



Tollman-Hundley Hotels

Operations Services
5820 W. Irlo Bronson Highway
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June 3, 1996

Ms. Susan L. Hugo
Senior Hazardous Materials Specialist
Alameda County Health Care Services
1131 Harbor Bay Parkway
Alameda, California 94502-6577

96 JUN -4 AM 10:15
ENVIRONMENTAL
PROTECTION

**Subject: Report of Phase III Environmental
Site Assessment
Days Inn Hotel
1603 Powell Street
Emeryville, California**

Dear Ms. Hugo:

Enclosed for your information and review is the report prepared by Law/Crandall, Inc. for a Phase III Environmental Site Assessment at the Days Inn Hotel in Emeryville, California. This report documents Law/Crandall's assessment of the extent of soil and groundwater hydrocarbon impacts related to the historical presence of aboveground and underground storage tanks at the site, and possible off-site sources. Included are Law/Crandall's recommendations for additional monitoring at this site.

Please review this report and provide your comments as soon as possible. We are presently trying to refinance this property and need to move toward closure on this site as quickly as possible to prevent further delays to this process.

If you have questions or need additional information, don't hesitate to contact me at the above address or at (407) 396-6605. Also feel free to call Mark Miller or Andrew Muha of Law/Crandall directly at (415) 834-2040.

Sincerely,

Charles G. Goldman

cc: Brett Tollman
Mark Miller
Andrew Muha

Enclosure



LAW

ENGINEERING AND ENVIRONMENTAL SERVICES

**REPORT OF PHASE III ENVIRONMENTAL
SITE ASSESSMENT**

**DAYS INN HOTEL
1603 POWELL STREET
EMERYVILLE, CALIFORNIA**

Prepared for:

**EMERYVILLE DAYS LIMITED PARTNERSHIP
5820 W. Irlo Bronson Highway
Kissimmee, Florida 34746**

**ENVIRONMENTAL
PROTECTION
96 JUN -4 AM 10: 15**

May 29, 1996



LAW/CRANDALL

A DIVISION OF LAW ENGINEERING
AND ENVIRONMENTAL SERVICES INC

May 29, 1996

Mr. Charles G. Goldman, Vice President
Operations Services
c/o Days Suites
5820 W. Irlo Bronson Highway
Kissimmee, Florida 34746

Subject: **Report of Phase III Environmental Site Assessment**
Days Inn Hotel
1603 Powell Street
Emeryville, California
Law/Crandall Project No. 70424-6-0004

Dear Mr. Goldman:

Law/Crandall (LAW) is pleased to present to Emeryville Days Limited Partnership this report for a Phase III Environmental Site Assessment at the Days Inn Hotel in Emeryville, California. This report documents our assessment of the extent of soil and groundwater hydrocarbon impacts related to the historical presence of above-ground and underground storage tanks at the site, and possible off-site sources. The scope of services was presented in our proposal number 70424-6-5005 dated January 16, 1996, and our work authorization sheet dated April 9, 1996. Authorization was provided by your signing our proposal acceptance sheet on January 29, 1996 and work authorization sheet on April 12, 1996. This report resents our understanding of the project background and objectives, our scope of services, and our findings, conclusions and recommendations.

This report is intended for the use of Emeryville Days Limited Partnership. Our services have been performed under mutually agreed upon terms and conditions. Any third party not specifically mentioned therein shall not rely upon this report except at its sole and exclusive risk and without liability to LAW and affiliates.

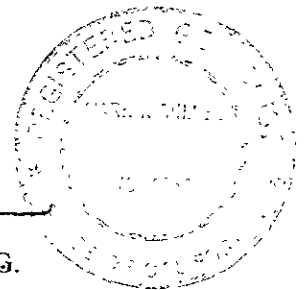
We appreciate the opportunity to be of service to you. Please call if you have any questions or if we may be of further service.

Sincerely,

LAW/CRANDALL

Andrew T. Muha
Project Geologist

Mark I. Miller, R.G., C.E.G.
Principal Geologist



**REPORT OF PHASE III ENVIRONMENTAL
SITE ASSESSMENT**

**DAYS INN HOTEL
1603 POWELL STREET
EMERYVILLE, CALIFORNIA**

Prepared for:

**EMERYVILLE DAYS LIMITED PARTNERSHIP
5820 W. Irlo Bronson Highway
Kissimmee, Florida 34746**

Prepared by:

**Law/ Crandall
San Francisco, California
Law Project No. 70424-6-0004**

May 29, 1996

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1.0 INTRODUCTION

Emeryville Days Limited Partnership retained Law/Crandall (LAW) to perform a Phase III Environmental Site Assessment at the facility located at 1603 Powell Street in Emeryville, California (Figure 1). The entire facility is currently occupied by a Days Inn Hotel. This report presents the results of our soil and groundwater characterization activities at the site consisting of soil borings, groundwater monitoring well installation and initial groundwater monitoring activities. This report includes our understanding of the project background and objectives, and provides a description of our scope of services, our findings, and our conclusions and recommendations.

2.0 BACKGROUND INFORMATION

The Days Inn site is located at 1603 Powell Street in Emeryville, California. According to a Phase I Environmental Site Assessment report for the site prepared by McLaren/Hart and dated January 18, 1993, the Days Inn facility and affiliated Days Cafe were constructed in 1985 and 1988, respectively, on a 1.58 acre parcel. The seven-story, 154-room hotel is located approximately 0.2 miles east of the San Francisco Bay and is surrounded by commercial and industrial facilities.

The only environmental concern associated with the current property usage related to a reported 1,000-gallon diesel generator underground storage tank (UST). The UST was described in the McLaren/Hart Phase I report as being located near the southeastern corner of the hotel building (Figure 2). However, when LAW conducted a site reconnaissance prior to commencing the current assessment, we confirmed that the emergency generator's fuel tank is attached beneath the emergency generator - no USTs are known to be currently present at the site. McLaren/Hart also identified several nearby properties with UST or other toxic problems as potential concerns to the subject property.

According to McLaren/Hart's Phase I report, the property was occupied by an auto freight depot from sometime prior to 1949 until the early 1980s. Environmental concerns associated with the auto freight depot included the presence of two large above-ground storage tanks (ASTs) located near the southeastern corner of the property (Figure 2). Soil stains were observed to be present around the ASTs and between

the ASTs and the freight depot building in historical aerial photographs. Nine ASTs were formerly present on the Union Oil of California distribution facility property located to the east of the site.

McLaren/Hart conducted soil and groundwater sampling at the site during March and April of 1993; the results of their Phase II assessment are provided in their report dated May 27, 1993. Prior to the commencement of the Phase II field sampling activities, McLaren/Hart confirmed that five USTs were removed from the site prior to the construction of the current hotel building. The UST cluster was located immediately west of the former ASTs, as shown on Figure 2.

McLaren/Hart installed a total of 21 soil borings at locations of interest at the site. Soil and HydropunchTM groundwater samples were collected from each boring. The borings were located along the eastern and western property boundaries, in the vicinity of the historical ASTs and USTs, and in the vicinity of the current diesel UST. Fill soils and Bay Muds were identified in the soil borings. Groundwater was encountered at a depth of approximately 7 feet below ground surface (bgs). Total petroleum hydrocarbons (TPH) consisting of motor oil, oil and grease, gasoline and/or diesel fuels, were detected at varying concentrations in all of the initial seven borings, and nearly all of the subsequent 14 borings. Benzene, ethylbenzene, toluene and total xylene (BETX) constituents were detected in soil samples from four of the borings. TPH as motor oil, oil and grease, gasoline and/or diesel fuel was detected in water samples from 10 of the 21 total borings. McLaren/Hart concluded that the distribution of soil and groundwater contaminants was complex, and could have resulted from a number of activities including surface and subsurface discharge of petroleum hydrocarbons by the previous owner, on-site migration of contaminants from the former off-site Union Oil facility, or by the use of petroleum contaminated fill soils at the site. The current on-site diesel UST reported in the McLaren/Hart Phase I report is no longer considered to represent a potential source of the identified diesel contaminants in soil and groundwater, as the UST does not appear to be present at the site.

3.0 OBJECTIVE

Our objective was to further evaluate subsurface soil and groundwater conditions at the site, and to establish a groundwater monitoring network, as a means of achieving site closure. A total of six

groundwater monitoring wells were installed to assess the extent of hydrocarbon impacts in soil and groundwater.

4.0 SCOPE OF SERVICES

Our services for this phase of the project consisted of the following activities:

- Prepared a workplan describing our proposed field activities which was submitted to the Alameda County Health Care Services on February 22, 1996 and verbally approved on April 16, 1996.
- Obtained drilling permits from the Alameda County Zone 7 Water Agency.
- Contacted Underground Service Alert (USA) for utility clearances prior to drilling. LAW also subcontracted with Cruz Brothers Utility locators to clear specific boring locations.
- Prepared a Health and Safety Plan to satisfy OSHA 29 CFR 1910.120 provisions.
- On April 17 and 18, 1996 LAW observed the advancement of 6 soil borings to depths ranging from approximately 15 to 20 feet bgs and the installation of six 2-inch diameter Schedule 40 PVC groundwater monitoring wells. The wells were intended to allow for the collection of groundwater samples. A 10 to 15 feet well screen was installed at the bottom of each well. One soil sample was retained for analysis from each boring.
- Developed the monitoring wells with a surge block and a low flow pump prior to sampling.
- Following construction, the wells were surveyed for horizontal and vertical control by a licensed surveyor relative to an established benchmark.
- Collected groundwater samples from the six monitoring wells following appropriate well purging.
- The soil and groundwater samples were analyzed for TPH as gasoline (TPH/G) using EPA Method 8015 Modified, benzene, ethylbenzene, toluene, and total xylenes (BETX) and methyl t-butyl ether (MTBE) using EPA Method 8020, TPH as diesel (TPH/D) using EPA Method 8015 Modified, TPH as motor oil (TPH/O) using EPA Method 5520, polynuclear aromatic hydrocarbons (PNAs) using EPA Method 8270, chlorinated volatile organic compounds (VOCs) using EPA Method 8010, lead by the waste extraction test (WET) using EPA Method

7420, and the metals arsenic, cadmium, chromium, nickel, and zinc using EPA Method 7060/6010.

- Prepared this report describing the field work conducted at the site, soil and groundwater conditions, and analytical results.

5.0 FIELD ASSESSMENT PROCEDURES

5.1 SOIL BORINGS ACTIVITIES

Bayland Drilling (Bayland), under subcontract to LAW, drilled six soil borings and converted them to groundwater monitoring wells on April 17 and 18, 1996. The locations of the borings are indicated on Figure 2. Copies of the well installation permits are included in Appendix A.

The borings were advanced to depths ranging from 15 to 20 feet bgs using a truck-mounted drill rig equipped with 8-inch outer diameter hollow stem augers. The materials encountered in the borings were logged in accordance with the Unified Soil Classification System by a LAW geologist. Soil samples were obtained with a California split-spoon sampler at 5-foot intervals and at significant lithologic boundaries. The soil samples were qualitatively assessed for volatile organic vapors in the field using headspace analytical techniques. We used an organic vapor analyzer (OVA) flame-ionization detector calibrated to a methane standard to conduct the headspace field analyses.

Soil samples were selected for analysis on the basis of OVA readings, visual or olfactory evidence of contamination, or the sample's location relative to the groundwater surface. Soil samples were preserved by covering the ends of the brass tubes with Teflon sheeting and plastic end caps; the samples were labeled, placed in ziplocked bags packed on ice, and transported in a thermally insulated cooler along with a Chain of Custody documentation to the California certified AEN Laboratory for analysis.

Drilling equipment were steam cleaned prior to use and between borings. Sampling equipment was thoroughly washed in a trisodium phosphate (TSP) solution or equivalent and rinsed with potable water after each use to reduce the potential for cross-contamination. Drill cuttings and water generated during

drilling, well installation, development and sampling activities has been stored on site in DOT approved 55-gallon drums, pending proper disposal.

5.2 MONITORING WELL INSTALLATION

Upon completion of drilling, the borings were converted to groundwater monitoring wells. The wells were constructed with 2-inch diameter, flush threaded, Schedule 40 PVC blank casing and 0.010-inch machine-slotted screen. Monitoring wells MW-4 and MW-6 are screened from approximately 5 to 20 feet bgs, the remaining wells are screened from approximately 5 to 15 feet bgs. A #2-12 sand pack was installed around and approximately one to two feet above the slotted interval, and an approximately 0.5 foot to 1-foot bentonite seal was placed above the sand pack and hydrated. The remaining annulus was filled with a cement-bentonite mixture. A watertight locking cap was installed on each well, and the wellheads are protected by watertight, traffic-rated Christy boxes set in concrete at the ground surface. Boring logs and well construction details are included in Appendix B.

The monitoring wells were developed and purged on April 19, 1996. The wells were developed by repeatedly surging the screened interval of each well with a 2-inch diameter vented surge block for approximately 15 minutes. Approximately 20 gallons of water was subsequently purged from each well with a low-flow pump until the discharge water ran clear.

On April 23, 1996 the wells were purged of approximately 8 to 10 gallons of water with a low-flow pump prior to sampling. Field-measured parameters of pH, temperature, and electric conductivity were recorded during the pumping to ensure that the groundwater quality stabilized prior to sampling. The wells were allowed to recover to approximately 80 percent of their static water level prior to sampling

Groundwater samples were collected from each well with a separate disposable bailer. The samples were poured into laboratory-supplied containers for analysis. The samples were then placed on ice in a thermally insulated cooler, and delivered along with chain of custody documentation to AEN Laboratory in Pleasant Hill, California.

6.0 FIELD OBSERVATIONS AND RESULTS OF LABORATORY ANALYSIS

The following sections present our findings with respect to soil and groundwater conditions, and groundwater quality.

6.1 SOIL CONDITIONS

LAW's soil boring activities indicated that soils from the ground surface to approximately 10 feet bgs consisted of fill materials such as clay, silt, sand, and gravel with pieces of brick and concrete. Bay Muds were encountered at depths greater than 10 to 12 feet bgs.

6.2 FIELD SCREENING RESULTS

The field screening activities did identify elevated concentrations of organic vapors in the samples. OVA readings ranged from 1 ppm to 330 parts per million (ppm). The higher readings were generally encountered in the soil samples collected from approximately 5 to 10 feet bgs.

6.3 GROUNDWATER CONDITIONS

The wells were surveyed for horizontal and vertical control relative to an East Bay Municipal Utility District (EBMUD) benchmark (BM). The survey was accomplished by David L. Cramer and Associates, Inc. under subcontract to LAW. The elevation of the benchmark is 11.32 feet above mean sea level. Groundwater elevation data is summarized in Table 1. Based on the depth to water measurements and the monitoring well casing elevations, groundwater beneath the subject property was calculated to flow in a northerly direction, as shown on Figure 3. Tidal forces may influence the groundwater gradient at the site.

6.4 LABORATORY ANALYSES

One soil and one groundwater sample from each of the borings (12 samples total) were submitted for analysis. Results of the laboratory analyses are included along with chain of custody documentation in Appendix C. Selected laboratory analytical results are presented below and in Tables 2, 3, 4, and 5.

6.5 LABORATORY ANALYTICAL RESULTS OF SOIL SAMPLES

The soil sample collected from boring MW-1 at 5 feet bgs did not contain TPH/G, BTEX, MTBE, TPH/D, TPH/O, PNAs, or chlorinated solvents at concentrations in excess of laboratory detection limits. Low concentrations of arsenic, lead, chromium, nickel and zinc were detected; however, cadmium was not detected in concentrations exceeding the laboratory detection limit.

The soil sample collected from boring MW-2 at 5 feet bgs did not contain TPH/G, BTEX, MTBE, TPH/D, PNAs, or chlorinated solvents at concentrations in excess of laboratory detection limits. TPH/O was detected at a concentration of 430 milligrams per kilogram (mg/kg). Low concentrations of lead, arsenic, cadmium, chromium, nickel and zinc were also detected.

The soil sample collected from boring MW-3 at 7 feet bgs did not contain TPH/G, BTEX, MTBE, TPH/D, PNAs, or chlorinated solvents at concentrations in excess of laboratory detection limits. TPH/O was detected at a concentration of 23 mg/kg. Low concentrations of arsenic, lead, chromium, nickel and zinc were detected; cadmium was not detected.

The soil sample collected from boring MW-4 at 5 feet bgs did not contain TPH/G, BTEX, MTBE, TPH/D, PNAs, or chlorinated solvents at concentrations in excess of laboratory detection limits. TPH/O was detected at a concentration of 13 mg/kg. Low concentrations of arsenic, lead, chromium, nickel and zinc were detected; cadmium was not detected.

The soil sample collected from boring MW-5 at 5 feet bgs did not contain TPH/G, BTEX, MTBE, TPH/D, PNAs, or chlorinated solvents at concentrations in excess of laboratory detection limits. TPH/O was

detected at a concentration of 390 mg/kg. Low concentrations of arsenic, lead, chromium, nickel and zinc were detected; cadmium was not detected.

The soil sample collected from boring MW-6 at 5 feet bgs did not contain TPH/G, BTEX, MTBE, TPH/D, PNAs, or chlorinated solvents at concentrations in excess of laboratory detection limits. TPH/O was detected at a concentration of 82 mg/kg. Low concentrations of arsenic, lead, chromium, nickel and zinc were detected; cadmium was not detected.

6.6 LABORATORY ANALYTICAL RESULTS OF GROUNDWATER SAMPLES

The groundwater sample collected from monitoring well MW-1 did not contain TPH/G, BTEX, MTBE, TPH/O, or chlorinated solvents at concentrations in excess of laboratory detection limits. TPH/D was detected at a concentration of 0.66 milligrams per liter (mg/L). The PNAs acenaphthene, fluorene, and phenanthrene were detected at concentrations of 85 micrograms per liter (ug/L), 15 ug/L, and 34 ug/L, respectively. Arsenic and nickel were detected at concentrations of 0.004 mg/L and 0.01 mg/L, respectively. Cadmium, chromium, lead, and zinc were not detected at concentrations in excess of laboratory detection limits.

The groundwater sample collected from monitoring well MW-2 did not contain TPH/G, BTEX, MTBE, PNAs, chlorinated solvents, or the analyzed metals at concentrations in excess of laboratory detection limits. TPH/D and TPH/O were detected at concentrations of 1.6 mg/L and 0.3 mg/L, respectively.

The groundwater sample collected from monitoring well MW-3 did not contain TPH/G, BTEX, MTBE, TPH/O, PNAs, or chlorinated solvents at concentrations in excess of laboratory detection limits. TPH/D was detected at a concentration of 0.58 mg/L. Arsenic and nickel were detected at concentrations of 0.034 mg/L and 0.02 mg/L, respectively. Lead, cadmium, chromium, and zinc were not detected.

The groundwater sample collected from monitoring well MW-4 did not contain TPH/G, BTEX, MTBE, TPH/D, TPH/O, PNAs, or chlorinated solvents at concentrations in excess of laboratory detection limits. Arsenic was detected at a concentration of 0.003 mg/L. Cadmium, chromium, lead, nickel and zinc were not detected.

The groundwater sample collected from monitoring well MW-5 did not contain TPH/G, BTEX, MTBE, TPH/O, PNAs, or chlorinated solvents at concentrations in excess of laboratory detection limits. TPH/D was detected at a concentration of 0.44 mg/L. Arsenic was detected at a concentration of 0.006 mg/L. Cadmium, chromium, lead, nickel and zinc were not detected.

The groundwater sample collected from monitoring well MW-6 did not contain TPH/G, BTEX, MTBE, TPH/O, PNAs, or chlorinated solvents at concentrations in excess of laboratory detection limits. TPH/D was detected at a concentration of 0.23 mg/L. Arsenic was detected at a concentration of 0.006 mg/L. Cadmium, chromium, lead, nickel and zinc were not detected.

7.0 CONCLUSIONS

LAW observed the installation of six monitoring wells at the Days Inn Hotel facility in Emeryville, California. We confirmed during a site reconnaissance that a diesel UST was not associated with the building's emergency generator, as previously reported by McLaren/Hart. Soil samples were collected during the installation of the monitoring wells. Groundwater samples were collected from the six wells following installation and development of the monitoring wells.

Soil boring activities indicated that soils from the ground surface to approximately 10 feet bgs consisted of fill materials consisting clay, silt, sand, and gravel with pieces of bricks and concrete. Bay Muds were encountered at depths greater than 10 to 12 feet bgs.

Based on the depth to water measurements and the monitoring well casing elevations, groundwater beneath the subject property was calculated to flow in a northerly direction. Tidal forces may influence the groundwater gradient at the site.

Soil samples collected from the monitoring well borings did not contain concentrations of TPH/G, BTEX, MTBE, TPH/D, PNAs, or chlorinated solvents. Some of the samples contained relatively low concentrations of TPH/O. The highest concentration detected was 430 mg/kg in the soil sample collected from boring MW-2 at 5 feet bgs. Low concentrations of the metals arsenic, cadmium, chromium, lead, nickel and zinc were also detected in the soil samples. The detected metals concentrations are below their

respective Preliminary Remediation Goals (PRGs) for residential properties, as promulgated by the Region IX EPA, dated September 1, 1995. PRGs have not been developed for TPH/O.

TPH/G, BTEX, MTBE, and chlorinated solvents were not detected in any of the monitoring well groundwater samples at concentrations in excess of laboratory detection limits. Groundwater samples collected from the monitoring wells indicated the presence of low concentrations (less than 2 mg/L) of TPH/D. TPH/O was detected at a concentration of 0.3 mg/L in monitoring well MW-2. The PNAs acenaphthene, fluorene, and phenanthrene were detected at concentrations of 85 ug/L, 15 ug/L, and 34 ug/L, respectively, in monitoring well MW-1; PNAs were not detected in the other monitoring wells. The detected concentrations are below their respective PRGs for residential properties, as promulgated by the Region IX EPA, dated September 1, 1995. PRGs have not been established for TPH/D or TPH/O in groundwater.

