | 92.00 | 0 | 65 | 0 | 0 | mg/kg dw | 07/18/1994 | djm |
| Nickel (ICP) | 95.0 | 95.3 | 0.3 | 59.81 | 3.1 | 59.90 | 71.94 | mg/kg | 07/15/1994 | jeo |
| Zinc (ICP) | 93.3 | 93.3 | 0.0 | 59.81 | 15 | 70.83 | 82.42 | mg/kg | 07/15/1994 | jeo |
| TPH (Gas/BTXE, Solid) | | | | | | | | | | |
| as Gasoline | 93.0 | 79.2 | 16.0 | 5.00 | ND | 4.65 | 3.96 | mg/kg | 07/19/1994 | pbg |
| Benzene | 94.2 | 90.8 | 3.7 | 172 | ND | 162 | 21.8 | ug/kg | 07/19/1994 | pbg |
| Toluene | 81.2 | 95.1 | 15.8 | 467 | ND | 379 | 444 | ug/kg | 07/19/1994 | pbg |
| TPH (Gas/BTXE, Solid) | | | | | | | | | | |
| as Gasoline | 86.8 | 73.0 | 17.3 | 5.00 | ND | 4.34 | 3.65 | mg/kg | 07/20/1994 | jmh |
| Benzene | 102.8 | 90.3 | 12.8 | 176 | ND | 181 | 159 | ug/kg | 07/20/1994 | jmh |
| Toluene | 102.0 | 93.7 | 8.4 | 396 | ND | 404 | 371 | ug/kg | 07/20/1994 | jmh |
| TPH (Gas/BTXE, Solid) | | | | | | | | | | |
| as Gasoline | 117.2 | 112.0 | 4.5 | 5.00 | ND | 5.86 | 5.60 | mg/kg | 07/20/1994 | pbg |
| Benzene | 103.2 | 94.1 | 9.1 | 187 | ND | 193 | 176 | ug/kg | 07/20/1994 | pbg |
| Toluene | 101.1 | 95.2 | 5.9 | 357 | ND | 361 | 340 | ug/kg | 07/20/1994 | pbg |
| TPH (Gas/BTXE, Solid) | | | | | | | | | | |
| as Gasoline | 108.6 | 82.4 | 27.3 | 5.00 | ND | 5.43 | 4.12 | mg/kg | 07/21/1994 | jmh |
| Benzene | 82.7 | 95.0 | 13.8 | 179 | ND | 148 | 170 | ug/kg | 07/21/1994 | jmh |
| Toluene | 88.3 | 96.5 | 8.9 | 401 | ND | 354 | 387 | ug/kg | 07/21/1994 | jmh |

NOTE: Insufficient sample to analyze MS/MSD for Diesel.



NET Job No: 94.02912

Date: 07/25/1994

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE

| Parameter | Matrix Spike % Rec. | Matrix Spike Dup % Rec. | RPD_ | Spike Amount | Sample Conc. | Matrix Spike Conc. | Matrix Spike Dup. Conc. | Units | Date Analyzed | Analyst Initials |
|-------------------------|---------------------------|----------------------------------|------|-----------------|-----------------|--------------------------|----------------------------------|----------|---------------------|---------------------|
| METHOD 8010 (GC, Solid) | | | | | | | | | | |
| Chlorobenzene | 93.1 | 98.0 | 5.1 | 105 | ND | 97.5 | 103 | ug/kg dv | o7/12/1994 | nds |
| 1,1-Dichloroethene | 86.4 | 97.0 | 11.6 | 105 | ND | 90.5 | 102 | ug/kg dv | <i>•</i> 07/12/1994 | nds |
| Trichloroethene | 90.8 | 97.2 | 6.B | 105 | ND | 95.1 | 102 | ug/kg di | # 07/12/1994 | nds |



Date: 07/25/1994 ELAP Certificate: 1386

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Ref: SHELL, 461 8th St., Oakland