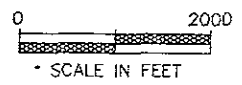
Arsenic was detected in groundwater samples collected from monitoring wells MW-1, MW-3, MW-4, MW-5, and MW-6 at concentrations up to 0.034 mg/L. The concentrations detected are above the PRGs for tap water. The detected arsenic concentrations may represent background levels; arsenic is not a constituent of concern at the site. Nickel was detected in groundwater samples collected from MW-1 and MW-3 at concentrations of 0.01 mg/L and 0.02 mg/L, respectively; the detected concentrations are below the PRGs. Cadmium, chromium, lead, and zinc were not detected in the groundwater samples at concentrations in excess of laboratory detection limits.

Based on the analytical data, it appears that relatively low levels of hydrocarbon soil and groundwater impacts from either on-site or off-site sources, including fill material, are present at the site. PNAs were also detected in groundwater collected from monitoring well MW-1 on the eastern portion of the site. Low concentrations of several metals were also detected in soil and groundwater at the site. The hydrocarbon concentrations detected during this assessment appear to be significantly lower than those detected by McLaren/Hart in their 1993 assessments.

8.0 RECOMMENDATIONS

LAW recommends that the existing monitoring wells be sampled one additional time to monitor constituent migration patterns and to evaluate variations in groundwater quality. The groundwater sample analyses should be limited to TPH/O and TPH/D. The report should be submitted to Alameda County Health Care Services.

FIGURES



SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP OF OAKLAND WEST, CALIFORNIA
DATED 1959 (PHOTOREVISED 1980).

PREPARED/DATE: A.T.M. 2/7/96
CHECKED/DATE: M.I.M. 2/7/96

EMERYVILLE DAYS
LIMITED PARTNERSHIP
KISSIMEE, FLORIDA



LAW/CRANDALL

SITE LOCATION MAP
DAYS INN HOTEL
EMERYVILLE, CALIFORNIA

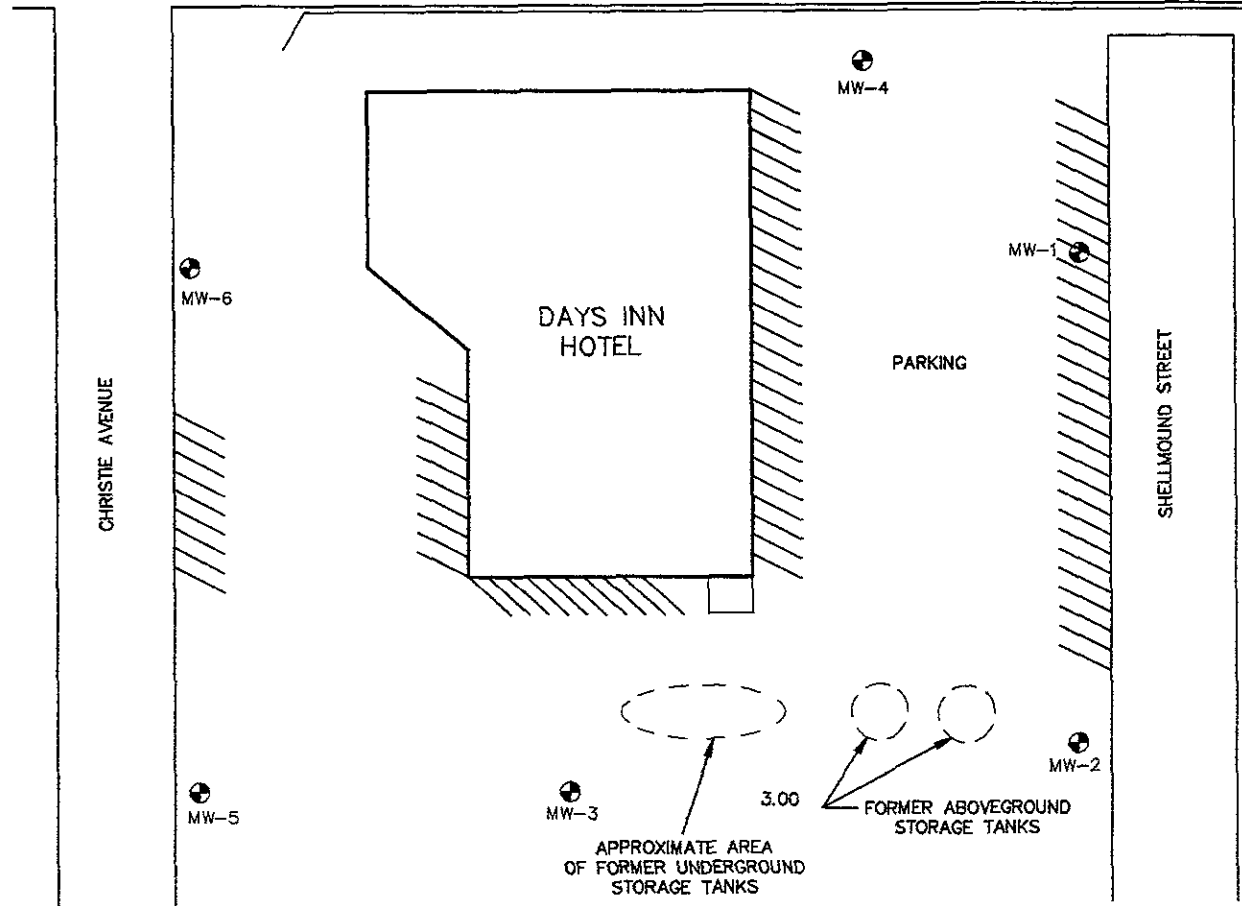
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FIGURE 1


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POWELL STREET BRIDGE




LEGEND

 MW-6
 APPROXIMATE MONITORING WELL LOCATION AND GROUNDWATER ELEVATION IN FEET ABOVE MSL 4/24/96

 DIESEL GENERATOR

 PLANTED AREA


 APPROXIMATE SCALE IN FEET

SOURCE: McLAREN HART REPORT DATED 5/26/93, LAW/CRANDALL FIELD NOTES DATED APRIL 17 AND 18, 1996, AND SURVEY BY DAVID L. CRAMER & ASSOCIATES.

PREPARED/DATE: A.T.M. 5/22/96
CHECKED/DATE: M.J.M. 5/24/96

EMERYVILLE DAYS LIMITED PARTNERSHIP
KISSIMMEE, FLORIDA



LAW/CRANDALL

SITE PLAN
DAYS INN HOTEL
EMERYVILLE, CALIFORNIA

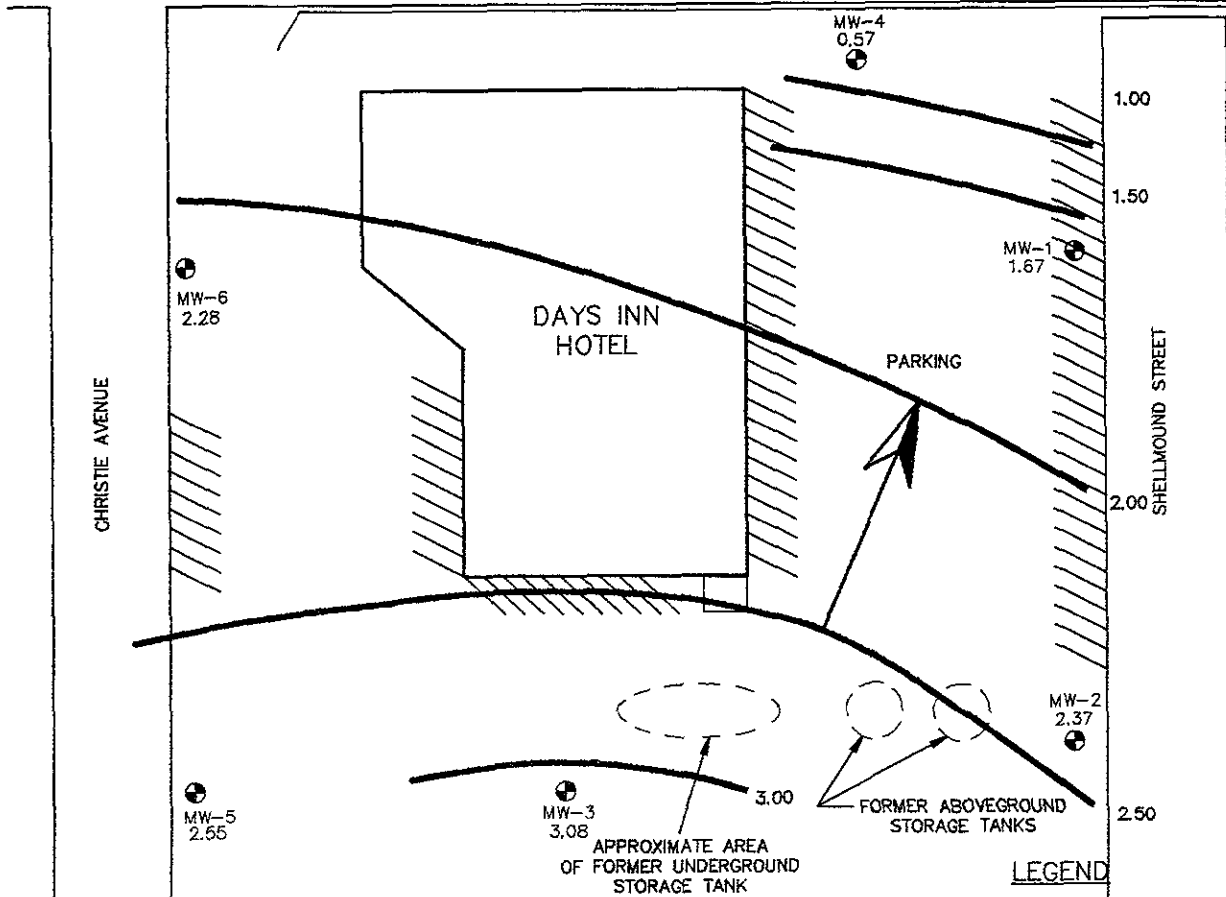
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FIGURE 2

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POWELL STREET BRIDGE



SOURCE: McLAREN HART REPORT DATED 5/26/93, LAW/CRANDALL FIELD NOTES DATED APRIL 17 AND 18, 1996, AND SURVEY BY DAVID L. CRAMER & ASSOCIATES.

PREPARED/DATE: A.T.M. 5/22/96
CHECKED/DATE: M.I.M. 5/24/96

EMERYVILLE DAYS
LIMITED PARTNERSHIP
KISSIMMEE, FLORIDA



LAW/CRANDALL

SITE PLAN WITH MONITORING
WELL LOCATIONS AND
GROUNDWATER ELEVATIONS
DAYS INN HOTEL
EMERYVILLE, CALIFORNIA

PROJECT: 70424-6-0004

FIGURE 3

DWGS/TOLLMAN 0004F3 M.A.H. 5/29/96

TABLES

Table 1: Groundwater Elevation Data

| Monitoring Well | Well Depth (feet) | Depth to Groundwater (1) (feet) | Well Casing Elevation (2) (feet) | Groundwater Elevation (2) (feet) |
|-----------------|-------------------|---------------------------------|----------------------------------|----------------------------------|
| MW-1 | 14.9 | 6.72 | 8.39 | 1.67 |
| MW-2 | 14.95 | 6.43 | 8.8 | 2.37 |
| MW-3 | 14.9 | 6.41 | 9.49 | 3.08 |
| MW-4 | 19.9 | 7.39 | 7.96 | 0.57 |
| MW-5 | 15 | 7.49 | 10.04 | 2.55 |
| MW-6 | 20 | 6.77 | 9.05 | 2.28 |

Notes:

- 1) All measured from top of PVC well casing.
- 2) Relative to feet above mean sea level (MSL) datum.

Table 2 - Summary of Soil Sample Analytical Results - TPH/G, TPH/D, TPH/O and BTEX

| Sample Number | TPH/G | TPH/D | TPH/O | Benzene | Toluene | Ethylbenzene | Xylenes |
|------------------|-------|-------|-------|---------|---------|--------------|---------|
| Laboratory Units | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg |
| MW-1 @ 5' | ND | ND | ND | ND | ND | ND | ND |
| MW-2 @ 5' | ND | ND | 430 | ND | ND | ND | ND |
| MW-3 @ 7' | ND | ND | 23 | ND | ND | ND | ND |
| MW-4 @ 5' | ND | ND | 13 | ND | ND | ND | ND |
| MW-5 @ 5' | ND | ND | 390 | ND | ND | ND | ND |
| MW-6 @ 5' | ND | ND | 82 | ND | ND | ND | ND |

Note MW-1 @ 5' - Indicates Monitoring Well Boring and Sample Depth
 mg/kg = milligrams per kilogram
 ND - Not Detected at or above laboratory detection limits

Table 3 - Summary of Soil Sample Analytical Results - Selected Metals

| Sample Number | Arsenic | Cadmium | Chromium | Lead (1) | Nickel | Zinc |
|------------------|---------|---------|----------|----------|--------|-------|
| Laboratory Units | mg/kg | mg/kg | mg/kg | mg/l | mg/kg | mg/kg |
| MW-1 @ 5' | 2 | ND | 27 | 0.1 | 32 | 46 |
| MW-2 @ 5' | 8.3 | 0.4 | 25 | 2.6 | 36 | 170 |
| MW-3 @ 7' | 1.6 | ND | 35 | 0.9 | 45 | 59 |
| MW-4 @ 5' | 4.9 | ND | 29 | 0.3 | 35 | 35 |
| MW-5 @ 5' | 1.8 | ND | 27 | 2.1 | 23 | 46 |
| MW-6 @ 5' | 1.4 | ND | 23 | 4.6 | 13 | 31 |

Note MW-1 @ 5- Indicates Monitoring Well Boring and Sample Depth
 mg/kg = milligrams per kilogram
 mg/l = milligrams per liter
 (1) = Analyzed using California WET
 ND - Not Detected at or above laboratory detection limits

Table 4 - Summary of Groundwater Analytical Results - TPH/G, TPH/D, TPH/O and BTEX

| Monitoring Well No. | TPH/G | TPH/D | TPH/O | Benzene | Toluene | Ethylbenzene | Xylenes | <u>MTBG</u> |
|---------------------|-------|-------|-------|---------|---------|--------------|---------|-------------|
| Laboratory Units | mg/L | mg/L | mg/L | ug/l | ug/l | ug/L | ug/L | |
| MW-1 | ND | 0.66 | ND | ND | ND | ND | ND | ND |
| MW-2 | ND | 1.6 | 0.3 | ND | ND | ND | ND | ND |
| MW-3 | ND | 0.58 | ND | ND | ND | ND | ND | ND |
| MW-4 | ND | ND | ND | ND | ND | ND | ND | ND |
| MW-5 | ND | 0.44 | ND | ND | ND | ND | ND | ND |
| MW-6 | ND | 0.23 | ND | ND | ND | ND | ND | ND |

Note MW-1 - Indicates Monitoring Well No. 1
 mg/l = milligrams per liter
 ug/l = micrograms per liter
 ND - Not Detected at or above laboratory detection limits

Table 5 - Summary of Groundwater Analytical Results - Selected Metals

| Monitoring Well No. | Arsenic | Cadmium | Chromium | Lead | Nickel | Zinc |
|---------------------|---------|---------|----------|------|--------|------|
| Laboratory Units | mg/l | mg/l | mg/l | mg/l | mg/l | mg/l |
| MW-1 | 0.004 | ND | ND | ND | 0.01 | ND |
| MW-2 | ND | ND | ND | ND | ND | ND |
| MW-3 | 0.034 | ND | ND | ND | 0.02 | ND |
| MW-4 | 0.003 | ND | ND | ND | ND | ND |
| MW-5 | 0.006 | ND | ND | ND | ND | ND |
| MW-6 | 0.006 | ND | ND | ND | ND | ND |

Note MW-1 - Indicates Monitoring Well No. 1
mg/l = milligrams per liter
ND - Not Detected at or above laboratory detection limits

APPENDIX A

PERMITS



ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

5997 PARKSIDE DRIVE PLEASANTON, CALIFORNIA 94588 (415) 484-2600

GROUNDWATER PROTECTION ORDINANCE PERMIT APPLICATION

Fax 510-462-3914

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT Days Inn Hotel, 1603 Powell Street, Emeryville, California

PERMIT NUMBER 96274, LOCATION NUMBER

CLIENT Name Emeryville Days Limited Partnership, Address 5020 W. 5th Avenue, City Kissimmee Florida Zip 34746

PERMIT CONDITIONS

Circled Permit Requirements Apply

APPLICANT Name L. W. Connolly, Address 875 Battery St., City San Francisco, CA Zip 94114

TYPE OF PROJECT: Well Construction, Geotechnical Investigation, Cathodic Protection, General, Water Supply, Contamination, Monitoring, Well Destruction

PROPOSED WATER SUPPLY WELL USE: Domestic, Industrial, Other, Municipal, Irrigation

DRILLING METHOD: Rotary, Air Rotary, Auger, Other

DRILLER'S LICENSE NO. # 374152

WELL PROJECTS: Drill Hole Diameter 8 in., Casing Diameter 2 in., Surface Seal Depth 3 ft., Maximum Depth 20 ft., Number 6

GEOTECHNICAL PROJECTS: Number of Borings, Hole Diameter, Maximum Depth

ESTIMATED STARTING DATE 4/15/96, ESTIMATED COMPLETION DATE 5/15/96

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-58.

APPLICANT'S SIGNATURE Andrew T. Moka, Date 4/3/96

- A. GENERAL: 1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date. 2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well projects, or drilling logs and location sketch for geotechnical projects. 3. Permit is void if project not begun within 90 days of approval date. B. WATER WELLS, INCLUDING PIEZOMETERS: 1. Minimum surface seal thickness is two inches of cement grout placed by tremie. 2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved. C. GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. D. CATHODIC. Fill hole above anode zone with concrete placed by tremie. E. WELL DESTRUCTION. See attached.

Approved Wyman Hong, Date 12 Apr 96, Signature Wyman Hong

APPENDIX B
BORING LOGS

MW-1 TEST BORING RECORD

| DEPTH (FEET) | DESCRIPTION | LITH | S | DIAGRAM | MATERIALS | OVA READINGS ppm |
|--------------|--|------|---|---------|--|------------------|
| 0.0 | ASPHALT AND BASEROCK | | | | Watertight vault and locking well cap | |
| 1.0 | FILL, GRAVELLY CLAY (CL): Brown, grey to dark grey, 70% moderately plastic fines, 15% fine gravel, 15% fine sand, some brick material, moist, no unusual odors or soil discoloration | | | | Cement/Bentonite Grout 2" dia. PVC blank schedule 40 casing bentonite seal | |
| | | | | | #2-12 filter sand | 280 |
| 10.0 | GRAVELLY SILT (ML): Light brown to tan, some grey, 80% moderately plastic fines, 15% fine gravel, 5% fine sand, moist, firm, slight hydrocarbon odor, no soil discoloration | | | | 2" dia. PVC slotted schedule 40 casing (0.01 inch slots) | 95 |
| 15.0 | Boring terminated at 15.00 feet | | | ↓ | pointed end cap | 4.5 |

REMARKS:

- 1) Borings advanced using 8-inch diameter hollow stem augers.
- 2) ☹ = Groundwater encountered at a depth of approximately 7 feet bgs.
- 3) ☹ = Groundwater stabilized at a depth of 6.72 bgs.
- 4) Lith = Soil Lithology
- 5) S = Soil sample collected for analysis

DRILLED BY
LOGGED BY
CHECKED BY

BAYLAND
ATM
MIM

BORING NUMBER
DATE STARTED
DATE COMPLETED
JOB NUMBER

MW-1
4/17/96
4/17/96
70424-6-0004



MW-2 TEST BORING RECORD

| DEPTH (FEET) | DESCRIPTION | LITH | S | DIAGRAM | MATERIALS | OVA READINGS ppm |
|--------------|--|------|---|---------|--|------------------|
| 0.0 | ASPHALT AND BASEROCK | | | | Watertight vault and locking well cap | |
| 1.0 | FILL, BASEROCK WITH SANDY SILT (ML): Dark brown, 50% moderately plastic fines, 30% angular gravel, 20% fine to medium sand, slightly moist, no unusual odors or soil discoloration. | | | | Cement/bentonite grout | |
| 4.0 | FILL, SANDY CLAY (CL): Dark brown to black, 70% moderately plastic fines, 15% fine sand, 15% gravels and concrete, brick material, moist, slight hydrocarbon odor, no soil discoloration | | | | 2" dia. PVC blank schedule 40 casing bentonite seal | |
| 12.0 | SANDY SILT (ML): Light brown, some grey mottling, 90% moderately plastic fines, 10% fine sand, trace gravel, moist, firm, no unusual odors or soil discoloration | | | | #2/12 sand | 1.0 |
| 15.0 | Boring terminated at 15.00 feet | | | | 2" dia. PVC slotted schedule 40 casing (0.01 inch slots) | 200 |
| | | | | | pointed end cap | 3.4 |

REMARKS:

- 1) Borings advanced using 8-inch hollow stem augers.
- 2) \equiv = Groundwater encountered at a depth of approximately 6.5 feet bgs
- 3) \equiv = Groundwater stabilized at a depth of approximately 6.5 feet bgs
- 4) Lith = Soil lithology
- 5) S = Soil sample collected for analysis

DRILLED BY
LOGGED BY
CHECKED BY

BAYLANDS BORING NUMBER
ATM DATE STARTED
MIM DATE COMPLETED
JOB NUMBER

MW-2
4/18/96
4/18/96
70424-6-0004



MW-3 TEST BORING RECORD

| DEPTH (FEET) | DESCRIPTION | LITH | S | DIAGRAM | MATERIALS | OVA READINGS ppm |
|--------------|---|------|---|---------|--|------------------|
| 0.0 | ASPHALT AND BASEROCK | | | | Watertight vault and locking well cap | |
| 1.0 | FILL, SANDY CLAY (CL): Dark brown to black, 80% moderately plastic fines, 10% fine sand, 10% coarse gravel and brick fragments, moist, no unusual odors or soil discoloration | | | | Cement/Bentonite Grout | |
| | | | | | 2" dia. PVC blank schedule 40 casing bentonite seal | |
| | NOTE: BRICK FRAGMENTS AND CONCRETE IN FILL SOIL | | | | | 110 |
| | | | | | #2-12 filter sand | |
| | NOTE: COLOR CHANGE TO BLACK, SLIGHT ORGANIC ODOR IN SOIL | | | | | |
| | | | | | 2" dia. PVC slotted schedule 40 casing (0.01 inch slots) | 330 |
| 13.0 | SANDY SILT (ML): Tan with grey mottling, 90% moderately plastic fines, 10% fine sand, moist, firm, no unusual odors or soil discoloration | | | | | |
| 15.0 | Boring terminated at 15.00 feet | | | | pointed end cap | 16 |

REMARKS:

- 1) Borings advanced using 8-inch diameter hollow stem augers
- 2) ☹ = Groundwater encountered at a depth of approximately 7 feet bgs.
- 3) ☹ = Groundwater stabilized at a depth of 6.4 feet bgs
- 4) Lith = Soil lithology
- 5) S = Soil sample collected for analysis

DRILLED BY
LOGGED BY
CHECKED BY

BAYLANDS BORING NUMBER
ATM DATE STARTED
MIM DATE COMPLETED
JOB NUMBER

MW-3
4/18/96
4/18/96
70424-6-0004



MW-4 TEST BORING RECORD

| DEPTH (FEET) | DESCRIPTION | LITH | S | DIAGRAM | MATERIALS | OVA READINGS ppm |
|-----------------|---|------|---|---------|---|---------------------|
| 0.0 | ASPHALT AND BASEROCK | | | | Watertight vault and locking well cap | |
| 1.0 | FILL, GRAVELLY SILT (ML): Grey brown to dark brown, 85% moderately plastic fines, 15% fine gravel, trace sand, moist, no unusual odors or soil discoloration. | | | | Cement/bentonite grout | |
| 3.5 | FILL, SANDY CLAY (CL): Dark grey to black, 80% moderately plastic fines, 10% fine sand, 10% angular gravel, moist, firm, no unusual odors or soil discoloration | | | | 2" dia. PVC blank schedule 40 casing bentonite seal | 220 |
| | | | | | #2-12 filter sand | 300 |
| 13.0 | SANDY SILT (ML): Tan to medium brown, some rust color, 80% moderately plastic fines, 20% fine sand, moist, no unusual odors or soil discoloration | | | | 2" dia. PVC slotted schedule 40 casing (0.01 inch slots) | 2 |
| 16.0 | SILTY CLAY (CL): Light grey brown, some rust color, 95% moderately plastic fines, trace fine sand, moist, no unusual odors or soil discoloration | | | | | |
| 20.0 | Boring terminated at 20.00 feet | | | ▼ | pointed end cap | 1 |

REMARKS:

- 1) Borings advanced using 8-inch diameter hollow stem augers.
- 2) ☹ = Groundwater encountered at a depth of approximately 6.5 feet bgs.
- 3) ☹☹ = Groundwater stabilized at a depth of 7.4 feet bgs.
- 4) Lith = Soil lithology
- 5) S = Soil sample collected for analysis

DRILLED BY
LOGGED BY
CHECKED BY

BAYLANDS BORING NUMBER
ATM DATE STARTED
MIM DATE COMPLETED
JOB NUMBER

MW-4
4/17/96
4/17/96
70424-6-0004



MW-5 TEST BORING RECORD

| DEPTH (FEET) | DESCRIPTION | LITH | S | DIAGRAM | MATERIALS | OVA READINGS ppm |
|--------------|---|------|---|---------|--|------------------|
| 0.0 | ASPHALT AND BASEROCK | | | | watertight vault and locking well cap | |
| 1.0 | FILL, SANDY CLAY (CL): Dark grey brown to black, 80% moderately plastic fines, 10% fine sand, 10% gravel, brick fragments, some wood fragments, no unusual odors or soil discoloration. | | | | Cement/Bentonite Grout | |
| | | | | | 2" dia. PVC blank schedule 40 casing | |
| | | | | | bentonite seal | |
| 7.0 | FILL, SILTY SAND (SM): Dark grey to black, 75% fine to medium sand, 15% silt, 10% gravel with brick and concrete fragments, wet, no unusual odors or soil discoloration | | | | #2-12 filter sand | 210 |
| | | | | | 2" dia. PVC slotted schedule 40 casing (0.01 inch slots) | 190 |
| 12.0 | SANDY SILT (ML): Tan with grey mottling, 90% moderately plastic fines, 10% fine sand, moist, firm, no unusual odors or soil discoloration | | | | | |
| | | | | | | |
| 15.0 | Boring terminated at 15.00 feet | | | ↓ | pointed end cap | 31 |

REMARKS:

- 1) Borings advanced using 8-inch diameter hollow stem augers.
- 2) ≡ = Groundwater encountered at a depth of approximately 6.5 feet bgs.
- 3) ≡ = Groundwater stabilized at a depth of 7.49 feet bgs.
- 4) Lith = Soil lithology
- 5) S = Soil sample collected for analysis

DRILLED BY
LOGGED BY
CHECKED BY

BAYLANDS BORING NUMBER
ATM
MIM
DATE STARTED
DATE COMPLETED
JOB NUMBER

MW-5
4/18/96
4/18/96
70424-6-0004



MW-6 TEST BORING RECORD

| DEPTH (FEET) | DESCRIPTION | LITH | S | DIAGRAM | MATERIALS | OVA READINGS ppm |
|-----------------|---|------|---|---------|--|---------------------|
| 0.0 | ASPHALT AND BASEROCK | | | | Watertight vault and locking well cap | |
| 1.0 | FILL, GRAVELLY SANDY SILT (ML): Medium brown, 80% moderately plastic fines, 15% fine to medium angular gravel, 5% fine sand, some brick fragments, moist, no unusual odors or soil discoloration. | | | | Cement/Bentonite Grout 2" dia. PVC blank schedule 40 casing | |
| 3.0 | FILL, SAND (SP) Brown to grey, fine sand, moist, no unusual odors or soil discoloration. | | | | Bentonite Seal | |
| 4.0 | FILL, GRAVELLY SILTY SAND (SW): Medium to dark brown, some grey, some brick, 60% medium sand, 20% angular gravel to 1/2", 20% moderately plastic fines, moist, no unusual odors or soil discoloration | | | | | 1.0 |
| 9.0 | FILL, SANDY CLAY (CL): grey to greenish grey, 80% moderately plastic fines, 15% fine sand, trace to 5% fine gravel, some brick material, wet, no unusual odors or soil discoloration | | | | | 30 |
| 12.0 | SANDY SILT (ML): Dark grey to black, 80% low plasticity fines, 20% fine sand, trace fine gravel, wet, slight organic odor, no soil discoloration. | | | | 2" dia. PVC slotted schedule 40 casing | |
| 15.0 | SILTY CLAY (CL): Greenish grey with light brown, 95% moderately plastic fines, trace to 5% fine sand, moist, firm, no unusual odors or soil discoloration. | | | | | 20 |
| 20.0 | Boring terminated at 20.00 feet | | | | pointed end cap | 4 |

REMARKS:

- 1) Borings advanced using 8-inch diameter hollow stem augers
- 2) ≡ = Groundwater encountered at a depth of approximately 6 feet bgs.
- 3) ≡ = Groundwater stabilized at a depth of 6.77 feet bgs.
- 4) Lith = Soil lithology
- 5) S = Soil sample collected for analysis

DRILLED BY
LOGGED BY
CHECKED BY

BAYLANDS BORING NUMBER
ATM DATE STARTED
MIM DATE COMPLETED
JOB NUMBER

MW-6
4/17/96
4/17/96
70424-6-0004



APPENDIX C
LABORATORY ANALYTICAL REPORT

American Environmental Network

Certificate of Analysis

DOHS Certification: 1172

ALHA Accreditation: 11134

PAGE 1

LAW/CRANDALL, INC.
875 BATTERY ST.
SAN FRANCISCO, CA 94111-1513

REPORT DATE: 05/08/96

DATE(S) SAMPLED: 04/17/96-04/18/96

DATE RECEIVED: 04/18/96

ATTN: ANDREW T. MUHA
CLIENT PROJ. ID: 70424-6-0004
CLIENT PROJ. NAME: DAYS INN

AEN WORK ORDER: 9604258

PROJECT SUMMARY:

On April 18, 1996, this laboratory received 20 soil sample(s).

Client requested 6 sample(s) be analyzed for chemical parameters; fourteen samples were placed on hold. Results of analysis are summarized on the following page(s). Please see quality control report for a summary of QC data pertaining to this project.

Samples will be stored for 30 days after completion of analysis, then disposed of in accordance with State and Federal regulations. Samples may be archived by prior arrangement.

If you have any questions, please contact Client Services at (510) 930-9090.

William Srobona, for
Larry Klein
Laboratory Director

LAW/CRANDALL, INC.

SAMPLE ID: MW1 @ 5'
 AEN LAB NO: 9604258-01
 AEN WORK ORDER: 9604258
 CLIENT PROJ. ID: 70424-6-0004

DATE SAMPLED: 04/17/96
 DATE RECEIVED: 04/18/96
 REPORT DATE: 05/08/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|----------------------------|-----------------|--------|--------------------|------------|------------------|
| #CA Waste Extraction | CA Title 22 | - | | Extrn Date | 04/23/96 |
| BTEX & Gasoline HCs | EPA 8020 | | | | |
| Benzene | 71-43-2 | ND | 5 ug/kg | | 04/26/96 |
| Toluene | 108-88-3 | ND | 5 ug/kg | | 04/26/96 |
| Ethylbenzene | 100-41-4 | ND | 5 ug/kg | | 04/26/96 |
| Xylenes, Total | 1330-20-7 | ND | 5 ug/kg | | 04/26/96 |
| Purgeable HCs as Gasoline | 5030/GCFID | ND | 0.2 mg/kg | | 04/26/96 |
| Methyl t-Butyl Ether | EPA 8020 | ND | 50 ug/kg | | 04/26/96 |
| #Extraction for TPH | EPA 3550 | - | | Extrn Date | 04/24/96 |
| TPH as Diesel | GC-FID | ND | 1 mg/kg | | 04/26/96 |
| TPH as Oil | GC-FID | ND | 5 mg/kg | | 04/26/96 |
| Lead in WET Extract | EPA 7420 | 0.1 * | 0.1 mg/L | | 04/29/96 |
| #Digestion, Metals by GFAA | EPA 3050 | - | | Prep Date | 04/23/96 |
| Arsenic | EPA 7060 | 2.0 * | 0.5 mg/kg | | 04/24/96 |
| #Digestion, Metals AA/ICP | EPA 3050 | - | | Prep Date | 04/23/96 |
| Cadmium | EPA 6010 | ND | 0.2 mg/kg | | 04/24/96 |
| Chromium | EPA 6010 | 27 * | 0.5 mg/kg | | 04/24/96 |
| Nickel | EPA 6010 | 32 * | 1 mg/kg | | 04/24/96 |
| Zinc | EPA 6010 | 46 * | 1 mg/kg | | 04/24/96 |
| #Extraction for PNAs | EPA 3550 | - | | Extrn Date | 04/24/96 |
| PNAs by EPA 8270 | EPA 8270 | | | | |
| Acenaphthene | 83-32-9 | ND | 330 ug/kg | | 05/03/96 |
| Acenaphthylene | 208-96-8 | ND | 330 ug/kg | | 05/03/96 |
| Anthracene | 120-12-7 | ND | 330 ug/kg | | 05/03/96 |
| Benzo(a)anthracene | 56-55-3 | ND | 330 ug/kg | | 05/03/96 |
| Benzo(b)fluoranthene | 205-99-2 | ND | 330 ug/kg | | 05/03/96 |
| Benzo(k)fluoranthene | 207-08-9 | ND | 330 ug/kg | | 05/03/96 |

LAW/CRANDALL, INC.

SAMPLE ID: MW1 @ 5'
 AEN LAB NO: 9604258-01
 AEN WORK ORDER: 9604258
 CLIENT PROJ. ID: 70424-6-0004

DATE SAMPLED: 04/17/96
 DATE RECEIVED: 04/18/96
 REPORT DATE: 05/08/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|-------------------------------|-----------------|--------|--------------------|-------|------------------|
| Benzo(g,h,i)perylene | 191-24-2 | ND | 330 | ug/kg | 05/03/96 |
| Benzo(a)pyrene | 50-32-8 | ND | 330 | ug/kg | 05/03/96 |
| Chrysene | 218-01-9 | ND | 330 | ug/kg | 05/03/96 |
| Dibenzo(a,h)anthracene | 53-70-3 | ND | 330 | ug/kg | 05/03/96 |
| Fluoranthene | 206-44-0 | ND | 330 | ug/kg | 05/03/96 |
| Fluorene | 86-73-7 | ND | 330 | ug/kg | 05/03/96 |
| Indeno(1,2,3-cd)pyrene | 193-39-5 | ND | 330 | ug/kg | 05/03/96 |
| Naphthalene | 91-20-3 | ND | 330 | ug/kg | 05/03/96 |
| Phenanthrene | 85-01-8 | ND | 330 | ug/kg | 05/03/96 |
| Pyrene | 129-00-0 | ND | 330 | ug/kg | 05/03/96 |
| EPA 8010 - Soil matrix | EPA 8010 | | | | |
| Bromodichloromethane | 75-27-4 | ND | 5 | ug/kg | 04/25/96 |
| Bromoform | 75-25-2 | ND | 5 | ug/kg | 04/25/96 |
| Bromomethane | 74-83-9 | ND | 20 | ug/kg | 04/25/96 |
| Carbon Tetrachloride | 56-23-5 | ND | 5 | ug/kg | 04/25/96 |
| Chlorobenzene | 108-90-7 | ND | 5 | ug/kg | 04/25/96 |
| Chloroethane | 75-00-3 | ND | 20 | ug/kg | 04/25/96 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | ND | 5 | ug/kg | 04/25/96 |
| Chloroform | 67-66-3 | ND | 5 | ug/kg | 04/25/96 |
| Chloromethane | 74-87-3 | ND | 20 | ug/kg | 04/25/96 |
| Dibromochloromethane | 124-48-1 | ND | 5 | ug/kg | 04/25/96 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | 5 | ug/kg | 04/25/96 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | 5 | ug/kg | 04/25/96 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | 5 | ug/kg | 04/25/96 |
| Dichlorodifluoromethane | 75-71-8 | ND | 20 | ug/kg | 04/25/96 |
| 1,1-Dichloroethane | 75-34-3 | ND | 5 | ug/kg | 04/25/96 |
| 1,2-Dichloroethane | 107-06-2 | ND | 5 | ug/kg | 04/25/96 |
| 1,1-Dichloroethene | 75-35-4 | ND | 5 | ug/kg | 04/25/96 |
| cis-1,2-Dichloroethene | 156-59-2 | ND | 5 | ug/kg | 04/25/96 |
| trans-1,2-Dichloroethene | 156-60-5 | ND | 5 | ug/kg | 04/25/96 |
| 1,2-Dichloropropane | 78-87-5 | ND | 5 | ug/kg | 04/25/96 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | 5 | ug/kg | 04/25/96 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | 5 | ug/kg | 04/25/96 |
| Methylene Chloride | 75-09-2 | ND | 20 | ug/kg | 04/25/96 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | 5 | ug/kg | 04/25/96 |
| Tetrachloroethene | 127-18-4 | ND | 5 | ug/kg | 04/25/96 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 5 | ug/kg | 04/25/96 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 5 | ug/kg | 04/25/96 |
| Trichloroethene | 79-01-6 | ND | 5 | ug/kg | 04/25/96 |
| Trichlorofluoromethane | 75-69-4 | ND | 20 | ug/kg | 04/25/96 |
| 1,1,2Trichlorotrifluoroethane | 76-13-1 | ND | 5 | ug/kg | 04/25/96 |
| Vinyl Chloride | 75-01-4 | ND | 20 | ug/kg | 04/25/96 |

LAW/CRANDALL, INC.

SAMPLE ID: MW1 @ 5'
AEN LAB NO: 9604258-01
AEN WORK ORDER: 9604258
CLIENT PROJ. ID: 70424-6-0004

DATE SAMPLED: 04/17/96
DATE RECEIVED: 04/18/96
REPORT DATE: 05/08/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------|-----------------|--------|--------------------|-------|------------------|
|---------|-----------------|--------|--------------------|-------|------------------|

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

LAW/CRANDALL, INC.

SAMPLE ID: MW2 @ 5'
 AEN LAB NO: 9604258-04
 AEN WORK ORDER: 9604258
 CLIENT PROJ. ID: 70424-6-0004

DATE SAMPLED: 04/18/96
 DATE RECEIVED: 04/18/96
 REPORT DATE: 05/08/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|----------------------------|-----------------|--------|--------------------|------------|------------------|
| #CA Waste Extraction | CA Title 22 | - | | Extrn Date | 04/23/96 |
| BTEX & Gasoline HCs | EPA 8020 | | | | |
| Benzene | 71-43-2 | ND | 5 ug/kg | | 04/27/96 |
| Toluene | 108-88-3 | ND | 5 ug/kg | | 04/27/96 |
| Ethylbenzene | 100-41-4 | ND | 5 ug/kg | | 04/27/96 |
| Xylenes, Total | 1330-20-7 | ND | 5 ug/kg | | 04/27/96 |
| Purgeable HCs as Gasoline | 5030/GCFID | ND | 0.2 mg/kg | | 04/27/96 |
| Methyl t-Butyl Ether | EPA 8020 | ND | 50 ug/kg | | 04/27/96 |
| #Extraction for TPH | EPA 3550 | - | | Extrn Date | 04/24/96 |
| TPH as Diesel | GC-FID | ND | 5 mg/kg | | 04/26/96 |
| TPH as Oil | GC-FID | 430 * | 20 mg/kg | | 04/26/96 |
| Lead in WET Extract | EPA 7420 | 2.6 * | 0.1 mg/L | | 04/29/96 |
| #Digestion, Metals by GFAA | EPA 3050 | - | | Prep Date | 04/23/96 |
| Arsenic | EPA 7060 | 8.3 * | 0.5 mg/kg | | 04/24/96 |
| #Digestion, Metals AA/ICP | EPA 3050 | - | | Prep Date | 04/23/96 |
| Cadmium | EPA 6010 | 0.4 * | 0.2 mg/kg | | 04/24/96 |
| Chromium | EPA 6010 | 25 * | 0.5 mg/kg | | 04/24/96 |
| Nickel | EPA 6010 | 36 * | 1 mg/kg | | 04/24/96 |
| Zinc | EPA 6010 | 170 * | 1 mg/kg | | 04/24/96 |
| #Extraction for PNAs | EPA 3550 | - | | Extrn Date | 04/24/96 |
| PNAs by EPA 8270 | EPA 8270 | | | | |
| Acenaphthene | 83-32-9 | ND | 66000 ug/kg | | 05/03/96 |
| Acenaphthylene | 208-96-8 | ND | 66000 ug/kg | | 05/03/96 |
| Anthracene | 120-12-7 | ND | 66000 ug/kg | | 05/03/96 |
| Benzo(a)anthracene | 56-55-3 | ND | 66000 ug/kg | | 05/03/96 |
| Benzo(b)fluoranthene | 205-99-2 | ND | 66000 ug/kg | | 05/03/96 |
| Benzo(k)fluoranthene | 207-08-9 | ND | 66000 ug/kg | | 05/03/96 |

LAW/CRANDALL, INC.