LABORATORY CONTROL SAMPLE REPORT

| | | LCS | LCS | • | | |
|--------------------------|----------------|--------|----------|-------|------------|-----------------|
| | LCS | Amount | Amount | | Date | Analyst |
| Parameter | % Recovery RPD | Found | Expected | Units | Analyzed | <u>Initials</u> |
| Oil & Grease (Total) | 101.2 | 2,602 | 2,570 | mg/kg | 07/16/1994 | ddd |
| Oil & Grease (Non-Polar) | 97.4 | 2,504 | 2,570 | mg/kg | 07/16/1994 | hdd |
| Cadmium (ICP) | 104.3 | 168.6 | 161.6 | mg/kg | 07/15/1994 | jeo |
| Chromium (ICP) | 106.1 | 152.9 | 144.1 | mg/kg | 07/15/1994 | jeo |
| Lead (GFAA) | 105.0 | 52.8 | 50.3 | mg/kg | 07/18/1994 | djm |
| Nickel (ICP) | 100.2 | 221.4 | 221 | mg/kg | 07/15/1994 | jeo |
| Zinc (ICP) | 102.0 | 181.7 | 178.2 | mg/kg | 07/15/1994 | jeo |
| METHOD M8015 (EXT., Soli | d) | | | | | |
| as Diesel | 100.0 | 16.7 | 16.7 | mg/kg | 07/20/1994 | tts |
| METHOD M8015 (EXT., Soli | đ) | | | | | |
| as Diesel | 102.4 2.0 | 17.1 | 16.7 | mg/kg | 07/20/1994 | tts |



KEY TO ABBREVIATIONS and METHOD REFERENCES

: Less than; When appearing in results column indicates analyte < not detected at the value following. This datum supercedes the

listed Reporting Limit.

: Reporting Limits are a function of the dilution factor for any given sample. Actual reporting limits and results have been multiplied by the listed dilution factor. Do not multiply the reporting limits or

reported values by the dilution factor.

🕶 dw : Result expressed as dry weight.

: Average; sum of measurements divided by number of measurements. mean

mg/Kg (ppm) : Concentration in units of milligrams of analyte per kilogram of

sample, wet-weight basis (parts per million).

: Concentration in units of milligrams of analyte per liter of sample. mq/L

mL/L/hr : Milliliters per liter per hour.

: Most probable number of bacteria per one hundred milliliters of sample. MPN/100 mL

N/A : Not applicable.

NA : Not analyzed.

: Not detected; the analyte concentration is less than the applicable ND

listed reporting limit.

UTU : Nephelometric turbidity units.

: Relative percent difference, 100 [Value 1 - Value 2]/mean value. RPD

: Standard not available. SNA

ug/Kg (ppb) : Concentration in units of micrograms of analyte per kilogram of sample,

wet-weight basis (parts per billion).

: Concentration in units of micrograms of analyte per liter of sample. ug/L

umhos/cm : Micromhos per centimeter.

<u>Method</u> <u>References</u>

Methods 100 through 493: see "Methods for Chemical Analysis of Water & Wastes", U.S. EPA, 600/4-79-020, Rev. 1983.

Methods 601 through 625: see *Guidelines Establishing Test Procedures for the Analysis of Pollutants" U.S. EPA, 40 CFR, Part 136, Rev. 1988.

Methods 1000 through 9999: see "Test Methods for Evaluating Solid Waste", U.S. EPA SW-846, 3rd edition, 1986., Rev. 1, December 1987.

SM: see "Standard Methods for the Examination of Water & Wastewater, 17th Edition, APHA, 1989.