SAMPLE ID: MW2 @ 5'
 AEN LAB NO: 9604258-04
 AEN WORK ORDER: 9604258
 CLIENT PROJ. ID: 70424-6-0004

DATE SAMPLED: 04/18/96
 DATE RECEIVED: 04/18/96
 REPORT DATE: 05/08/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|-------------------------------|-----------------|--------|--------------------|-------|------------------|
| Benzo(g,h,i)perylene | 191-24-2 | ND | 66000 | ug/kg | 05/03/96 |
| Benzo(a)pyrene | 50-32-8 | ND | 66000 | ug/kg | 05/03/96 |
| Chrysene | 218-01-9 | ND | 66000 | ug/kg | 05/03/96 |
| Dibenzo(a,h)anthracene | 53-70-3 | ND | 66000 | ug/kg | 05/03/96 |
| Fluoranthene | 206-44-0 | ND | 66000 | ug/kg | 05/03/96 |
| Fluorene | 86-73-7 | ND | 66000 | ug/kg | 05/03/96 |
| Indeno(1,2,3-cd)pyrene | 193-39-5 | ND | 66000 | ug/kg | 05/03/96 |
| Naphthalene | 91-20-3 | ND | 66000 | ug/kg | 05/03/96 |
| Phenanthrene | 85-01-8 | ND | 66000 | ug/kg | 05/03/96 |
| Pyrene | 129-00-0 | ND | 66000 | ug/kg | 05/03/96 |
| EPA 8010 - Soil matrix | EPA 8010 | | | | |
| Bromodichloromethane | 75-27-4 | ND | 5 | ug/kg | 04/25/96 |
| Bromoform | 75-25-2 | ND | 5 | ug/kg | 04/25/96 |
| Bromomethane | 74-83-9 | ND | 20 | ug/kg | 04/25/96 |
| Carbon Tetrachloride | 56-23-5 | ND | 5 | ug/kg | 04/25/96 |
| Chlorobenzene | 108-90-7 | ND | 5 | ug/kg | 04/25/96 |
| Chloroethane | 75-00-3 | ND | 20 | ug/kg | 04/25/96 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | ND | 5 | ug/kg | 04/25/96 |
| Chloroform | 67-66-3 | ND | 5 | ug/kg | 04/25/96 |
| Chloromethane | 74-87-3 | ND | 20 | ug/kg | 04/25/96 |
| Dibromochloromethane | 124-48-1 | ND | 5 | ug/kg | 04/25/96 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | 5 | ug/kg | 04/25/96 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | 5 | ug/kg | 04/25/96 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | 5 | ug/kg | 04/25/96 |
| Dichlorodifluoromethane | 75-71-8 | ND | 20 | ug/kg | 04/25/96 |
| 1,1-Dichloroethane | 75-34-3 | ND | 5 | ug/kg | 04/25/96 |
| 1,2-Dichloroethane | 107-06-2 | ND | 5 | ug/kg | 04/25/96 |
| 1,1-Dichloroethene | 75-35-4 | ND | 5 | ug/kg | 04/25/96 |
| cis-1,2-Dichloroethene | 156-59-2 | ND | 5 | ug/kg | 04/25/96 |
| trans-1,2-Dichloroethene | 156-60-5 | ND | 5 | ug/kg | 04/25/96 |
| 1,2-Dichloropropane | 78-87-5 | ND | 5 | ug/kg | 04/25/96 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | 5 | ug/kg | 04/25/96 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | 5 | ug/kg | 04/25/96 |
| Methylene Chloride | 75-09-2 | ND | 20 | ug/kg | 04/25/96 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | 5 | ug/kg | 04/25/96 |
| Tetrachloroethene | 127-18-4 | ND | 5 | ug/kg | 04/25/96 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 5 | ug/kg | 04/25/96 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 5 | ug/kg | 04/25/96 |
| Trichloroethene | 79-01-6 | ND | 5 | ug/kg | 04/25/96 |
| Trichlorofluoromethane | 75-69-4 | ND | 20 | ug/kg | 04/25/96 |
| 1,1,2Trichlorotrifluoroethane | 76-13-1 | ND | 5 | ug/kg | 04/25/96 |
| Vinyl Chloride | 75-01-4 | ND | 20 | ug/kg | 04/25/96 |

LAW/CRANDALL, INC.

SAMPLE ID: MW2 @ 5'
AEN LAB NO: 9604258-04
AEN WORK ORDER: 9604258
CLIENT PROJ. ID: 70424-6-0004

DATE SAMPLED: 04/18/96
DATE RECEIVED: 04/18/96
REPORT DATE: 05/08/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------|-----------------|--------|--------------------|-------|------------------|
|---------|-----------------|--------|--------------------|-------|------------------|

RL elevated for diesel due to high levels of target compounds;RLs elevated for EPA 8270 due to high levels of non-target compounds. Sample run at dilution.

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

LAW/CRANDALL, INC.

SAMPLE ID: MW3 @ 7'
 AEN LAB NO: 9604258-07
 AEN WORK ORDER: 9604258
 CLIENT PROJ. ID: 70424-6-0004

DATE SAMPLED: 04/18/96
 DATE RECEIVED: 04/18/96
 REPORT DATE: 05/08/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|----------------------------|-----------------|--------|--------------------|------------|------------------|
| #CA Waste Extraction | CA Title 22 | - | | Extrn Date | 04/23/96 |
| BTEX & Gasoline HCs | EPA 8020 | | | | |
| Benzene | 71-43-2 | ND | 5 ug/kg | | 04/26/96 |
| Toluene | 108-88-3 | ND | 5 ug/kg | | 04/26/96 |
| Ethylbenzene | 100-41-4 | ND | 5 ug/kg | | 04/26/96 |
| Xylenes, Total | 1330-20-7 | ND | 5 ug/kg | | 04/26/96 |
| Purgeable HCs as Gasoline | 5030/GCFID | ND | 0.2 mg/kg | | 04/26/96 |
| Methyl t-Butyl Ether | EPA 8020 | ND | 50 ug/kg | | 04/26/96 |
| #Extraction for TPH | EPA 3550 | - | | Extrn Date | 04/24/96 |
| TPH as Diesel | GC-FID | ND | 1 mg/kg | | 04/26/96 |
| TPH as Oil | GC-FID | 23 * | 5 mg/kg | | 04/26/96 |
| Lead in WET Extract | EPA 7420 | 0.9 * | 0.1 mg/L | | 04/29/96 |
| #Digestion, Metals by GFAA | EPA 3050 | - | | Prep Date | 04/24/96 |
| Arsenic | EPA 7060 | 1.6 * | 0.5 mg/kg | | 04/25/96 |
| #Digestion, Metals AA/ICP | EPA 3050 | - | | Prep Date | 04/23/96 |
| Cadmium | EPA 6010 | ND | 0.2 mg/kg | | 04/24/96 |
| Chromium | EPA 6010 | 35 * | 0.5 mg/kg | | 04/24/96 |
| Nickel | EPA 6010 | 45 * | 1 mg/kg | | 04/24/96 |
| Zinc | EPA 6010 | 59 * | 1 mg/kg | | 04/24/96 |
| #Extraction for PNAs | EPA 3550 | - | | Extrn Date | 04/24/96 |
| PNAs by EPA 8270 | EPA 8270 | | | | |
| Acenaphthene | 83-32-9 | ND | 3300 ug/kg | | 05/03/96 |
| Acenaphthylene | 208-96-8 | ND | 3300 ug/kg | | 05/03/96 |
| Anthracene | 120-12-7 | ND | 3300 ug/kg | | 05/03/96 |
| Benzo(a)anthracene | 56-55-3 | ND | 3300 ug/kg | | 05/03/96 |
| Benzo(b)fluoranthene | 205-99-2 | ND | 3300 ug/kg | | 05/03/96 |
| Benzo(k)fluoranthene | 207-08-9 | ND | 3300 ug/kg | | 05/03/96 |

LAW/CRANDALL, INC.

SAMPLE ID: MW3 @ 7'
 AEN LAB NO: 9604258-07
 AEN WORK ORDER: 9604258
 CLIENT PROJ. ID: 70424-6-0004

DATE SAMPLED: 04/18/96
 DATE RECEIVED: 04/18/96
 REPORT DATE: 05/08/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|-------------------------------|-----------------|--------|--------------------|-------|------------------|
| Benzo(g,h,i)perylene | 191-24-2 | ND | 3300 | ug/kg | 05/03/96 |
| Benzo(a)pyrene | 50-32-8 | ND | 3300 | ug/kg | 05/03/96 |
| Chrysene | 218-01-9 | ND | 3300 | ug/kg | 05/03/96 |
| Dibenzo(a,h)anthracene | 53-70-3 | ND | 3300 | ug/kg | 05/03/96 |
| Fluoranthene | 206-44-0 | ND | 3300 | ug/kg | 05/03/96 |
| Fluorene | 86-73-7 | ND | 3300 | ug/kg | 05/03/96 |
| Indeno(1,2,3-cd)pyrene | 193-39-5 | ND | 3300 | ug/kg | 05/03/96 |
| Naphthalene | 91-20-3 | ND | 3300 | ug/kg | 05/03/96 |
| Phenanthrene | 85-01-8 | ND | 3300 | ug/kg | 05/03/96 |
| Pyrene | 129-00-0 | ND | 3300 | ug/kg | 05/03/96 |
| EPA 8010 - Soil matrix | EPA 8010 | | | | |
| Bromodichloromethane | 75-27-4 | ND | 5 | ug/kg | 04/25/96 |
| Bromoform | 75-25-2 | ND | 5 | ug/kg | 04/25/96 |
| Bromomethane | 74-83-9 | ND | 20 | ug/kg | 04/25/96 |
| Carbon Tetrachloride | 56-23-5 | ND | 5 | ug/kg | 04/25/96 |
| Chlorobenzene | 108-90-7 | ND | 5 | ug/kg | 04/25/96 |
| Chloroethane | 75-00-3 | ND | 20 | ug/kg | 04/25/96 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | ND | 5 | ug/kg | 04/25/96 |
| Chloroform | 67-66-3 | ND | 5 | ug/kg | 04/25/96 |
| Chloromethane | 74-87-3 | ND | 20 | ug/kg | 04/25/96 |
| Dibromochloromethane | 124-48-1 | ND | 5 | ug/kg | 04/25/96 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | 5 | ug/kg | 04/25/96 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | 5 | ug/kg | 04/25/96 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | 5 | ug/kg | 04/25/96 |
| Dichlorodifluoromethane | 75-71-8 | ND | 20 | ug/kg | 04/25/96 |
| 1,1-Dichloroethane | 75-34-3 | ND | 5 | ug/kg | 04/25/96 |
| 1,2-Dichloroethane | 107-06-2 | ND | 5 | ug/kg | 04/25/96 |
| 1,1-Dichloroethene | 75-35-4 | ND | 5 | ug/kg | 04/25/96 |
| cis-1,2-Dichloroethene | 156-59-2 | ND | 5 | ug/kg | 04/25/96 |
| trans-1,2-Dichloroethene | 156-60-5 | ND | 5 | ug/kg | 04/25/96 |
| 1,2-Dichloropropane | 78-87-5 | ND | 5 | ug/kg | 04/25/96 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | 5 | ug/kg | 04/25/96 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | 5 | ug/kg | 04/25/96 |
| Methylene Chloride | 75-09-2 | ND | 20 | ug/kg | 04/25/96 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | 5 | ug/kg | 04/25/96 |
| Tetrachloroethene | 127-18-4 | ND | 5 | ug/kg | 04/25/96 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 5 | ug/kg | 04/25/96 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 5 | ug/kg | 04/25/96 |
| Trichloroethene | 79-01-6 | ND | 5 | ug/kg | 04/25/96 |
| Trichlorofluoromethane | 75-69-4 | ND | 20 | ug/kg | 04/25/96 |
| 1,1,2Trichlorotrifluoroethane | 76-13-1 | ND | 5 | ug/kg | 04/25/96 |
| Vinyl Chloride | 75-01-4 | ND | 20 | ug/kg | 04/25/96 |

LAW/CRANDALL, INC.

SAMPLE ID: MW3 @ 7'
AEN LAB NO: 9604258-07
AEN WORK ORDER: 9604258
CLIENT PROJ. ID: 70424-6-0004

DATE SAMPLED: 04/18/96
DATE RECEIVED: 04/18/96
REPORT DATE: 05/08/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------|-----------------|--------|--------------------|-------|------------------|
|---------|-----------------|--------|--------------------|-------|------------------|

RLs elevated for EPA 8270 due to high levels of non-target compounds. Sample run at dilution.

ND = Not detected at or above the reporting limit

* = Value at or above reporting limit

LAW/CRANDALL, INC.

SAMPLE ID: MW4 @ 5'
 AEN LAB NO: 9604258-10
 AEN WORK ORDER: 9604258
 CLIENT PROJ. ID: 70424-6-0004

DATE SAMPLED: 04/17/96
 DATE RECEIVED: 04/18/96
 REPORT DATE: 05/08/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|----------------------------|-----------------|--------|--------------------|------------|------------------|
| #CA Waste Extraction | CA Title 22 | - | | Extrn Date | 04/23/96 |
| BTEX & Gasoline HCs | EPA 8020 | | | | |
| Benzene | 71-43-2 | ND | 5 ug/kg | | 04/27/96 |
| Toluene | 108-88-3 | ND | 5 ug/kg | | 04/27/96 |
| Ethylbenzene | 100-41-4 | ND | 5 ug/kg | | 04/27/96 |
| Xylenes, Total | 1330-20-7 | ND | 5 ug/kg | | 04/27/96 |
| Purgeable HCs as Gasoline | 5030/GCFID | ND | 0.2 mg/kg | | 04/27/96 |
| Methyl t-Butyl Ether | EPA 8020 | ND | 50 ug/kg | | 04/27/96 |
| #Extraction for TPH | EPA 3550 | - | | Extrn Date | 04/24/96 |
| TPH as Diesel | GC-FID | ND | 1 mg/kg | | 04/26/96 |
| TPH as Oil | GC-FID | 13 * | 5 mg/kg | | 04/26/96 |
| Lead in WET Extract | EPA 7420 | 0.3 * | 0.1 mg/L | | 04/29/96 |
| #Digestion, Metals by GFAA | EPA 3050 | - | | Prep Date | 04/24/96 |
| Arsenic | EPA 7060 | 4.9 * | 0.5 mg/kg | | 04/25/96 |
| #Digestion, Metals AA/ICP | EPA 3050 | - | | Prep Date | 04/23/96 |
| Cadmium | EPA 6010 | ND | 0.2 mg/kg | | 04/24/96 |
| Chromium | EPA 6010 | 29 * | 0.5 mg/kg | | 04/24/96 |
| Nickel | EPA 6010 | 35 * | 1 mg/kg | | 04/24/96 |
| Zinc | EPA 6010 | 35 * | 1 mg/kg | | 04/24/96 |
| #Extraction for PNAs | EPA 3550 | - | | Extrn Date | 04/24/96 |
| PNAs by EPA 8270 | EPA 8270 | | | | |
| Acenaphthene | 83-32-9 | ND | 330 ug/kg | | 05/03/96 |
| Acenaphthylene | 208-96-8 | ND | 330 ug/kg | | 05/03/96 |
| Anthracene | 120-12-7 | ND | 330 ug/kg | | 05/03/96 |
| Benzo(a)anthracene | 56-55-3 | ND | 330 ug/kg | | 05/03/96 |
| Benzo(b)fluoranthene | 205-99-2 | ND | 330 ug/kg | | 05/03/96 |
| Benzo(k)fluoranthene | 207-08-9 | ND | 330 ug/kg | | 05/03/96 |

LAW/CRANDALL, INC.

SAMPLE ID: MW4 @ 5'
 AEN LAB NO: 9604258-10
 AEN WORK ORDER: 9604258
 CLIENT PROJ. ID: 70424-6-0004

DATE SAMPLED: 04/17/96
 DATE RECEIVED: 04/18/96
 REPORT DATE: 05/08/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|-------------------------------|-----------------|--------|--------------------|-------|------------------|
| Benzo(g,h,i)perylene | 191-24-2 | ND | 330 | ug/kg | 05/03/96 |
| Benzo(a)pyrene | 50-32-8 | ND | 330 | ug/kg | 05/03/96 |
| Chrysene | 218-01-9 | ND | 330 | ug/kg | 05/03/96 |
| Dibenzo(a,h)anthracene | 53-70-3 | ND | 330 | ug/kg | 05/03/96 |
| Fluoranthene | 206-44-0 | ND | 330 | ug/kg | 05/03/96 |
| Fluorene | 86-73-7 | ND | 330 | ug/kg | 05/03/96 |
| Indeno(1,2,3-cd)pyrene | 193-39-5 | ND | 330 | ug/kg | 05/03/96 |
| Naphthalene | 91-20-3 | ND | 330 | ug/kg | 05/03/96 |
| Phenanthrene | 85-01-8 | ND | 330 | ug/kg | 05/03/96 |
| Pyrene | 129-00-0 | ND | 330 | ug/kg | 05/03/96 |
| EPA 8010 - Soil matrix | EPA 8010 | | | | |
| Bromodichloromethane | 75-27-4 | ND | 5 | ug/kg | 04/25/96 |
| Bromoform | 75-25-2 | ND | 5 | ug/kg | 04/25/96 |
| Bromomethane | 74-83-9 | ND | 20 | ug/kg | 04/25/96 |
| Carbon Tetrachloride | 56-23-5 | ND | 5 | ug/kg | 04/25/96 |
| Chlorobenzene | 108-90-7 | ND | 5 | ug/kg | 04/25/96 |
| Chloroethane | 75-00-3 | ND | 20 | ug/kg | 04/25/96 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | ND | 5 | ug/kg | 04/25/96 |
| Chloroform | 67-66-3 | ND | 5 | ug/kg | 04/25/96 |
| Chloromethane | 74-87-3 | ND | 20 | ug/kg | 04/25/96 |
| Dibromochloromethane | 124-48-1 | ND | 5 | ug/kg | 04/25/96 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | 5 | ug/kg | 04/25/96 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | 5 | ug/kg | 04/25/96 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | 5 | ug/kg | 04/25/96 |
| Dichlorodifluoromethane | 75-71-8 | ND | 20 | ug/kg | 04/25/96 |
| 1,1-Dichloroethane | 75-34-3 | ND | 5 | ug/kg | 04/25/96 |
| 1,2-Dichloroethane | 107-06-2 | ND | 5 | ug/kg | 04/25/96 |
| 1,1-Dichloroethene | 75-35-4 | ND | 5 | ug/kg | 04/25/96 |
| cis-1,2-Dichloroethene | 156-59-2 | ND | 5 | ug/kg | 04/25/96 |
| trans-1,2-Dichloroethene | 156-60-5 | ND | 5 | ug/kg | 04/25/96 |
| 1,2-Dichloropropane | 78-87-5 | ND | 5 | ug/kg | 04/25/96 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | 5 | ug/kg | 04/25/96 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | 5 | ug/kg | 04/25/96 |
| Methylene Chloride | 75-09-2 | ND | 20 | ug/kg | 04/25/96 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | 5 | ug/kg | 04/25/96 |
| Tetrachloroethene | 127-18-4 | ND | 5 | ug/kg | 04/25/96 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 5 | ug/kg | 04/25/96 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 5 | ug/kg | 04/25/96 |
| Trichloroethene | 79-01-6 | ND | 5 | ug/kg | 04/25/96 |
| Trichlorofluoromethane | 75-69-4 | ND | 20 | ug/kg | 04/25/96 |
| 1,1,2Trichlorotrifluoroethane | 76-13-1 | ND | 5 | ug/kg | 04/25/96 |
| Vinyl Chloride | 75-01-4 | ND | 20 | ug/kg | 04/25/96 |

LAW/CRANDALL, INC.

SAMPLE ID: MW4 @ 5'
AEN LAB NO: 9604258-10
AEN WORK ORDER: 9604258
CLIENT PROJ. ID: 70424-6-0004

DATE SAMPLED: 04/17/96
DATE RECEIVED: 04/18/96
REPORT DATE: 05/08/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------|-----------------|--------|--------------------|-------|------------------|
|---------|-----------------|--------|--------------------|-------|------------------|

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

LAW/CRANDALL, INC.

SAMPLE ID: MW5 @ 5'
 AEN LAB NO: 9604258-14
 AEN WORK ORDER: 9604258
 CLIENT PROJ. ID: 70424-6-0004

DATE SAMPLED: 04/18/96
 DATE RECEIVED: 04/18/96
 REPORT DATE: 05/08/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|----------------------------|-----------------|--------|--------------------|------------|------------------|
| #CA Waste Extraction | CA Title 22 | - | | Extrn Date | 04/23/96 |
| BTEX & Gasoline HCs | EPA 8020 | | | | |
| Benzene | 71-43-2 | ND | 5 ug/kg | | 04/26/96 |
| Toluene | 108-88-3 | ND | 5 ug/kg | | 04/26/96 |
| Ethylbenzene | 100-41-4 | ND | 5 ug/kg | | 04/26/96 |
| Xylenes, Total | 1330-20-7 | ND | 5 ug/kg | | 04/26/96 |
| Purgeable HCs as Gasoline | 5030/GCFID | ND | 0.2 mg/kg | | 04/26/96 |
| Methyl t-Butyl Ether | EPA 8020 | ND | 50 ug/kg | | 04/26/96 |
| #Extraction for TPH | EPA 3550 | - | | Extrn Date | 04/24/96 |
| TPH as Diesel | GC-FID | ND | 5 mg/kg | | 04/26/96 |
| TPH as Oil | GC-FID | 390 * | 20 mg/kg | | 04/26/96 |
| Lead in WET Extract | EPA 7420 | 2.1 * | 0.1 mg/L | | 04/29/96 |
| #Digestion, Metals by GFAA | EPA 3050 | - | | Prep Date | 04/24/96 |
| Arsenic | EPA 7060 | 1.8 * | 0.5 mg/kg | | 04/25/96 |
| #Digestion, Metals AA/ICP | EPA 3050 | - | | Prep Date | 04/23/96 |
| Cadmium | EPA 6010 | ND | 0.2 mg/kg | | 04/24/96 |
| Chromium | EPA 6010 | 27 * | 0.5 mg/kg | | 04/24/96 |
| Nickel | EPA 6010 | 23 * | 1 mg/kg | | 04/24/96 |
| Zinc | EPA 6010 | 46 * | 1 mg/kg | | 04/24/96 |
| #Extraction for PNAs | EPA 3550 | - | | Extrn Date | 04/24/96 |
| PNAs by EPA 8270 | EPA 8270 | | | | |
| Acenaphthene | 83-32-9 | ND | 33000 ug/kg | | 05/03/96 |
| Acenaphthylene | 208-96-8 | ND | 33000 ug/kg | | 05/03/96 |
| Anthracene | 120-12-7 | ND | 33000 ug/kg | | 05/03/96 |
| Benzo(a)anthracene | 56-55-3 | ND | 33000 ug/kg | | 05/03/96 |
| Benzo(b)fluoranthene | 205-99-2 | ND | 33000 ug/kg | | 05/03/96 |
| Benzo(k)fluoranthene | 207-08-9 | ND | 33000 ug/kg | | 05/03/96 |

LAW/CRANDALL, INC.

SAMPLE ID: MW5 @ 5'
 AEN LAB NO: 9604258-14
 AEN WORK ORDER: 9604258
 CLIENT PROJ. ID: 70424-6-0004

DATE SAMPLED: 04/18/96
 DATE RECEIVED: 04/18/96
 REPORT DATE: 05/08/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|-------------------------------|-----------------|--------|--------------------|-------|------------------|
| Benzo(g,h,i)perylene | 191-24-2 | ND | 33000 | ug/kg | 05/03/96 |
| Benzo(a)pyrene | 50-32-8 | ND | 33000 | ug/kg | 05/03/96 |
| Chrysene | 218-01-9 | ND | 33000 | ug/kg | 05/03/96 |
| Dibenzo(a,h)anthracene | 53-70-3 | ND | 33000 | ug/kg | 05/03/96 |
| Fluoranthene | 206-44-0 | ND | 33000 | ug/kg | 05/03/96 |
| Fluorene | 86-73-7 | ND | 33000 | ug/kg | 05/03/96 |
| Indeno(1,2,3-cd)pyrene | 193-39-5 | ND | 33000 | ug/kg | 05/03/96 |
| Naphthalene | 91-20-3 | ND | 33000 | ug/kg | 05/03/96 |
| Phenanthrene | 85-01-8 | ND | 33000 | ug/kg | 05/03/96 |
| Pyrene | 129-00-0 | ND | 33000 | ug/kg | 05/03/96 |
| EPA 8010 - Soil matrix | EPA 8010 | | | | |
| Bromodichloromethane | 75-27-4 | ND | 5 | ug/kg | 04/25/96 |
| Bromoform | 75-25-2 | ND | 5 | ug/kg | 04/25/96 |
| Bromomethane | 74-83-9 | ND | 20 | ug/kg | 04/25/96 |
| Carbon Tetrachloride | 56-23-5 | ND | 5 | ug/kg | 04/25/96 |
| Chlorobenzene | 108-90-7 | ND | 5 | ug/kg | 04/25/96 |
| Chloroethane | 75-00-3 | ND | 20 | ug/kg | 04/25/96 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | ND | 5 | ug/kg | 04/25/96 |
| Chloroform | 67-66-3 | ND | 5 | ug/kg | 04/25/96 |
| Chloromethane | 74-87-3 | ND | 20 | ug/kg | 04/25/96 |
| Dibromochloromethane | 124-48-1 | ND | 5 | ug/kg | 04/25/96 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | 5 | ug/kg | 04/25/96 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | 5 | ug/kg | 04/25/96 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | 5 | ug/kg | 04/25/96 |
| Dichlorodifluoromethane | 75-71-8 | ND | 20 | ug/kg | 04/25/96 |
| 1,1-Dichloroethane | 75-34-3 | ND | 5 | ug/kg | 04/25/96 |
| 1,2-Dichloroethane | 107-06-2 | ND | 5 | ug/kg | 04/25/96 |
| 1,1-Dichloroethene | 75-35-4 | ND | 5 | ug/kg | 04/25/96 |
| cis-1,2-Dichloroethene | 156-59-2 | ND | 5 | ug/kg | 04/25/96 |
| trans-1,2-Dichloroethene | 156-60-5 | ND | 5 | ug/kg | 04/25/96 |
| 1,2-Dichloropropane | 78-87-5 | ND | 5 | ug/kg | 04/25/96 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | 5 | ug/kg | 04/25/96 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | 5 | ug/kg | 04/25/96 |
| Methylene Chloride | 75-09-2 | ND | 20 | ug/kg | 04/25/96 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | 5 | ug/kg | 04/25/96 |
| Tetrachloroethene | 127-18-4 | ND | 5 | ug/kg | 04/25/96 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 5 | ug/kg | 04/25/96 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 5 | ug/kg | 04/25/96 |
| Trichloroethene | 79-01-6 | ND | 5 | ug/kg | 04/25/96 |
| Trichlorofluoromethane | 75-69-4 | ND | 20 | ug/kg | 04/25/96 |
| 1,1,2Trichlorotrifluoroethane | 76-13-1 | ND | 5 | ug/kg | 04/25/96 |
| Vinyl Chloride | 75-01-4 | ND | 20 | ug/kg | 04/25/96 |

LAW/CRANDALL, INC.

SAMPLE ID: MW5 @ 5'
 AEN LAB NO: 9604258-14
 AEN WORK ORDER: 9604258
 CLIENT PROJ. ID: 70424-6-0004

DATE SAMPLED: 04/18/96
 DATE RECEIVED: 04/18/96
 REPORT DATE: 05/08/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------|-----------------|--------|--------------------|-------|------------------|
|---------|-----------------|--------|--------------------|-------|------------------|

RL elevated for diesel due to high levels of target compounds;RLs elevated for EPA 8270 due to high levels of non-target compounds. Sample run at dilution.

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

LAW/CRANDALL, INC.

SAMPLE ID: MW6 @ 5'
 AEN LAB NO: 9604258-17
 AEN WORK ORDER: 9604258
 CLIENT PROJ. ID: 70424-6-0004

DATE SAMPLED: 04/17/96
 DATE RECEIVED: 04/18/96
 REPORT DATE: 05/08/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|----------------------------|-----------------|--------|--------------------|------------|------------------|
| #CA Waste Extraction | CA Title 22 | - | | Extrn Date | 04/23/96 |
| BTEX & Gasoline HCs | EPA 8020 | | | | |
| Benzene | 71-43-2 | ND | 5 ug/kg | | 04/26/96 |
| Toluene | 108-88-3 | ND | 5 ug/kg | | 04/26/96 |
| Ethylbenzene | 100-41-4 | ND | 5 ug/kg | | 04/26/96 |
| Xylenes, Total | 1330-20-7 | ND | 5 ug/kg | | 04/26/96 |
| Purgeable HCs as Gasoline | 5030/GCFID | ND | 0.2 mg/kg | | 04/26/96 |
| Methyl t-Butyl Ether | EPA 8020 | ND | 50 ug/kg | | 04/26/96 |
| #Extraction for TPH | EPA 3550 | - | | Extrn Date | 04/25/96 |
| TPH as Diesel | GC-FID | ND | 1 mg/kg | | 04/27/96 |
| TPH as Oil | GC-FID | 82 * | 5 mg/kg | | 04/27/96 |
| Lead in WET Extract | EPA 7420 | 4.6 * | 0.1 mg/L | | 04/29/96 |
| #Digestion, Metals by GFAA | EPA 3050 | - | | Prep Date | 04/24/96 |
| Arsenic | EPA 7060 | 1.4 * | 0.5 mg/kg | | 04/25/96 |
| #Digestion, Metals AA/ICP | EPA 3050 | - | | Prep Date | 04/23/96 |
| Cadmium | EPA 6010 | ND | 0.2 mg/kg | | 04/24/96 |
| Chromium | EPA 6010 | 23 * | 0.5 mg/kg | | 04/24/96 |
| Nickel | EPA 6010 | 13 * | 1 mg/kg | | 04/24/96 |
| Zinc | EPA 6010 | 31 * | 1 mg/kg | | 04/24/96 |
| #Extraction for PNAs | EPA 3550 | - | | Extrn Date | 04/24/96 |
| PNAs by EPA 8270 | EPA 8270 | | | | |
| Acenaphthene | 83-32-9 | ND | 3300 ug/kg | | 05/03/96 |
| Acenaphthylene | 208-96-8 | ND | 3300 ug/kg | | 05/03/96 |
| Anthracene | 120-12-7 | ND | 3300 ug/kg | | 05/03/96 |
| Benzo(a)anthracene | 56-55-3 | ND | 3300 ug/kg | | 05/03/96 |
| Benzo(b)fluoranthene | 205-99-2 | ND | 3300 ug/kg | | 05/03/96 |
| Benzo(k)fluoranthene | 207-08-9 | ND | 3300 ug/kg | | 05/03/96 |

LAW/CRANDALL, INC.

SAMPLE ID: MW6 @ 5'
 AEN LAB NO: 9604258-17
 AEN WORK ORDER: 9604258
 CLIENT PROJ. ID: 70424-6-0004

DATE SAMPLED: 04/17/96
 DATE RECEIVED: 04/18/96
 REPORT DATE: 05/08/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|-------------------------------|-----------------|--------|--------------------|-------|------------------|
| Benzo(g,h,i)perylene | 191-24-2 | ND | 3300 | ug/kg | 05/03/96 |
| Benzo(a)pyrene | 50-32-8 | ND | 3300 | ug/kg | 05/03/96 |
| Chrysene | 218-01-9 | ND | 3300 | ug/kg | 05/03/96 |
| Dibenzo(a,h)anthracene | 53-70-3 | ND | 3300 | ug/kg | 05/03/96 |
| Fluoranthene | 206-44-0 | ND | 3300 | ug/kg | 05/03/96 |
| Fluorene | 86-73-7 | ND | 3300 | ug/kg | 05/03/96 |
| Indeno(1,2,3-cd)pyrene | 193-39-5 | ND | 3300 | ug/kg | 05/03/96 |
| Naphthalene | 91-20-3 | ND | 3300 | ug/kg | 05/03/96 |
| Phenanthrene | 85-01-8 | ND | 3300 | ug/kg | 05/03/96 |
| Pyrene | 129-00-0 | ND | 3300 | ug/kg | 05/03/96 |
| EPA 8010 - Soil matrix | EPA 8010 | | | | |
| Bromodichloromethane | 75-27-4 | ND | 5 | ug/kg | 04/25/96 |
| Bromoform | 75-25-2 | ND | 5 | ug/kg | 04/25/96 |
| Bromomethane | 74-83-9 | ND | 20 | ug/kg | 04/25/96 |
| Carbon Tetrachloride | 56-23-5 | ND | 5 | ug/kg | 04/25/96 |
| Chlorobenzene | 108-90-7 | ND | 5 | ug/kg | 04/25/96 |
| Chloroethane | 75-00-3 | ND | 20 | ug/kg | 04/25/96 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | ND | 5 | ug/kg | 04/25/96 |
| Chloroform | 67-66-3 | ND | 5 | ug/kg | 04/25/96 |
| Chloromethane | 74-87-3 | ND | 20 | ug/kg | 04/25/96 |
| Dibromochloromethane | 124-48-1 | ND | 5 | ug/kg | 04/25/96 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | 5 | ug/kg | 04/25/96 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | 5 | ug/kg | 04/25/96 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | 5 | ug/kg | 04/25/96 |
| Dichlorodifluoromethane | 75-71-8 | ND | 20 | ug/kg | 04/25/96 |
| 1,1-Dichloroethane | 75-34-3 | ND | 5 | ug/kg | 04/25/96 |
| 1,2-Dichloroethane | 107-06-2 | ND | 5 | ug/kg | 04/25/96 |
| 1,1-Dichloroethene | 75-35-4 | ND | 5 | ug/kg | 04/25/96 |
| cis-1,2-Dichloroethene | 156-59-2 | ND | 5 | ug/kg | 04/25/96 |
| trans-1,2-Dichloroethene | 156-60-5 | ND | 5 | ug/kg | 04/25/96 |
| 1,2-Dichloropropane | 78-87-5 | ND | 5 | ug/kg | 04/25/96 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | 5 | ug/kg | 04/25/96 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | 5 | ug/kg | 04/25/96 |
| Methylene Chloride | 75-09-2 | ND | 20 | ug/kg | 04/25/96 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | 5 | ug/kg | 04/25/96 |
| Tetrachloroethene | 127-18-4 | ND | 5 | ug/kg | 04/25/96 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 5 | ug/kg | 04/25/96 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 5 | ug/kg | 04/25/96 |
| Trichloroethene | 79-01-6 | ND | 5 | ug/kg | 04/25/96 |
| Trichlorofluoromethane | 75-69-4 | ND | 20 | ug/kg | 04/25/96 |
| 1,1,2Trichlorotrifluoroethane | 76-13-1 | ND | 5 | ug/kg | 04/25/96 |
| Vinyl Chloride | 75-01-4 | ND | 20 | ug/kg | 04/25/96 |

LAW/CRANDALL, INC.

SAMPLE ID: MW6 @ 5'
AEN LAB NO: 9604258-17
AEN WORK ORDER: 9604258
CLIENT PROJ. ID: 70424-6-0004

DATE SAMPLED: 04/17/96
DATE RECEIVED: 04/18/96
REPORT DATE: 05/08/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------|-----------------|--------|--------------------|-------|------------------|
|---------|-----------------|--------|--------------------|-------|------------------|

RLs elevated for EPA 8270 due to high levels of non-target compounds. Sample run at dilution.

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

AEN (CALIFORNIA)
QUALITY CONTROL REPORT

AEN JOB NUMBER: 9604258

CLIENT PROJECT ID: 70424-6-0004

Quality Control and Project Summary

All laboratory quality control parameters were found to be within established limits.

Definitions

Laboratory Control Sample (LCS)/Method Spike(s): Control samples of known composition. LCS and Method Spike data are used to validate batch analytical results.

Matrix Spike(s): Aliquot of a sample (aqueous or solid) with added quantities of specific compounds and subjected to the entire analytical procedure. Matrix spike and matrix spike duplicate QC data are advisory.

Method Blank: An analytical control consisting of all reagents, internal standards, and surrogate standards carried through the entire analytical process. Used to monitor laboratory background and reagent contamination.

Not Detected (ND): Not detected at or above the reporting limit.

Relative Percent Difference (RPD): An indication of method precision based on duplicate analysis.

Reporting Limit (RL): The lowest concentration routinely determined during laboratory operations. The RL is generally 1 to 10 times the Method Detection Limit (MDL). Reporting limits are matrix, method, and analyte dependent and take into account any dilutions performed as part of the analysis.

Surrogates: Organic compounds which are similar to analytes of interest in chemical behavior, but are not found in environmental samples. Surrogates are added to all blanks, calibration and check standards, samples, and spiked samples. Surrogate recovery is monitored as an indication of acceptable sample preparation and instrumental performance.

D: Surrogates diluted out.

#: Indicates result outside of established laboratory QC limits.

QUALITY CONTROL DATA

METHOD: EPA 3550 GCFID

AEN JOB NO: 9604258
 DATE EXTRACTED: 04/24/96; 04/25/96
 INSTRUMENT: C
 MATRIX: SOIL

Surrogate Standard Recovery Summary

| Date Analyzed | Client Id. | Lab Id. | Percent Recovery | |
|---------------|------------|---------|------------------|--|
| | | | n-Pentacosane | |
| 04/26/96 | MW1 @ 5' | 01 | 92 | |
| 04/26/96 | MW2 @ 5' | 04 | 68 | |
| 04/26/96 | MW3 @ 7' | 07 | 72 | |
| 04/26/96 | MW4 @ 5' | 10 | 83 | |
| 04/26/96 | MW5 @ 5' | 14 | 71 | |
| 04/27/96 | MW6 @ 5' | 17 | 94 | |
| QC Limits: | | | 45-110 | |

DATE EXTRACTED: 04/25/95
 DATE ANALYZED: 04/26/95
 SAMPLE SPIKED: 9604188-16
 INSTRUMENT: C

Matrix Spike Recovery Summary

| Analyte | Spike Added (mg/kg) | Average Percent Recovery | RPD | QC Limits | |
|---------|---------------------|--------------------------|-----|------------------|-----|
| | | | | Percent Recovery | RPD |
| Diesel | 40.0 | 84 | 3 | 44-108 | 13 |

Daily method blanks for all associated analytical runs showed no contamination at or above the reporting limit.

QUALITY CONTROL DATA

METHOD: EPA 8010

AEN JOB NO: 9604258
 INSTRUMENT: G
 MATRIX: SOIL

Surrogate Standard Recovery Summary

| Date Analyzed | Client Id. | Lab Id. | Percent Recovery | |
|---------------|------------|---------|---------------------|--------------------------|
| | | | Bromochloro-methane | 1-Bromo-3-chloro-propane |
| 04/25/96 | MW1 @ 5' | 01 | 71 | 87 |
| 04/25/96 | MW2 @ 5' | 04 | 76 | 93 |
| 04/25/96 | MW3 @ 7' | 07 | 72 | 90 |
| 04/25/96 | MW4 @ 5' | 10 | 75 | 86 |
| 04/25/96 | MW5 @ 5' | 14 | 72 | 90 |
| 04/25/96 | MW6 @ 5' | 17 | 76 | 87 |
| QC Limits: | | | 70-130 | 70-130 |

DATE ANALYZED: 04/23/96
 SAMPLE SPIKED: 9604211-19
 INSTRUMENT: G

Matrix Spike Recovery Summary

| Analyte | Spike Added (ug/kg) | Average Percent Recovery | RPD | QC Limits | |
|--------------------|---------------------|--------------------------|-----|------------------|------|
| | | | | Percent Recovery | RPD |
| 1,1-Dichloroethene | 50 | 56 | 10 | 37-156 | 20 |
| Trichloroethene | 50 | 87 | 6 | 54-122 | 20 |
| Chlorobenzene | 50 | 79 | 8 | 54-141 | : 20 |

Daily method blanks for all associated analytical runs showed no contamination at or above the reporting limit.

QUALITY CONTROL DATA

METHOD: EPA 8020, 5030 GCFID

AEN JOB NO: 9604258
 INSTRUMENT: E, H
 MATRIX: SOIL

Surrogate Standard Recovery Summary

| Date Analyzed | Client Id. | Lab Id. | Percent Recovery | |
|---------------|------------|---------|------------------|--|
| | | | Fluorobenzene | |
| 04/26/96 | MW1 @ 5' | 01 | 115 | |
| 04/27/96 | MW2 @ 5' | 04 | 103 | |
| 04/26/96 | MW3 @ 7' | 07 | 104 | |
| 04/27/96 | MW4 @ 5' | 10 | 106 | |
| 04/26/96 | MW5 @ 5' | 14 | 107 | |
| 04/27/96 | MW6 @ 5' | 17 | 105 | |
| QC Limits: | | | 70-130 | |

DATE ANALYZED: 04/27/96
 SAMPLE SPIKED: 9604365-02
 INSTRUMENT: E

Matrix Spike Recovery Summary

| Analyte | Spike Added (ug/kg) | Average Percent Recovery | RPD | QC Limits | |
|--------------------------|---------------------|--------------------------|-----|------------------|------|
| | | | | Percent Recovery | RPD |
| Benzene | 34.5 | 106 | 1 | 79-113 | 26 |
| Toluene | 105 | 110 | 1 | 84-110 | 20 |
| Hydrocarbons as Gasoline | 1000 | 104 | 1 | 60-126 | : 20 |

Daily method blanks for all associated analytical runs showed no contamination at or above the reporting limit.

QUALITY CONTROL DATA

METHOD: EPA 8270

AEN JOB NO: 9604258
 DATE EXTRACTED: 04/24/96
 INSTRUMENT: 11
 MATRIX: SOIL

Surrogate Standard Recovery Summary

| Date Analyzed | Client Id. | Lab Id. | Percent Recovery | | | | | |
|---------------|------------|---------|------------------|-----------------------|------------------------------|-------------------|-----------------------|---------------------------|
| | | | 2-Fluoro-phenol | Phenol-d ₅ | Nitro-benzene-d ₅ | 2-Fluoro-biphenyl | 2,4,6-Tri-bromophenol | Terphenyl-d ₁₄ |
| 05/03/96 | MW1 @ 5' | 01 | 77 | 87 | 87 | 80 | 115 | 89 |
| 05/03/96 | MW2 @ 5' | 04 | D | D | D | D | D | D |
| 05/03/96 | MW3 @ 7' | 07 | D | D | D | D | D | D |
| 05/03/96 | MW4 @ 5' | 10 | 63 | 76 | 74 | 71 | 116 | 86 |
| 05/03/96 | MW5 @ 5' | 14 | D | D | D | D | D | D |
| 05/03/96 | MW6 @ 5' | 17 | D | D | D | D | D | D |
| QC Limits: | | | 25-121 | 24-113 | 23-120 | 30-115 | 19-122 | 18-137 |

D: Surrogates diluted out.

DATE EXTRACTED: 04/24/96
 DATE ANALYZED: 05/03/96
 SAMPLE SPIKED: LCS
 INSTRUMENT: 11

Laboratory Control Sample Recovery

| Analyte | Spike Added (ug/kg) | Percent Recovery | QC Limits |
|---------------------------|---------------------|------------------|------------------|
| | | | Percent Recovery |
| Phenol | 3660 | 81 | 4-120 |
| 2-Chlorophenol | 3480 | 73 | 27-130 |
| 1,4-Dichlorobenzene | 3460 | 74 | 13- 95 |
| N-Nitrosodi-n-propylamine | 3530 | 85 | 10-130 |
| 1,2,4-Trichlorobenzene | 3480 | 61 | 29-101 |
| 4-Chloro-3-methylphenol | 3410 | 86 | 3-149 |
| Acenaphthene | 3560 | 82 | 48-125 |
| 4-Nitrophenol | 3590 | 103 | 0-129 |
| 2,4-Dinitrotoluene | 3510 | 72 | 38-103 |
| Pentachlorophenol | 3490 | 60 | 0-190 |
| Pyrene | 3610 | 90 | 34-143 |

Daily method blanks for all associated analytical runs showed no contamination at or above the reporting limit.