Revised September, 1993 abb.93

| SHELL OIL COMPANY RETAIL ENVIRONMENTAL ENGINEERING - WEST | | | | | | | | | CHAIN OF CUSTODY RECORD Serial No: 1252 | | | | | | | | | | | | Date: 7/6/94 Page / of 3 | |
|--|-------|-------------|------------------------------------|-----------------|--|--------------------------|--------------|------------------------|---|-------------------|-------------------|-----------------|------------------|------|----------|-----------|------------------|-----------|--|--|--|--|
| Site Address: HG | 18 | th St | F., C | Takl | and, | Ca. | Π | - | ٠ | And | alys | is R | equ | irec |) | | | | LAB: | NE | | |
| WICH: | | 08-6 | | ********** | | | | | | | | | | | | | | | CHECK ONE (1) BOX ONLY | | TURN AROUND TIME | |
| Shell Engineer: Lynn Wa | lker | | Phone No.: (510)67 Fax #: 675-6172 | | | | | 169 | | | | | | | | | | | l . |] 4461 [4461 | 24 hours | |
| Consultant Name & A | | | | | | | | | | | | X 8020 | | | | | , | | Waler |] 4442] 4443 | 15 days (Normal | |
| Consultant Confact: | idgu | ust | | Phone Fax #: | No.: 935- | 107-93: 48 5 5 | -48° | Dieset ^(C) | , | A 8240) | | 15 & BTEX | | | | • | | | Soll/Air Rein, or Sys. | 4462 | NOTE: Notify Lab as | |
| Comments: | V | | | | | | <u>ğ</u> | lod. I | 602 | 3 (EPA | _ | H 8015 | | | | | ס | | | 4463 | soon as Possible of 24/48 hm. TAT. | |
| Consultant Conject: Phone No.: 707-935 Plane Lundquist Fax #: 935-4855 Sampled by: JLP Total Column | | | | | 15 % | 15 N | A 8020/602) | 莨 | ğ | <u>₽</u> | | | | Size | Use | Y/N | Other | | | | | |
| Printed Name: <i>Jef</i> | or lo | Lucan | | | | | 8 | 8 | A 8 | ် စီ | 蓝 | ğ | | | × | er Si | Tion | site | UST AGENCY: | | | |
| Sample ID | Date | Sludge | Soll | Water | Air | No. of conts. | TPH (EPA | TPH (EPA | BTEX (E | Voiatile Organics | Test for Disposal | Combination 1PH | | | Asbestos | Container | Preparation Used | Composite | MATERIAL DESCRIPTION | | SAMPLE CONDITION/ COMMENTS | |
| B1-5,0 | Toky | | X | | | 1 | | X | | | | X | p | | | | | | | | 7 | |
| B1-10,0 | | | X | | | - { | | χ | | | | X | | | | | | ٠, | | | | |
| BQ-5.0 | | | X | | | 1 | | X | | | | X | | | | | | | | | | |
| B2-10.0 | | | X | | | 1 | | | | | | | | | | | | | Hold | | | |
| B2-15,0 | | | X | | | 1 | | X | <u></u> | | | X | | | | | | | | | | |
| B2-20.0 | | | Х | | | ١ | | X | | | | X | | | | | | | / | | | |
| B3-5.0 | | | X | | | 1 | | | | | | | | | | | | | Hold | | | |
| B3-10:0 | 4 | 15.1.1 | X | | <u>. </u> | 11 | | Χ, | | | | X | | | | | | | | | | |
| Relinquished By (signghye) Relinquished By (signghye) Color Survey (signghye) | son | Printe | d Nam | UNDO | | | Tim Date | 9; <i>[/]</i> 9: 7/ | 10 at | Red | | | nature Office | r/1 | 2 | | | | d Name: <i>KEGLI (6 ETLA</i> * d Name: | TOK | Date:7/8/97 | |
| Relinquished By (signature) |): | Printe | d Nam Dow | Time | | | Date Time | : 1-4 | | Rec | elved | l (sigr 4- 1 | (u nature | | | | 1 | | Mame: Annylop | و | Time: /3 44 Date: 7 /8/97 Time: 1444 | |
| Hav. 1/12/07 | | <u>IM</u> I | LABO | KVIOKA | MAST L | ROYIDE | ΔCQ | ry O | <u> </u> | CHA | N-QF | -CUS | ODY | | NVO | CEA | ND RE | SULT | <u> </u> | | | |