QUALITY CONTROL DATA

AEN JOB NO: 9604258
 SAMPLE SPIKED: SAND
 DATE(S) ANALYZED: 04/23-24/96
 MATRIX: SOIL

Method Blank and Spike Recovery Summary

| Analyte | Inst./ Method | Blank Result (mg/kg) | Spike Added (mg/kg) | Percent Recovery | RPD | QC Limits | |
|--------------|---------------|----------------------|---------------------|------------------|-----|------------------|-----|
| | | | | | | Percent Recovery | RPD |
| As, Arsenic | 4000/7060 | ND | 10 | 95 | 5 | 67-136 | 15 |
| Cd, Cadmium | ICP/6010 | ND | 10 | 96 | 3 | 83-109 | 10 |
| Cr, Chromium | ICP/6010 | ND | 50 | 96 | 3 | 85-110 | 10 |
| Ni, Nickel | ICP/6010 | ND | 50 | 98 | 4 | 83-115 | 10 |
| Zn, Zinc | ICP/6010 | ND | 50 | 91 | 4 | 81-109 | 10 |

SAMPLE SPIKED: 9604258-17
 DATE EXTRACTED: 04/23/96
 DATE(S) ANALYZED: 04/29/96
 MATRIX: WET

Matrix Spike Recovery Summary

| Analyte | Inst./ Method | Sample Result (mg/L) | Spike Added (mg/L) | MS Result (mg/L) | Percent Recovery |
|----------|---------------|----------------------|--------------------|------------------|------------------|
| Pb, Lead | V12/7420 | 4.55 | 8.0 | 12.7 | 102 |

Daily method blanks for all associated analytical runs showed no contamination at or above the reporting limit.

*** END OF REPORT ***

CHAIN OF CUSTODY FORM

LAW/CRANDALL, INC.
875 BATTERY STREET
SAN FRANCISCO, CALIFORNIA 94111-1513
(415) 834-2040

Sampler: Andrew T. Muka
Report to: Andrew T. Muka
Company: LAW/CRANDALL
Telephone: (415) 834-2040
Turnaround Time: Standard 7 days Fax: (415) 834-2051

R-7.0-F

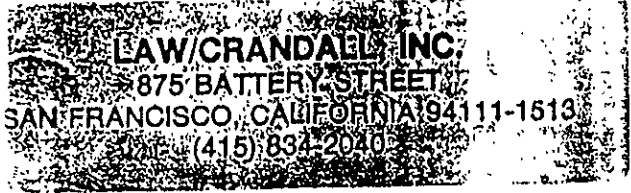
| | | | | | | | | | | |
|----------------------|-------|--|------------------------|------------|--------------------|---------------------------|--|--|--|--|
| TPH/G + BTEX w/ MTBE | TPH/D | TPH/Motor Oil [5520 D+F *] <small>see below</small> | Chromatogram HC's 8010 | PAH's 8270 | Soluble Lead: 7420 | CR, Cd, Ni, Zn, As & 6010 | | | | |
|----------------------|-------|--|------------------------|------------|--------------------|---------------------------|--|--|--|--|

| Laboratory Number | Sample ID. | Sampling Date Time | | Matrix | | | # of Containers | Preservative | | | | Field Notes | TPH/G + BTEX w/ MTBE | TPH/D | TPH/Motor Oil [5520 D+F *] <small>see below</small> | Chromatogram HC's 8010 | PAH's 8270 | Soluble Lead: 7420 | CR, Cd, Ni, Zn, As & 6010 | |
|-------------------|------------|--------------------|-------|--------|-------|-------|-----------------|--------------|--------------------------------|------------------|-----|-------------|----------------------|-------|--|------------------------|------------|--------------------|---------------------------|--|
| | | | | Soil | Water | Waste | | HCL | H ₂ SO ₄ | HNO ₃ | ICE | | | | | | | | | |
| | MW1 @ 5' | 4/17 | 12:40 | X | | | 1 | | | X | | | X | X | X | X | X | X | | |
| | MW1 @ 10' | 4/17 | 12:50 | X | | | 1 | | | X | | | | | | | | | | |
| | MW1 @ 15' | 4/17 | 13:00 | X | | | 1 | | | X | | | | | | | | | | |
| | MW2 @ 5' | 4/18 | 8:30 | X | | | 1 | | | X | | | X | X | X | X | X | X | | |
| | MW2 @ 10' | 4/18 | 8:40 | X | | | 1 | | | X | | | | | | | | | | |
| | MW2 @ 15' | 4/18 | 8:50 | X | | | 1 | | | X | | | | | | | | | | |
| | MW3 @ 7' | 4/18 | 11:15 | X | | | 1 | | | X | | | X | X | X | X | X | X | | |
| | MW3 @ 10' | 4/18 | 11:25 | X | | | 1 | | | X | | | | | | | | | | |
| | MW3 @ 15' | 4/18 | 11:35 | X | | | 1 | | | X | | | | | | | | | | |
| | MW4 @ 5' | 4/17 | 11:15 | X | | | 1 | | | X | | | X | X | X | X | X | X | | |
| | MW4 @ 10' | 4/17 | 11:20 | X | | | 1 | | | X | | | | | | | | | | |
| | MW4 @ 15' | 4/17 | 11:30 | X | | | 1 | | | X | | | | | | | | | | |
| | MW4 @ 20' | 4/17 | 11:35 | X | | | 1 | | | X | | | | | | | | | | |

NOTES:
* Call to confirm
04/19/96 Per Andrew Muka, do not analyze samples for 4520DF (TPH-mo only). Also place soluble lead analysis on HOLD until further notice.
eps
4/22/96 Per Andrew Muka soluble (SPLC) lead

| RELINQUISHED BY: | | RECEIVED BY: | |
|-----------------------|-----------------------|---------------|---------------|
| <u>Andrew T. Muka</u> | <u>Michael J. ...</u> | 4-18-96 16:10 | 4-18-96 16:10 |
| <u>Michael J. ...</u> | <u>...</u> | 4-18-96 17:00 | 4-18-96 17:00 |
| <u>...</u> | <u>...</u> | DATE/TIME | DATE/TIME |

CHAIN OF CUSTODY FORM



Sampler: Andrew T. Muha

Report to: Andrew T. Muha

Company: LAW/CRANDALL

Telephone: (415) 834-2040

Project No: 70424-6-0004

Project Name: Days Inn

Turnaround Time: Standard 7 day Fax: (415) 834-2051

| Laboratory Number | Sample ID. | Sampling Date | Sampling Time | Matrix | | | # of Containers | Preservative | | | | Field Notes | TPH/C + BTEX w/ MTBE | TPH/D | TPH/Motor Oil 5520 D+F * | Chlorinated HC's B010 | PAH's EPA 8710 B270 | Soluble Lead 7420 | Cu, Cd, Ni, Zn, An* 6010 | |
|-------------------|------------|---------------|---------------|--------|-------|-------|-----------------|--------------|--------------------------------|------------------|-----|-------------|----------------------|-------|--------------------------|-----------------------|---------------------|-------------------|--------------------------|--|
| | | | | Soil | Water | Waste | | HCL | H ₂ SO ₄ | HNO ₃ | ICE | | | | | | | | | |
| | MW5 @ 5 | 4/18 | 9:50 | X | | | 1 | | | | X | | | | | | | | | |
| | MW5 @ 10 | 4/18 | 10:00 | X | | | 1 | | | | X | Hold | | | | | | | | |
| | MW5 @ 15 | 4/18 | 10:10 | X | | | 1 | | | | X | Hold | | | | | | | | |
| | MW6 @ 5 | 4/17 | 9:45 | X | | | 1 | | | | X | | | | | | | | | |
| | MW6 @ 10 | 4/17 | 9:50 | X | | | 1 | | | | X | Hold | | | | | | | | |
| | MW6 @ 15 | 4/17 | 10:09 | X | | | 2 | | | | X | Hold | | | | | | | | |
| | MW6 @ 20 | 4/17 | 10:20 | X | | | 1 | | | | X | Hold | | | | | | | | |

NOTES:
* CALL TO CONFIRM

RELINQUISHED BY:
Andrew T. Muha 4/18 4:10 DATE/TIME
Michael E. Schulte 4-18-96 1702 DATE/TIME

RECEIVED BY:
Michael E. Schulte 4-18-96 1610 DATE/TIME
Lee S. Pruitt 4-18-96 1700 DATE/TIME

CHANGE ORDER REQUEST

AMERICAN ENVIRONMENTAL NETWORK (AEN)
3440 VINCENT ROAD
PLEASANT HILL, CA 94523

PHONE (510) 930-9090

FAX (510) 930-0256

DATE/TIME 04/22/96 1500
AEN REP. POXY SIGUA
AEN PROJ NO. 9604258

COMPANY Law Crandall, Inc.
CONTACT Andrew Muba
PROJECT 70424-b-0004
PROJ # COC #

ADDITIONAL ANALYSIS _____ CHANGED ANALYSIS _____ OTHER off HOLD

Per client request, take soluble (STC) lead
sampled off HOLD.

(AEN sample id's: 9604258-01A, -02A, -07A, -10A, -14A, -17A)

ACCEPTED - The above specifications of this Change Order are satisfactory and are hereby accepted

DATE OF ACCEPTANCE 4/23/96 SIGNATURE Andrew T. Muba

PLEASE AUTHORIZE BY SIGNING REQUEST AND RETURN BY FAX

American Environmental Network

Certificate of Analysis

DOHS Certification: 1172

AIHA Accreditation: 11134

PAGE 1

LAW/CRANDALL, INC.
875 BATTERY ST.
SAN FRANCISCO, CA 94111-1513

REPORT DATE: 05/13/96

DATE(S) SAMPLED: 04/24/96

DATE RECEIVED: 04/25/96

ATTN: MARK MILLER
CLIENT PROJ. ID: 70424-6-0004

AEN WORK ORDER: 9604339

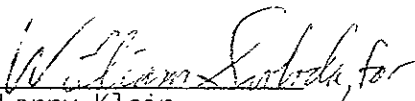
PROJECT SUMMARY:

On April 25, 1996, this laboratory received 3 water sample(s).

Client requested sample(s) be analyzed for chemical parameters. Results of analysis are summarized on the following page(s). Please see quality control report for a summary of QC data pertaining to this project.

Samples will be stored for 30 days after completion of analysis, then disposed of in accordance with State and Federal regulations. Samples may be archived by prior arrangement.

If you have any questions, please contact Client Services at (510) 930-9090.


Larry Klein
Laboratory Director

LAW/CRANDALL, INC.

SAMPLE ID: MW-1
 AEN LAB NO: 9604339-01A
 AEN WORK ORDER: 9604339
 CLIENT PROJ. ID: 70424-6-0004

DATE SAMPLED: 04/24/96
 DATE RECEIVED: 04/25/96
 REPORT DATE: 05/13/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------------------------|-----------------|--------|--------------------|-------|------------------|
| BTEX & Gasoline HCs | EPA 8020 | | | | |
| Benzene | 71-43-2 | ND | 0.5 | ug/L | 05/01/96 |
| Toluene | 108-88-3 | ND | 0.5 | ug/L | 05/01/96 |
| Ethylbenzene | 100-41-4 | ND | 0.5 | ug/L | 05/01/96 |
| Xylenes, Total | 1330-20-7 | ND | 2 | ug/L | 05/01/96 |
| Purgeable HCs as Gasoline | 5030/GCFID | ND | 0.05 | mg/L | 05/01/96 |
| Methyl t-Butyl Ether | EPA 8020 | ND | 50 | ug/L | 05/01/96 |

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

LAW/CRANDALL, INC.

SAMPLE ID: MW-1
 AEN LAB NO: 9604339-01D
 AEN WORK ORDER: 9604339
 CLIENT PROJ. ID: 70424-6-0004

DATE SAMPLED: 04/24/96
 DATE RECEIVED: 04/25/96
 REPORT DATE: 05/13/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------------------|-----------------|--------|--------------------|------------|------------------|
| #Extraction for TPH | EPA 3510 | - | | Extrn Date | 05/06/96 |
| TPH as Diesel | GC-FID | 0.66 * | 0.05 | mg/L | 05/08/96 |
| TPH as Oil | GC-FID | ND | 0.2 | mg/L | 05/08/96 |

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

LAW/CRANDALL, INC.

SAMPLE ID: MW-1
 AEN LAB NO: 9604339-01F
 AEN WORK ORDER: 9604339
 CLIENT PROJ. ID: 70424-6-0004

DATE SAMPLED: 04/24/96
 DATE RECEIVED: 04/25/96
 REPORT DATE: 05/13/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|-------------------------------|-----------------|--------|--------------------|-------|------------------|
| EPA 8010 - Water matrix | EPA 8010 | | | | |
| Bromodichloromethane | 75-27-4 | ND | 0.5 | ug/L | 04/27/96 |
| Bromoform | 75-25-2 | ND | 0.5 | ug/L | 04/27/96 |
| Bromomethane | 74-83-9 | ND | 2 | ug/L | 04/27/96 |
| Carbon Tetrachloride | 56-23-5 | ND | 0.5 | ug/L | 04/27/96 |
| Chlorobenzene | 108-90-7 | ND | 0.5 | ug/L | 04/27/96 |
| Chloroethane | 75-00-3 | ND | 2 | ug/L | 04/27/96 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | ND | 0.5 | ug/L | 04/27/96 |
| Chloroform | 67-66-3 | ND | 0.5 | ug/L | 04/27/96 |
| Chloromethane | 74-87-3 | ND | 2 | ug/L | 04/27/96 |
| Dibromochloromethane | 124-48-1 | ND | 0.5 | ug/L | 04/27/96 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | 0.5 | ug/L | 04/27/96 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | 0.5 | ug/L | 04/27/96 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | 0.5 | ug/L | 04/27/96 |
| Dichlorodifluoromethane | 75-71-8 | ND | 2 | ug/L | 04/27/96 |
| 1,1-Dichloroethane | 75-34-3 | ND | 0.5 | ug/L | 04/27/96 |
| 1,2-Dichloroethane | 107-06-2 | ND | 0.5 | ug/L | 04/27/96 |
| 1,1-Dichloroethene | 75-35-4 | ND | 0.5 | ug/L | 04/27/96 |
| cis-1,2-Dichloroethene | 156-59-2 | ND | 0.5 | ug/L | 04/27/96 |
| trans-1,2-Dichloroethene | 156-60-5 | ND | 0.5 | ug/L | 04/27/96 |
| 1,2-Dichloropropane | 78-87-5 | ND | 0.5 | ug/L | 04/27/96 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | 0.5 | ug/L | 04/27/96 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | 0.5 | ug/L | 04/27/96 |
| Methylene Chloride | 75-09-2 | ND | 2 | ug/L | 04/27/96 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | 0.5 | ug/L | 04/27/96 |
| Tetrachloroethene | 127-18-4 | ND | 0.5 | ug/L | 04/27/96 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 0.5 | ug/L | 04/27/96 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 0.5 | ug/L | 04/27/96 |
| Trichloroethene | 79-01-6 | ND | 0.5 | ug/L | 04/27/96 |
| Trichlorofluoromethane | 75-69-4 | ND | 2 | ug/L | 04/27/96 |
| 1,1,2Trichlorotrifluoroethane | 76-13-1 | ND | 0.5 | ug/L | 04/27/96 |
| Vinyl Chloride | 75-01-4 | ND | 2 | ug/L | 04/27/96 |

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

LAW/CRANDALL, INC.

SAMPLE ID: MW-1
 AEN LAB NO: 9604339-011
 AEN WORK ORDER: 9604339
 CLIENT PROJ. ID: 70424-6-0004

DATE SAMPLED: 04/24/96
 DATE RECEIVED: 04/25/96
 REPORT DATE: 05/13/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|------------------------|-----------------|--------|--------------------|------------|------------------|
| #Extraction for PNAs | EPA 3520 | - | | Extrn Date | 05/01/96 |
| PNAs by EPA 8270 | EPA 8270 | | | | |
| Acenaphthene | 83-32-9 | 85 * | 10 | ug/L | 05/08/96 |
| Acenaphthylene | 208-96-8 | ND | 10 | ug/L | 05/08/96 |
| Anthracene | 120-12-7 | ND | 10 | ug/L | 05/08/96 |
| Benzo(a)anthracene | 56-55-3 | ND | 10 | ug/L | 05/08/96 |
| Benzo(b)fluoranthene | 205-99-2 | ND | 10 | ug/L | 05/08/96 |
| Benzo(k)fluoranthene | 207-08-9 | ND | 10 | ug/L | 05/08/96 |
| Benzo(g,h,i)perylene | 191-24-2 | ND | 10 | ug/L | 05/08/96 |
| Benzo(a)pyrene | 50-32-8 | ND | 10 | ug/L | 05/08/96 |
| Chrysene | 218-01-9 | ND | 10 | ug/L | 05/08/96 |
| Dibenzo(a,h)anthracene | 53-70-3 | ND | 10 | ug/L | 05/08/96 |
| Fluoranthene | 206-44-0 | ND | 10 | ug/L | 05/08/96 |
| Fluorene | 86-73-7 | 15 * | 10 | ug/L | 05/08/96 |
| Indeno(1,2,3-cd)pyrene | 193-39-5 | ND | 10 | ug/L | 05/08/96 |
| Naphthalene | 91-20-3 | ND | 10 | ug/L | 05/08/96 |
| Phenanthrene | 85-01-8 | 34 * | 10 | ug/L | 05/08/96 |
| Pyrene | 129-00-0 | ND | 10 | ug/L | 05/08/96 |

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

LAW/CRANDALL, INC.

SAMPLE ID: MW-1
 AEN LAB NO: 9604339-01K
 AEN WORK ORDER: 9604339
 CLIENT PROJ. ID: 70424-6-0004

DATE SAMPLED: 04/24/96
 DATE RECEIVED: 04/25/96
 REPORT DATE: 05/13/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|----------------------------|-----------------|---------|--------------------|------------|------------------|
| #Sample Filtration | 0.45 um | - | | Filtr Date | 04/25/96 |
| #Digestion, Metals by GFAA | EPA 3020 | - | | Prep Date | 04/30/96 |
| Arsenic | EPA 7060 | 0.004 * | 0.002 | mg/L | 04/30/96 |
| #Digestion, Metals by ICP | EPA 3010 | - | | Prep Date | 04/30/96 |
| Cadmium | EPA 6010 | ND | 0.005 | mg/L | 05/02/96 |
| Chromium | EPA 6010 | ND | 0.01 | mg/L | 05/02/96 |
| Lead | EPA 6010 | ND | 0.04 | mg/L | 05/02/96 |
| Nickel | EPA 6010 | 0.01 * | 0.01 | mg/L | 05/02/96 |
| Zinc | EPA 6010 | ND | 0.01 | mg/L | 05/02/96 |

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

LAW/CRANDALL, INC.

SAMPLE ID: MW-2
AEN LAB NO: 9604339-02A
AEN WORK ORDER: 9604339
CLIENT PROJ. ID: 70424-6-0004

DATE SAMPLED: 04/24/96
DATE RECEIVED: 04/25/96
REPORT DATE: 05/13/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------------------------|-----------------|--------|--------------------|-------|------------------|
| BTEX & Gasoline HCs | EPA 8020 | | | | |
| Benzene | 71-43-2 | ND | 0.5 | ug/L | 05/01/96 |
| Toluene | 108-88-3 | ND | 0.5 | ug/L | 05/01/96 |
| Ethylbenzene | 100-41-4 | ND | 0.5 | ug/L | 05/01/96 |
| Xylenes, Total | 1330-20-7 | ND | 2 | ug/L | 05/01/96 |
| Purgeable HCs as Gasoline | 5030/GCFID | ND | 0.05 | mg/L | 05/01/96 |
| Methyl t-Butyl Ether | EPA 8020 | ND | 50 | ug/L | 05/01/96 |

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

LAW/CRANDALL, INC.

SAMPLE ID: MW-2
AEN LAB NO: 9604339-02D
AEN WORK ORDER: 9604339
CLIENT PROJ. ID: 70424-6-0004

DATE SAMPLED: 04/24/96
DATE RECEIVED: 04/25/96
REPORT DATE: 05/13/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------------------|-----------------|--------|--------------------|------------|------------------|
| #Extraction for TPH | EPA 3510 | - | | Extrn Date | 05/06/96 |
| TPH as Diesel | GC-FID | 1.6 * | 0.05 | mg/L | 05/08/96 |
| TPH as Oil | GC-FID | 0.3 * | 0.2 | mg/L | 05/08/96 |

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

LAW/CRANDALL, INC.

SAMPLE ID: MW-2
 AEN LAB NO: 9604339-02F
 AEN WORK ORDER: 9604339
 CLIENT PROJ. ID: 70424-6-0004

DATE SAMPLED: 04/24/96
 DATE RECEIVED: 04/25/96
 REPORT DATE: 05/13/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|-------------------------------|-----------------|--------|--------------------|-------|------------------|
| EPA 8010 - Water matrix | EPA 8010 | | | | |
| Bromodichloromethane | 75-27-4 | ND | 0.5 | ug/L | 04/27/96 |
| Bromoform | 75-25-2 | ND | 0.5 | ug/L | 04/27/96 |
| Bromomethane | 74-83-9 | ND | 2 | ug/L | 04/27/96 |
| Carbon Tetrachloride | 56-23-5 | ND | 0.5 | ug/L | 04/27/96 |
| Chlorobenzene | 108-90-7 | ND | 0.5 | ug/L | 04/27/96 |
| Chloroethane | 75-00-3 | ND | 2 | ug/L | 04/27/96 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | ND | 0.5 | ug/L | 04/27/96 |
| Chloroform | 67-66-3 | ND | 0.5 | ug/L | 04/27/96 |
| Chloromethane | 74-87-3 | ND | 2 | ug/L | 04/27/96 |
| Dibromochloromethane | 124-48-1 | ND | 0.5 | ug/L | 04/27/96 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | 0.5 | ug/L | 04/27/96 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | 0.5 | ug/L | 04/27/96 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | 0.5 | ug/L | 04/27/96 |
| Dichlorodifluoromethane | 75-71-8 | ND | 2 | ug/L | 04/27/96 |
| 1,1-Dichloroethane | 75-34-3 | ND | 0.5 | ug/L | 04/27/96 |
| 1,2-Dichloroethane | 107-06-2 | ND | 0.5 | ug/L | 04/27/96 |
| 1,1-Dichloroethene | 75-35-4 | ND | 0.5 | ug/L | 04/27/96 |
| cis-1,2-Dichloroethene | 156-59-2 | ND | 0.5 | ug/L | 04/27/96 |
| trans-1,2-Dichloroethene | 156-60-5 | ND | 0.5 | ug/L | 04/27/96 |
| 1,2-Dichloropropane | 78-87-5 | ND | 0.5 | ug/L | 04/27/96 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | 0.5 | ug/L | 04/27/96 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | 0.5 | ug/L | 04/27/96 |
| Methylene Chloride | 75-09-2 | ND | 2 | ug/L | 04/27/96 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | 0.5 | ug/L | 04/27/96 |
| Tetrachloroethene | 127-18-4 | ND | 0.5 | ug/L | 04/27/96 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 0.5 | ug/L | 04/27/96 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 0.5 | ug/L | 04/27/96 |
| Trichloroethene | 79-01-6 | ND | 0.5 | ug/L | 04/27/96 |
| Trichlorofluoromethane | 75-69-4 | ND | 2 | ug/L | 04/27/96 |
| 1,1,2Trichlorotrifluoroethane | 76-13-1 | ND | 0.5 | ug/L | 04/27/96 |
| Vinyl Chloride | 75-01-4 | ND | 2 | ug/L | 04/27/96 |

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

LAW/CRANDALL, INC.

SAMPLE ID: MW-2
 AEN LAB NO: 9604339-02I
 AEN WORK ORDER: 9604339
 CLIENT PROJ. ID: 70424-6-0004

DATE SAMPLED: 04/24/96
 DATE RECEIVED: 04/25/96
 REPORT DATE: 05/13/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|------------------------|-----------------|--------|--------------------|------------|------------------|
| #Extraction for PNAs | EPA 3520 | - | | Extrn Date | 05/01/96 |
| PNAs by EPA 8270 | EPA 8270 | | | | |
| Acenaphthene | 83-32-9 | ND | 10 | ug/L | 05/08/96 |
| Acenaphthylene | 208-96-8 | ND | 10 | ug/L | 05/08/96 |
| Anthracene | 120-12-7 | ND | 10 | ug/L | 05/08/96 |
| Benzo(a)anthracene | 56-55-3 | ND | 10 | ug/L | 05/08/96 |
| Benzo(b)fluoranthene | 205-99-2 | ND | 10 | ug/L | 05/08/96 |
| Benzo(k)fluoranthene | 207-08-9 | ND | 10 | ug/L | 05/08/96 |
| Benzo(g,h,i)perylene | 191-24-2 | ND | 10 | ug/L | 05/08/96 |
| Benzo(a)pyrene | 50-32-8 | ND | 10 | ug/L | 05/08/96 |
| Chrysene | 218-01-9 | ND | 10 | ug/L | 05/08/96 |
| Dibenzo(a,h)anthracene | 53-70-3 | ND | 10 | ug/L | 05/08/96 |
| Fluoranthene | 206-44-0 | ND | 10 | ug/L | 05/08/96 |
| Fluorene | 86-73-7 | ND | 10 | ug/L | 05/08/96 |
| Indeno(1,2,3-cd)pyrene | 193-39-5 | ND | 10 | ug/L | 05/08/96 |
| Naphthalene | 91-20-3 | ND | 10 | ug/L | 05/08/96 |
| Phenanthrene | 85-01-8 | ND | 10 | ug/L | 05/08/96 |
| Pyrene | 129-00-0 | ND | 10 | ug/L | 05/08/96 |

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

LAW/CRANDALL, INC.

SAMPLE ID: MW-2
 AEN LAB NO: 9604339-02K
 AEN WORK ORDER: 9604339
 CLIENT PROJ. ID: 70424-6-0004

DATE SAMPLED: 04/24/96
 DATE RECEIVED: 04/25/96
 REPORT DATE: 05/13/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|----------------------------|-----------------|--------|--------------------|------------|------------------|
| #Sample Filtration | 0.45 um | - | | Filtr Date | 04/25/96 |
| #Digestion, Metals by GFAA | EPA 3020 | - | | Prep Date | 04/30/96 |
| Arsenic | EPA 7060 | ND | 0.002 | mg/L | 04/30/96 |
| #Digestion, Metals by ICP | EPA 3010 | - | | Prep Date | 04/30/96 |
| Cadmium | EPA 6010 | ND | 0.005 | mg/L | 05/02/96 |
| Chromium | EPA 6010 | ND | 0.01 | mg/L | 05/02/96 |
| Lead | EPA 6010 | ND | 0.04 | mg/L | 05/02/96 |
| Nickel | EPA 6010 | ND | 0.01 | mg/L | 05/02/96 |
| Zinc | EPA 6010 | ND | 0.01 | mg/L | 05/02/96 |

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

LAW/CRANDALL, INC.

SAMPLE ID: MW-3
AEN LAB NO: 9604339-03A
AEN WORK ORDER: 9604339
CLIENT PROJ. ID: 70424-6-0004

DATE SAMPLED: 04/24/96
DATE RECEIVED: 04/25/96
REPORT DATE: 05/13/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------------------------|-----------------|--------|--------------------|-------|------------------|
| BTEX & Gasoline HCs | EPA 8020 | | | | |
| Benzene | 71-43-2 | ND | 0.5 | ug/L | 05/01/96 |
| Toluene | 108-88-3 | ND | 0.5 | ug/L | 05/01/96 |
| Ethylbenzene | 100-41-4 | ND | 0.5 | ug/L | 05/01/96 |
| Xylenes, Total | 1330-20-7 | ND | 2 | ug/L | 05/01/96 |
| Purgeable HCs as Gasoline | 5030/GCFID | ND | 0.05 | mg/L | 05/01/96 |
| Methyl t-Butyl Ether | EPA 8020 | ND | 50 | ug/L | 05/01/96 |

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

LAW/CRANDALL, INC.

SAMPLE ID: MW-3
 AEN LAB NO: 9604339-03D
 AEN WORK ORDER: 9604339
 CLIENT PROJ. ID: 70424-6-0004

DATE SAMPLED: 04/24/96
 DATE RECEIVED: 04/25/96
 REPORT DATE: 05/13/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------------------|-----------------|--------|--------------------|------------|------------------|
| #Extraction for TPH | EPA 3510 | - | | Extrn Date | 05/06/96 |
| TPH as Diesel | GC-FID | 0.58 * | 0.05 | mg/L | 05/08/96 |
| TPH as Oil | GC-FID | ND | 0.2 | mg/L | 05/08/96 |

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

LAW/CRANDALL, INC.

SAMPLE ID: MW-3
 AEN LAB NO: 9604339-03F
 AEN WORK ORDER: 9604339
 CLIENT PROJ. ID: 70424-6-0004

DATE SAMPLED: 04/24/96
 DATE RECEIVED: 04/25/96
 REPORT DATE: 05/13/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|-------------------------------|-----------------|--------|--------------------|-------|------------------|
| EPA 8010 - Water matrix | EPA 8010 | | | | |
| Bromodichloromethane | 75-27-4 | ND | 0.5 | ug/L | 04/27/96 |
| Bromoform | 75-25-2 | ND | 0.5 | ug/L | 04/27/96 |
| Bromomethane | 74-83-9 | ND | 2 | ug/L | 04/27/96 |
| Carbon Tetrachloride | 56-23-5 | ND | 0.5 | ug/L | 04/27/96 |
| Chlorobenzene | 108-90-7 | ND | 0.5 | ug/L | 04/27/96 |
| Chloroethane | 75-00-3 | ND | 2 | ug/L | 04/27/96 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | ND | 0.5 | ug/L | 04/27/96 |
| Chloroform | 67-66-3 | ND | 0.5 | ug/L | 04/27/96 |
| Chloromethane | 74-87-3 | ND | 2 | ug/L | 04/27/96 |
| Dibromochloromethane | 124-48-1 | ND | 0.5 | ug/L | 04/27/96 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | 0.5 | ug/L | 04/27/96 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | 0.5 | ug/L | 04/27/96 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | 0.5 | ug/L | 04/27/96 |
| Dichlorodifluoromethane | 75-71-8 | ND | 2 | ug/L | 04/27/96 |
| 1,1-Dichloroethane | 75-34-3 | ND | 0.5 | ug/L | 04/27/96 |
| 1,2-Dichloroethane | 107-06-2 | ND | 0.5 | ug/L | 04/27/96 |
| 1,1-Dichloroethene | 75-35-4 | ND | 0.5 | ug/L | 04/27/96 |
| cis-1,2-Dichloroethene | 156-59-2 | ND | 0.5 | ug/L | 04/27/96 |
| trans-1,2-Dichloroethene | 156-60-5 | ND | 0.5 | ug/L | 04/27/96 |
| 1,2-Dichloropropane | 78-87-5 | ND | 0.5 | ug/L | 04/27/96 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | 0.5 | ug/L | 04/27/96 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | 0.5 | ug/L | 04/27/96 |
| Methylene Chloride | 75-09-2 | ND | 2 | ug/L | 04/27/96 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | 0.5 | ug/L | 04/27/96 |
| Tetrachloroethene | 127-18-4 | ND | 0.5 | ug/L | 04/27/96 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 0.5 | ug/L | 04/27/96 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 0.5 | ug/L | 04/27/96 |
| Trichloroethene | 79-01-6 | ND | 0.5 | ug/L | 04/27/96 |
| Trichlorofluoromethane | 75-69-4 | ND | 2 | ug/L | 04/27/96 |
| 1,1,2Trichlorotrifluoroethane | 76-13-1 | ND | 0.5 | ug/L | 04/27/96 |
| Vinyl Chloride | 75-01-4 | ND | 2 | ug/L | 04/27/96 |

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

LAW/CRANDALL, INC.

SAMPLE ID: MW-3
 AEN LAB NO: 9604339-03I
 AEN WORK ORDER: 9604339
 CLIENT PROJ. ID: 70424-6-0004

DATE SAMPLED: 04/24/96
 DATE RECEIVED: 04/25/96
 REPORT DATE: 05/13/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|------------------------|-----------------|--------|--------------------|------------|------------------|
| #Extraction for PNAs | EPA 3520 | - | | Extrn Date | 05/01/96 |
| PNAs by EPA 8270 | EPA 8270 | | | | |
| Acenaphthene | 83-32-9 | ND | 10 | ug/L | 05/08/96 |
| Acenaphthylene | 208-96-8 | ND | 10 | ug/L | 05/08/96 |
| Anthracene | 120-12-7 | ND | 10 | ug/L | 05/08/96 |
| Benzo(a)anthracene | 56-55-3 | ND | 10 | ug/L | 05/08/96 |
| Benzo(b)fluoranthene | 205-99-2 | ND | 10 | ug/L | 05/08/96 |
| Benzo(k)fluoranthene | 207-08-9 | ND | 10 | ug/L | 05/08/96 |
| Benzo(g,h,i)perylene | 191-24-2 | ND | 10 | ug/L | 05/08/96 |
| Benzo(a)pyrene | 50-32-8 | ND | 10 | ug/L | 05/08/96 |
| Chrysene | 218-01-9 | ND | 10 | ug/L | 05/08/96 |
| Dibenzo(a,h)anthracene | 53-70-3 | ND | 10 | ug/L | 05/08/96 |
| Fluoranthene | 206-44-0 | ND | 10 | ug/L | 05/08/96 |
| Fluorene | 86-73-7 | ND | 10 | ug/L | 05/08/96 |
| Indeno(1,2,3-cd)pyrene | 193-39-5 | ND | 10 | ug/L | 05/08/96 |
| Naphthalene | 91-20-3 | ND | 10 | ug/L | 05/08/96 |
| Phenanthrene | 85-01-8 | ND | 10 | ug/L | 05/08/96 |
| Pyrene | 129-00-0 | ND | 10 | ug/L | 05/08/96 |

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

LAW/CRANDALL, INC.

SAMPLE ID: MW-3
 AEN LAB NO: 9604339-03K
 AEN WORK ORDER: 9604339
 CLIENT PROJ. ID: 70424-6-0004

DATE SAMPLED: 04/24/96
 DATE RECEIVED: 04/25/96
 REPORT DATE: 05/13/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|----------------------------|-----------------|---------|--------------------|------------|------------------|
| #Sample Filtration | 0.45 um | - | | Filtr Date | 04/25/96 |
| #Digestion, Metals by GFAA | EPA 3020 | - | | Prep Date | 04/30/96 |
| Arsenic | EPA 7060 | 0.034 * | 0.002 | mg/L | 04/30/96 |
| #Digestion, Metals by ICP | EPA 3010 | - | | Prep Date | 04/30/96 |
| Cadmium | EPA 6010 | ND | 0.005 | mg/L | 05/02/96 |
| Chromium | EPA 6010 | ND | 0.01 | mg/L | 05/02/96 |
| Lead | EPA 6010 | ND | 0.04 | mg/L | 05/02/96 |
| Nickel | EPA 6010 | 0.02 * | 0.01 | mg/L | 05/02/96 |
| Zinc | EPA 6010 | ND | 0.01 | mg/L | 05/02/96 |

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

AEN (CALIFORNIA)
QUALITY CONTROL REPORT

AEN JOB NUMBER: 9604339

CLIENT PROJECT ID: 70424-6-0004

Quality Control and Project Summary

All laboratory quality control parameters were found to be within established limits.

Definitions

Laboratory Control Sample (LCS)/Method Spike(s): Control samples of known composition. LCS and Method Spike data are used to validate batch analytical results.

Matrix Spike(s): Aliquot of a sample (aqueous or solid) with added quantities of specific compounds and subjected to the entire analytical procedure. Matrix spike and matrix spike duplicate QC data are advisory.

Method Blank: An analytical control consisting of all reagents, internal standards, and surrogate standards carried through the entire analytical process. Used to monitor laboratory background and reagent contamination.

Not Detected (ND): Not detected at or above the reporting limit.

Relative Percent Difference (RPD): An indication of method precision based on duplicate analysis.

Reporting Limit (RL): The lowest concentration routinely determined during laboratory operations. The RL is generally 1 to 10 times the Method Detection Limit (MDL). Reporting limits are matrix, method, and analyte dependent and take into account any dilutions performed as part of the analysis.

Surrogates: Organic compounds which are similar to analytes of interest in chemical behavior, but are not found in environmental samples. Surrogates are added to all blanks, calibration and check standards, samples, and spiked samples. Surrogate recovery is monitored as an indication of acceptable sample preparation and instrumental performance.

D: Surrogates diluted out.

#: Indicates result outside of established laboratory QC limits.

QUALITY CONTROL DATA
METHOD: EPA 3510 GCFID

AEN JOB NO: 9604339
DATE EXTRACTED: 05/06/96
INSTRUMENT: A
MATRIX: WATER

Surrogate Standard Recovery Summary

| Date Analyzed | Client Id. | Lab Id. | Percent Recovery | |
|---------------|------------|---------|------------------|--|
| | | | n-Pentacosane | |
| 05/08/96 | MW-1 | 01 | 98 | |
| 05/08/96 | MW-2 | 02 | 93 | |
| 05/08/96 | MW-3 | 03 | 96 | |
| QC Limits: | | | 58-118 | |

DATE EXTRACTED: 05/06/95
DATE ANALYZED: 05/07/95
SAMPLE SPIKED: 9604270-14
INSTRUMENT: A

Matrix Spike Recovery Summary

| Analyte | Spike Added (mg/L) | Average Percent Recovery | RPD | QC Limits | |
|---------|--------------------|--------------------------|-----|------------------|-----|
| | | | | Percent Recovery | RPD |
| Diesel | 4.00 | 93 | 2 | 58-107 | 15 |

Daily method blanks for all associated analytical runs showed no contamination at or above the reporting limit.

QUALITY CONTROL DATA

METHOD: EPA 8010

AEN JOB NO: 9604339
 INSTRUMENT: I
 MATRIX: WATER

Surrogate Standard Recovery Summary

| Date Analyzed | Client Id. | Lab Id. | Percent Recovery | |
|---------------|------------|---------|---------------------|--------------------------|
| | | | Bromochloro-methane | 1-Bromo-3-chloro-propane |
| 04/27/96 | MW-1 | 01 | 99 | 117 |
| 04/27/96 | MW-2 | 02 | 100 | 119 |
| 04/27/96 | MW-3 | 03 | 100 | 118 |
| QC Limits: | | | 70-130 | 70-130 |

DATE ANALYZED: 04/26/96
 SAMPLE SPIKED: 9604229-01
 INSTRUMENT: I

Matrix Spike Recovery Summary

| Analyte | Spike Added (ug/L) | Average Percent Recovery | RPD | QC Limits | |
|--------------------|--------------------|--------------------------|-----|------------------|-----|
| | | | | Percent Recovery | RPD |
| 1,1-Dichloroethene | 50 | 101 | <1 | 37-156 | 20 |
| Trichloroethene | 50 | 106 | 1 | 54-122 | 20 |
| Chlorobenzene | 50 | 96 | 2 | 54-141 | 20 |

Daily method blanks for all associated analytical runs showed no contamination at or above the reporting limit.

QUALITY CONTROL DATA

METHOD: EPA 8020, 5030 GCFID

AEN JOB NO: 9604339
 INSTRUMENT: H
 MATRIX: WATER

Surrogate Standard Recovery Summary

| Date Analyzed | Client Id. | Lab Id. | Percent Recovery Fluorobenzene |
|---------------|------------|---------|--------------------------------|
| 05/01/96 | MW-1 | 01 | 101 |
| 05/01/96 | MW-2 | 02 | 102 |
| 05/01/96 | MW-3 | 03 | 102 |
| QC Limits: | | | 70-130 |

DATE ANALYZED: 05/01/96
 SAMPLE SPIKED: 9604318-07
 INSTRUMENT: H

Matrix Spike Recovery Summary

| Analyte | Spike Added (ug/L) | Average Percent Recovery | RPD | QC Limits | |
|--------------------------|--------------------|--------------------------|-----|------------------|-----|
| | | | | Percent Recovery | RPD |
| Benzene | 22.2 | 100 | 2 | 85-109 | 17 |
| Toluene | 73.9 | 96 | 8 | 87-111 | 16 |
| Hydrocarbons as Gasoline | 500 | 112 | 9 | 66-117 | 19 |

:

Daily method blanks for all associated analytical runs showed no contamination at or above the reporting limit.

QUALITY CONTROL DATA

METHOD: EPA 8270

AEN JOB NO: 9604339
 DATE EXTRACTED: 05/01/96
 INSTRUMENT: 11
 MATRIX: WATER

Surrogate Standard Recovery Summary

| Date Analyzed | Client Id. | Lab Id. | Percent Recovery | | | | | |
|---------------|------------|---------|------------------|-----------------------|------------------------------|-------------------|-----------------------|---------------------------|
| | | | 2-Fluoro-phenol | Phenol-d ₅ | Nitro-benzene-d ₅ | 2-Fluoro-biphenyl | 2,4,6-Tri-bromophenol | Terphenyl-d ₁₄ |
| 05/08/96 | MW-1 | 01 | 56 | 59 | 74 | 44 | 85 | 43 |
| 05/08/96 | MW-2 | 02 | 62 | 65 | 73 | 47 | 95 | 51 |
| 05/08/96 | MW-3 | 03 | 54 | 62 | 81 | 44 | 97 | 44 |
| QC Limits: | | | 21-100 | 10-94 | 35-114 | 43-116 | 10-123 | 33-141 |

DATE EXTRACTED: 05/01/96
 DATE ANALYZED: 05/07/96
 SAMPLE SPIKED: LCS
 INSTRUMENT: 11

Laboratory Control Sample Recovery

| Analyte | Spike Added (ug/L) | Percent Recovery | QC Limits |
|---------------------------|--------------------|------------------|------------------|
| | | | Percent Recovery |
| Phenol | 200 | 80 | 5-112 |
| 2-Chlorophenol | 200 | 76 | 23-134 |
| 1,4-Dichlorobenzene | 200 | 76 | 20-124 |
| N-Nitrosodi-n-propylamine | 200 | 92 | 0-230 |
| 1,2,4-Trichlorobenzene | 200 | 78 | 44-142 |
| 4-Chloro-3-methylphenol | 200 | 94 | 22-147 |
| Acenaphthene | 200 | 86 | 47-145 |
| 4-Nitrophenol | 200 | 110 | 0-132 |
| 2,4-Dinitrotoluene | 200 | 86 | 0-112 |
| Pentachlorophenol | 200 | 78 | 14-176 |
| Pyrene | 200 | 74 | 52-115 |

Daily method blanks for all associated analytical runs showed no contamination at or above the reporting limit.