| RETAIL | SHELL OIL COMPANY RETAIL ENVIRONMENTAL ENGINEERING - WEST | | | | | | | | | | CHAIN OF CUSTODY RECORD Serial No: 1252 | | | | | | | | | Dale Page | Dale: 7/6/94 Page 2 of 3 | | |
|--|---|--------|---------|--------------------|----------|------------------|-------------|--|------------------------|------------------------|---|----------------------|-------------------|------------|----------|----------------|-----------------|----------------|--|--------------|--|--|--|
| Site Address: | 161 8th Street, Oakland, | | | | | | | | Analysis Required LAB: | | | | | | | | | | LAB: | NET | | | |
| - 4 | | 08-6 | | ··· | <u> </u> | | | | | | | | | П | | | | | CHECK ONE (1) BOX ONLY | 1 | TURN AROUND TIME | | |
| Shell Engineer: | ſ. | | | Phone | No.: | 510-67 | 5-6 | 169 | | | | | | EE | | | | | İ | 4461 | 24 hours | | |
| Lynn Wal | w | | | Fax #; | 675- | 6172 | | | | | | | | | V | | | | l ' | 4441 | 48 hours [] | | |
| Consultant Name & | | | | | | | | | | | | STEX 8020 | | 5520 | METALS | | | | l | 4442 | 16 days 🔀 (Normal) | | |
| Canadani Cantani | · · · · · · · · · · · · · · · · · · · | | | Phone | No.: | 935-4 | 150 | Q | , | 40) | | ĕ | , | B | മ | - | | | Classity/Disposal |] 4443 | Other | | |
| Deane Le Comments: | un da | uist | | Fax #: | | | (SQ) | Diesel) | | A 8240) | | ₩ | | N | | | 1 | | I = - * |] 4462 | NOTE: Nothy Lab as | | |
| Comments: | V | | | | | | ᄬ | jd. | ß | (EP. | | 1801 | | Grease | ICAP | | | | |] 4463 | soon as Fossible of 24/40 hm. TAT. | | |
| Sampled by: JLP | | · | | ., | | | 5 ₹ | 5 Mc | 20/6 | N C | ij | TPH | 210 | 3 | | • | Jsed | ₹ | Other |] | | | |
| • | ~1 | / | | | | | 8 | 801 | A 80 | Orgc | isp | gior | 8 | G | 17 | r Siz | ion l | ite | UST AGENCY: | | | | |
| Printed Name: Jes | + fet | erson | 1 1 1 1 | | | | EPA | TPH (EPA 8015 Mod. | STEX (EPA 8020/602) | /oldfile Organics (EPA | est for Disposal | Combination TPH 8015 | EPA | 0:1 ¢ | Asbectos | container Size | reparation Used | Composite Y/N | MATERIAL | | SAMPLE CONDITION/ | | |
| Sample ID | Date | Sludge | Soll | Water | Alr | No. of conts. | THE T | 표 | BTE | Vol | Test | ပိ | (II) | 0 | # | Con | Pre | S | DESCRIPTION | | COMMENTS | | |
| 33-15.0 | 7/6/14 | | X | | | | | χ | | | | Χ | ç | | | | | | | | | | |
| B4-5iD | | | X | | | ١ | | X | | | | X | | | | | | | | | | | |
| B4-10.0 | | | X | | | | | X | | | | X | | | | | | | | | | | |
| B5-510 | | | X | | |) | | X | | | | X | X | X | X | | | | | | | | |
| 85 - 9.75 | | | X | | |) | | X | | | | X | X | X | X | | | | traced B5- | 10.0 | I.D. on core | | |
| B9-510' | 7/7/94 | | X | | | ١ | | χ | | | | χ | | | | | | | soweth. | the | 9.75 | | |
| B9-10.0 | | | X | | | 1 | | | | | | | | | | | | | food 85- 80 wath | | per fra | | |
| 39-14.5 | 1 | | X | | | 1 | | X | | | | X | | | | | | | | | | | |
| Relinguished by (signeth | P): | Printe | d Nam | C Pe | TO | 20 | | 7/7 | /54 00. | Rec | elvec | | Zu |): 1201 | | رس | 1 | Printe | dName: CFLIGENAT | | Date: 7/7/37 Time: // 00/9 | | |
| | 1171- | ئما ، | 1 C F P | , , , , , , | | | | | | N | | | , -,- | F V | | | | | | u st | 11117141 / // 4/1/7_6 #4 | | |
| Religious Red By (signatu | un. | Print | ęd Nam | 1 0 : / | | | Date | o: 7/8 | 174 | - P9 0 | elved | i (elgij | (colydre) | y : | | | 1 | rinje | d-Name: | | Date: 7/8/44 | | |
| Religious de Receignaire Réligious de By (signatus Mariantes de By (signatus | pal | Printe | d Nam | · Lon | DQU | | Date Tim | : 7/8 : / 3/ : 17 / 8 | 13t | 1/2 | elvec | (sign | catvire cature |):): | · | | [6 | rinie rinie | d Name: Dow/ins d Name: Anny Lape | | Date: 7/8/47 Time: /345 Date: 7/9/14 Time: 1444 | | |

| SHELL OIL COMPANY RETAIL ENVIRONMENTAL ENGINEERING - W Sile Address: 4618th St., Oakland, Ca. | | | | | | | | ST | CHAIN OF CUSTODY RECORD Serial No: 125 Z | | | | | | | Pag | e: 7/7/94 e 3 of 3 | | | | |
|---|-------------------------|--------|----------------------|----------|--------|----------------|--------------------|------------|--|-------------------|-------------------|----------------------|------------------|------|----------|----------------|-----------------------|--------------|---|--|---|
| | 18 | th St | ., 0 | akl | and | ', Ca . | <u> </u> | | | An | alys | is R | equ | ired | · | | | | LAB: | EZ | |
| WICH: 204-550 | 0- | 620. | 5 | | | | | | | | | | | | | | | | CHECK ONE (1) BOX ONLY | CT/DT | TURN AROUND TIME |
| | - | | | Phone | No.: | 510-67 | 5-61 | 69 | | | | | | | | | | <u> </u> | | 4461 | 24 hours |
| Shell Engineer: Lyun Walke | | | | | | 6172 | | | | | |] _ | | ĺ | ĺ | | | | Site Investigation |] 4411 | 48 hours |
| Consultant Name & Add | | 5: | | | _ | | | | | | | & BTEX 8020 | | | | | | | | 4442 | 15 days 🂢 (Normal |
| Consultant Contact: | | | 10 | Phone | No.: | 717-9. | 5-4 | 85 C | ١. | ᅙ | | Ă | , | 1 | | - | | | 1 | 4443 | Other |
| Diane Lund | BUI | st | | Fax #: | 935- | 707-9- 4855 | ĝ | 8 | | \$240) | | | | | l | | | | ···· | 4462 | NOTE: Notify Lab as |
| Comments: | (/ - | | | <u> </u> | | | g g | ğ Ö | ន្ត | (EPA | | 80 | | l | | | | | Woler Rem. or \$ys. | 4463 | econ as Fassible of 24/48 hrs. TAT. |
| Sampled by: JP | | | | | | | ₩ | 8015 Mod. | 8 | 동 | 埬 | 풑 | | | | | Se C | N/X | Other |) | |
| | 1 | / | | | | | 8015 | 8 | A 80. | Orga | ğ | Hion Hion | | | _ | ır Size | ion U | | UST AGENCY: | <u> </u> | |
| Printed Name: Jeff Sample ID | Pet Date | Sludge | Soll | Water | Alt | No, of conts. | TPH (EPA | TPH (EPA | BTEX (EPA 8020/602) | Volatile Organics | Test for Disposal | Combination TPH 8015 | | | Asbestos | Container Size | Preparation Used | Composite | MATERIAL DESCRIPTION | } | SAMPLE CONDITION/ COMMENTS |
| B8-510 7 | 4/94 | | X | | | ١ | | χ | | | | X | | | | | | | | | |
| B8-9.0 | | | X | | | 1 | | χ | | | | X | | | | | | | | | |
| B7-5:0 | 1 | | X | | | T | | X | | | | X | | | | | | | | | |
| B7-10.0 | | | X | | | 1 | | ĺχ | | | | X | | | | | | | | | |
| B6-5.0 | 1 | | X | | | 1 | | χ | | | | χ | | | | | | | | | |
| B6-10:0 | | | X | | | 1 | | | | | | - | | | | | | | 401 | | |
| B6-18.5 | $\overline{\mathbf{V}}$ | | X | | | 1 | | X | | | | X | | | | | | | · / | | |
| B6-1510 | V | | X | | | | | 一 <i>,</i> | | | | | | | | ~~~ | | | 4611 | 1 | |
| Relinculated By (signature): Affilm of Statements Relinculated By (signature): Affilm fundaments | pr | Printe | d Name <i>WUE</i> | CUN | | | Tim Date Tim | o: 7- | 9 % • 95 8-4 | Rog | elyed | 100 | nature nature | | 7 | | | Printe 11 | d Name: WALLEPLATIA d.Name:) w///// | ٤ | Date: 7/9/9/ Time: 1/1/1/20 Date: 7/8/9/ Time: /3/6/ |
| Rélipquished By (signisture): | | | d Norm | | MUST P | ROVIDE | Time | •: /4 | 744 | 7 | _ | 1 | nature) | | MVOI | CE A | ŀ | | d Namé:) Anny Lope | <u>. </u> | Dale: 7 /8/54 Time: 1444 |

cooler temp. 0.6°C

COOLER RECEIPT FORM

| | COOLER RECEIPT | |
|--|--|---------------------------------|
| | | og No: 1252 |
| oject: 1.00 461 87 oler received on: 7/9/9 | that Oakland 1/8/G | by A lope |
| _ | (signatu | |
| re custody papers present | E? | YES NO |
| suctody namers properl | ly filled out? | YES NO |
| re custody papers proper | gned? | YES NO |
| re the custody papers sign | · · · · · · · · · · · · · · · · · · · | YES NO O 6°C |
| s sufficient ice used: | dition (unbroken) | YES NO N |
| d all bottles arrive in c | good condition (unbroken)? | VES NO |
| d bottle labels match COC | C? | (YES) NO |
| re proper bottles used for | or analysis indicated? | YES NO |
| rrect preservatives used? | ? | YES NO N/A |
| A vials checked for heads Note which voas (if | space bubbles? f any) had bubbles:* | YES NO 1977 |
| mple descriptor: | Number of vials: | · |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | . |
| .ll VOAs with headspace bused for analysis | ubbles have been set aside | e so they will not be YES NO |
| | | |
| st here all other jobs re | eceived in the same cooler | , • |
| ient Job # | NET log # | |
| | | |
| | | • |
| | | |

(coolerrec)