QUALITY CONTROL DATA

AEN JOB NO: 9604339
SAMPLE SPIKED: DI WATER
DATE(S) ANALYZED: 04/30-05/02/96
MATRIX: WATER

Method Blank and Spike Recovery Summary

| Analyte | Inst./ Method | Blank Result (mg/L) | Spike Added (mg/L) | Percent Recovery | RPD | QC Limits | |
|--------------|------------------|---------------------------|--------------------------|---------------------|-----|---------------------|-----|
| | | | | | | Percent Recovery | RPD |
| As, Arsenic | 4000/7060 | ND | 0.04 | 99 | 3 | 69-136 | 12 |
| Cd, Cadmium | ICP/6010 | ND | 0.05 | 106 | 5 | 84-120 | 10 |
| Cr, Chromium | ICP/6010 | ND | 0.1 | 111 | <1 | 85-128 | 10 |
| Ni, Nickel | ICP/6010 | ND | 0.01 | 110 | 1 | 92-121 | 10 |
| Pb, Lead | ICP/6010 | ND | 0.5 | 109 | 1 | 90-122 | 10 |
| Zn, Zinc | ICP/6010 | ND | 0.25 | 112 | 1 | 90-121 | 10 |

*** END OF REPORT ***

Reporting Information:

1. Client: David Campbell
 Address: 2000 14th St
San Francisco, CA 94114
 Contact: David Campbell
 Alt. Contact: David Campbell

American Environmental Network

3440 Vincent Road, Pleasant Hill, CA 94523
 Phone (510) 930-9090
 FAX (510) 930-0256

AEN

REQUEST FOR ANALYSIS / CHAIN OF CUSTODY

Lab Job Number: _____
 Lab Destination: _____
 Date Samples Shipped: 4/15/95
 Lab Contact: _____
 Date Results Required: 2 day maximum
 Date Report Required: _____
 Client Phone No.: 415 784 2000
 Client FAX No.: 415 434 3251

Address Report To:

2. _____

Send Invoice To:

3. Same as 1

Send Report To: 1 or 2 (Circle one)

Client P.O. No.: _____ Client Project I.D. No.: 94-14-0005

Sample Team Member (s) ALM

| Lab Number | Client Sample Identification | Air Volume | Date/Time Collected | Sample Type* | Pres. | No. of Cont. | Type of Cont. | ANALYSIS | | | | | | | | | | | Comments / Hazards | | | |
|--|------------------------------|------------|---------------------|--|-------|--------------|---------------|----------|-----|-----|----------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------------|---------------|---|----------------------------|
| | | | | | | | | THC | THC | THC | EPA 8010 | PAHs by GC/MS | PAHs by GC/MS | PAHs by GC/MS | PAHs by GC/MS | PAHs by GC/MS | PAHs by GC/MS | PAHs by GC/MS | | PAHs by GC/MS | | |
| | | | 4/17 8:50 | 7 | | 11 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | 4 Filter Metal Sample 100% |
| | | | 4/17 10:45 | 7 | | 11 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | 4 Filter Metal Sample 100% |
| | | | 4/17 11:15 | 7 | | 11 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | 4 Filter Metal Sample 100% |
| | | | 4/17 12:00 | 7 | | 11 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | 4 Filter Metal Sample 100% |
| | | | 4/17 17:00 | 7 | | 11 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | 4 Filter Metal Sample 100% |
| | | | 4/17 13:50 | 7 | | 11 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | 4 Filter Metal Sample 100% |
| Relinquished by: (Signature) <u>David Campbell</u> | | DATE | TIME | Received by: (Signature) <u>Michael...</u> | | DATE | TIME | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) <u>Michael...</u> | | DATE | TIME | Received by: (Signature) <u>Michael...</u> | | DATE | TIME | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) _____ | | DATE | TIME | Received by: (Signature) _____ | | DATE | TIME | | | | | | | | | | | | | | | |
| Method of Shipment | | | | | | | Lab Comments | | | | | | | | | | | | | | | |

*Sample type (Specify): 1) 37mm 0.8 µm MCEF 2) 25mm 0.8 µm MCEF 3) 25mm 0.4 µm polycarb. filter
 4) PVC filter, diam. _____ pore size _____ 5) Charcoal tube 6) Silica gel tube 7) Water 8) Soil 9) Bulk Sample
 10) Other _____ 11) Other _____

American Environmental Network

Certificate of Analysis

DOHS Certification: 1172

AIHA Accreditation: 11134

PAGE 1

LAW/CRANDALL, INC.
875 BATTERY ST.
SAN FRANCISCO, CA 94111-1513

REPORT DATE: 05/13/96

DATE(S) SAMPLED: 04/24/96

DATE RECEIVED: 04/25/96

ATTN: MARK MILLER
CLIENT PROJ. ID: 70424-6-0004

AEN WORK ORDER: 9604340

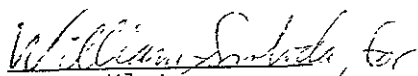
PROJECT SUMMARY:

On April 25, 1996, this laboratory received 3 water sample(s).

Client requested sample(s) be analyzed for chemical parameters. Results of analysis are summarized on the following page(s). Please see quality control report for a summary of QC data pertaining to this project.

Samples will be stored for 30 days after completion of analysis, then disposed of in accordance with State and Federal regulations. Samples may be archived by prior arrangement.

If you have any questions, please contact Client Services at (510) 930-9090.


Larry Klein
Laboratory Director

LAW/CRANDALL, INC.

SAMPLE ID: MW-4
AEN LAB NO: 9604340-01A
AEN WORK ORDER: 9604340
CLIENT PROJ. ID: 70424-6-0004

DATE SAMPLED: 04/24/96
DATE RECEIVED: 04/25/96
REPORT DATE: 05/13/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------------------------|-----------------|--------|--------------------|-------|------------------|
| BTEX & Gasoline HCs | EPA 8020 | | | | |
| Benzene | 71-43-2 | ND | 0.5 | ug/L | 05/01/96 |
| Toluene | 108-88-3 | ND | 0.5 | ug/L | 05/01/96 |
| Ethylbenzene | 100-41-4 | ND | 0.5 | ug/L | 05/01/96 |
| Xylenes, Total | 1330-20-7 | ND | 2 | ug/L | 05/01/96 |
| Purgeable HCs as Gasoline | 5030/GCFID | ND | 0.05 | mg/L | 05/01/96 |
| Methyl t-Butyl Ether | EPA 8020 | ND | 50 | ug/L | 05/01/96 |

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

LAW/CRANDALL, INC.

SAMPLE ID: MW-4
AEN LAB NO: 9604340-01D
AEN WORK ORDER: 9604340
CLIENT PROJ. ID: 70424-6-0004

DATE SAMPLED: 04/24/96
DATE RECEIVED: 04/25/96
REPORT DATE: 05/13/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------------------|-----------------|--------|--------------------|------------|------------------|
| #Extraction for TPH | EPA 3510 | - | | Extrn Date | 05/06/96 |
| TPH as Diesel | GC-FID | ND | 0.05 | mg/L | 05/07/96 |
| TPH as Oil | GC-FID | ND | 0.2 | mg/L | 05/07/96 |

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

LAW/CRANDALL, INC.

SAMPLE ID: MW-4
 AEN LAB NO: 9604340-01F
 AEN WORK ORDER: 9604340
 CLIENT PROJ. ID: 70424-6-0004

DATE SAMPLED: 04/24/96
 DATE RECEIVED: 04/25/96
 REPORT DATE: 05/13/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|-------------------------------|-----------------|--------|--------------------|-------|------------------|
| EPA 8010 - Water matrix | EPA 8010 | | | | |
| Bromodichloromethane | 75-27-4 | ND | 0.5 | ug/L | 04/27/96 |
| Bromoform | 75-25-2 | ND | 0.5 | ug/L | 04/27/96 |
| Bromomethane | 74-83-9 | ND | 2 | ug/L | 04/27/96 |
| Carbon Tetrachloride | 56-23-5 | ND | 0.5 | ug/L | 04/27/96 |
| Chlorobenzene | 108-90-7 | ND | 0.5 | ug/L | 04/27/96 |
| Chloroethane | 75-00-3 | ND | 2 | ug/L | 04/27/96 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | ND | 0.5 | ug/L | 04/27/96 |
| Chloroform | 67-66-3 | ND | 0.5 | ug/L | 04/27/96 |
| Chloromethane | 74-87-3 | ND | 2 | ug/L | 04/27/96 |
| Dibromochloromethane | 124-48-1 | ND | 0.5 | ug/L | 04/27/96 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | 0.5 | ug/L | 04/27/96 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | 0.5 | ug/L | 04/27/96 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | 0.5 | ug/L | 04/27/96 |
| Dichlorodifluoromethane | 75-71-8 | ND | 2 | ug/L | 04/27/96 |
| 1,1-Dichloroethane | 75-34-3 | ND | 0.5 | ug/L | 04/27/96 |
| 1,2-Dichloroethane | 107-06-2 | ND | 0.5 | ug/L | 04/27/96 |
| 1,1-Dichloroethene | 75-35-4 | ND | 0.5 | ug/L | 04/27/96 |
| cis-1,2-Dichloroethene | 156-59-2 | ND | 0.5 | ug/L | 04/27/96 |
| trans-1,2-Dichloroethene | 156-60-5 | ND | 0.5 | ug/L | 04/27/96 |
| 1,2-Dichloropropane | 78-87-5 | ND | 0.5 | ug/L | 04/27/96 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | 0.5 | ug/L | 04/27/96 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | 0.5 | ug/L | 04/27/96 |
| Methylene Chloride | 75-09-2 | ND | 2 | ug/L | 04/27/96 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | 0.5 | ug/L | 04/27/96 |
| Tetrachloroethene | 127-18-4 | ND | 0.5 | ug/L | 04/27/96 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 0.5 | ug/L | 04/27/96 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 0.5 | ug/L | 04/27/96 |
| Trichloroethene | 79-01-6 | ND | 0.5 | ug/L | 04/27/96 |
| Trichlorofluoromethane | 75-69-4 | ND | 2 | ug/L | 04/27/96 |
| 1,1,2Trichlorotrifluoroethane | 76-13-1 | ND | 0.5 | ug/L | 04/27/96 |
| Vinyl Chloride | 75-01-4 | ND | 2 | ug/L | 04/27/96 |

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

LAW/CRANDALL, INC.

SAMPLE ID: MW-4
 AEN LAB NO: 9604340-011
 AEN WORK ORDER: 9604340
 CLIENT PROJ. ID: 70424-6-0004

DATE SAMPLED: 04/24/96
 DATE RECEIVED: 04/25/96
 REPORT DATE: 05/13/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|------------------------|-----------------|--------|--------------------|------------|------------------|
| #Extraction for PNAs | EPA 3520 | - | | Extrn Date | 05/01/96 |
| PNAs by EPA 8270 | EPA 8270 | | | | |
| Acenaphthene | 83-32-9 | ND | 10 | ug/L | 05/08/96 |
| Acenaphthylene | 208-96-8 | ND | 10 | ug/L | 05/08/96 |
| Anthracene | 120-12-7 | ND | 10 | ug/L | 05/08/96 |
| Benzo(a)anthracene | 56-55-3 | ND | 10 | ug/L | 05/08/96 |
| Benzo(b)fluoranthene | 205-99-2 | ND | 10 | ug/L | 05/08/96 |
| Benzo(k)fluoranthene | 207-08-9 | ND | 10 | ug/L | 05/08/96 |
| Benzo(g,h,i)perylene | 191-24-2 | ND | 10 | ug/L | 05/08/96 |
| Benzo(a)pyrene | 50-32-8 | ND | 10 | ug/L | 05/08/96 |
| Chrysene | 218-01-9 | ND | 10 | ug/L | 05/08/96 |
| Dibenzo(a,h)anthracene | 53-70-3 | ND | 10 | ug/L | 05/08/96 |
| Fluoranthene | 206-44-0 | ND | 10 | ug/L | 05/08/96 |
| Fluorene | 86-73-7 | ND | 10 | ug/L | 05/08/96 |
| Indeno(1,2,3-cd)pyrene | 193-39-5 | ND | 10 | ug/L | 05/08/96 |
| Naphthalene | 91-20-3 | ND | 10 | ug/L | 05/08/96 |
| Phenanthrene | 85-01-8 | ND | 10 | ug/L | 05/08/96 |
| Pyrene | 129-00-0 | ND | 10 | ug/L | 05/08/96 |

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

LAW/CRANDALL, INC.

SAMPLE ID: MW-4
 AEN LAB NO: 9604340-01K
 AEN WORK ORDER: 9604340
 CLIENT PROJ. ID: 70424-6-0004

DATE SAMPLED: 04/24/96
 DATE RECEIVED: 04/25/96
 REPORT DATE: 05/13/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|----------------------------|-----------------|---------|--------------------|------------|------------------|
| #Sample Filtration | 0.45 um | - | | Filtr Date | 04/25/96 |
| #Digestion, Metals by GFAA | EPA 3020 | - | | Prep Date | 04/30/96 |
| Arsenic | EPA 7060 | 0.003 * | 0.002 | mg/L | 04/30/96 |
| #Digestion, Metals by ICP | EPA 3010 | - | | Prep Date | 04/30/96 |
| Cadmium | EPA 6010 | ND | 0.005 | mg/L | 05/02/96 |
| Chromium | EPA 6010 | ND | 0.01 | mg/L | 05/02/96 |
| Lead | EPA 6010 | ND | 0.04 | mg/L | 05/02/96 |
| Nickel | EPA 6010 | ND | 0.01 | mg/L | 05/02/96 |
| Zinc | EPA 6010 | ND | 0.01 | mg/L | 05/02/96 |

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

LAW/CRANDALL, INC.

SAMPLE ID: MW-5
AEN LAB NO: 9604340-02A
AEN WORK ORDER: 9604340
CLIENT PROJ. ID: 70424-6-0004

DATE SAMPLED: 04/24/96
DATE RECEIVED: 04/25/96
REPORT DATE: 05/13/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------------------------|-----------------|--------|--------------------|-------|------------------|
| BTEX & Gasoline HCs | EPA 8020 | | | | |
| Benzene | 71-43-2 | ND | 0.5 | ug/L | 05/01/96 |
| Toluene | 108-88-3 | ND | 0.5 | ug/L | 05/01/96 |
| Ethylbenzene | 100-41-4 | ND | 0.5 | ug/L | 05/01/96 |
| Xylenes, Total | 1330-20-7 | ND | 2 | ug/L | 05/01/96 |
| Purgeable HCs as Gasoline | 5030/GCFID | ND | 0.05 | mg/L | 05/01/96 |
| Methyl t-Butyl Ether | EPA 8020 | ND | 50 | ug/L | 05/01/96 |

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

LAW/CRANDALL, INC.

SAMPLE ID: MW-5
AEN LAB NO: 9604340-02D
AEN WORK ORDER: 9604340
CLIENT PROJ. ID: 70424-6-0004

DATE SAMPLED: 04/24/96
DATE RECEIVED: 04/25/96
REPORT DATE: 05/13/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------------------|-----------------|--------|--------------------|------------|------------------|
| #Extraction for TPH | EPA 3510 | - | | Extrn Date | 05/06/96 |
| TPH as Diesel | GC-FID | 0.44 * | 0.05 | mg/L | 05/07/96 |
| TPH as Oil | GC-FID | ND | 0.2 | mg/L | 05/07/96 |

ND = Not detected at or above the reporting limit

* = Value at or above reporting limit

LAW/CRANDALL, INC.

SAMPLE ID: MW-5
 AEN LAB NO: 9604340-02F
 AEN WORK ORDER: 9604340
 CLIENT PROJ. ID: 70424-6-0004

DATE SAMPLED: 04/24/96
 DATE RECEIVED: 04/25/96
 REPORT DATE: 05/13/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|-------------------------------|-----------------|--------|--------------------|-------|------------------|
| EPA 8010 - Water matrix | EPA 8010 | | | | |
| Bromodichloromethane | 75-27-4 | ND | 0.5 | ug/L | 04/27/96 |
| Bromoform | 75-25-2 | ND | 0.5 | ug/L | 04/27/96 |
| Bromomethane | 74-83-9 | ND | 2 | ug/L | 04/27/96 |
| Carbon Tetrachloride | 56-23-5 | ND | 0.5 | ug/L | 04/27/96 |
| Chlorobenzene | 108-90-7 | ND | 0.5 | ug/L | 04/27/96 |
| Chloroethane | 75-00-3 | ND | 2 | ug/L | 04/27/96 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | ND | 0.5 | ug/L | 04/27/96 |
| Chloroform | 67-66-3 | ND | 0.5 | ug/L | 04/27/96 |
| Chloromethane | 74-87-3 | ND | 2 | ug/L | 04/27/96 |
| Dibromochloromethane | 124-48-1 | ND | 0.5 | ug/L | 04/27/96 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | 0.5 | ug/L | 04/27/96 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | 0.5 | ug/L | 04/27/96 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | 0.5 | ug/L | 04/27/96 |
| Dichlorodifluoromethane | 75-71-8 | ND | 2 | ug/L | 04/27/96 |
| 1,1-Dichloroethane | 75-34-3 | ND | 0.5 | ug/L | 04/27/96 |
| 1,2-Dichloroethane | 107-06-2 | ND | 0.5 | ug/L | 04/27/96 |
| 1,1-Dichloroethene | 75-35-4 | ND | 0.5 | ug/L | 04/27/96 |
| cis-1,2-Dichloroethene | 156-59-2 | ND | 0.5 | ug/L | 04/27/96 |
| trans-1,2-Dichloroethene | 156-60-5 | ND | 0.5 | ug/L | 04/27/96 |
| 1,2-Dichloropropane | 78-87-5 | ND | 0.5 | ug/L | 04/27/96 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | 0.5 | ug/L | 04/27/96 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | 0.5 | ug/L | 04/27/96 |
| Methylene Chloride | 75-09-2 | ND | 2 | ug/L | 04/27/96 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | 0.5 | ug/L | 04/27/96 |
| Tetrachloroethene | 127-18-4 | ND | 0.5 | ug/L | 04/27/96 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 0.5 | ug/L | 04/27/96 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 0.5 | ug/L | 04/27/96 |
| Trichloroethene | 79-01-6 | ND | 0.5 | ug/L | 04/27/96 |
| Trichlorofluoromethane | 75-69-4 | ND | 2 | ug/L | 04/27/96 |
| 1,1,2Trichlorotrifluoroethane | 76-13-1 | ND | 0.5 | ug/L | 04/27/96 |
| Vinyl Chloride | 75-01-4 | ND | 2 | ug/L | 04/27/96 |

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

LAW/CRANDALL, INC.

SAMPLE ID: MW-5
 AEN LAB NO: 9604340-02I
 AEN WORK ORDER: 9604340
 CLIENT PROJ. ID: 70424-6-0004

DATE SAMPLED: 04/24/96
 DATE RECEIVED: 04/25/96
 REPORT DATE: 05/13/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|------------------------|-----------------|--------|--------------------|------------|------------------|
| #Extraction for PNAs | EPA 3520 | - | | Extrn Date | 05/01/96 |
| PNAs by EPA 8270 | EPA 8270 | | | | |
| Acenaphthene | 83-32-9 | ND | 10 | ug/L | 05/08/96 |
| Acenaphthylene | 208-96-8 | ND | 10 | ug/L | 05/08/96 |
| Anthracene | 120-12-7 | ND | 10 | ug/L | 05/08/96 |
| Benzo(a)anthracene | 56-55-3 | ND | 10 | ug/L | 05/08/96 |
| Benzo(b)fluoranthene | 205-99-2 | ND | 10 | ug/L | 05/08/96 |
| Benzo(k)fluoranthene | 207-08-9 | ND | 10 | ug/L | 05/08/96 |
| Benzo(g,h,i)perylene | 191-24-2 | ND | 10 | ug/L | 05/08/96 |
| Benzo(a)pyrene | 50-32-8 | ND | 10 | ug/L | 05/08/96 |
| Chrysene | 218-01-9 | ND | 10 | ug/L | 05/08/96 |
| Dibenzo(a,h)anthracene | 53-70-3 | ND | 10 | ug/L | 05/08/96 |
| Fluoranthene | 206-44-0 | ND | 10 | ug/L | 05/08/96 |
| Fluorene | 86-73-7 | ND | 10 | ug/L | 05/08/96 |
| Indeno(1,2,3-cd)pyrene | 193-39-5 | ND | 10 | ug/L | 05/08/96 |
| Naphthalene | 91-20-3 | ND | 10 | ug/L | 05/08/96 |
| Phenanthrene | 85-01-8 | ND | 10 | ug/L | 05/08/96 |
| Pyrene | 129-00-0 | ND | 10 | ug/L | 05/08/96 |

ND = Not detected at or above the reporting limit

* = Value at or above reporting limit

LAW/CRANDALL, INC.

SAMPLE ID: MW-5
 AEN LAB NO: 9604340-02K
 AEN WORK ORDER: 9604340
 CLIENT PROJ. ID: 70424-6-0004

DATE SAMPLED: 04/24/96
 DATE RECEIVED: 04/25/96
 REPORT DATE: 05/13/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|----------------------------|-----------------|---------|--------------------|------------|------------------|
| #Sample Filtration | 0.45 um | - | | Filtr Date | 04/25/96 |
| #Digestion, Metals by GFAA | EPA 3020 | - | | Prep Date | 04/30/96 |
| Arsenic | EPA 7060 | 0.006 * | 0.002 | mg/L | 04/30/96 |
| #Digestion, Metals by ICP | EPA 3010 | - | | Prep Date | 04/30/96 |
| Cadmium | EPA 6010 | ND | 0.005 | mg/L | 05/03/96 |
| Chromium | EPA 6010 | ND | 0.01 | mg/L | 05/03/96 |
| Lead | EPA 6010 | ND | 0.04 | mg/L | 05/03/96 |
| Nickel | EPA 6010 | ND | 0.01 | mg/L | 05/03/96 |
| Zinc | EPA 6010 | ND | 0.01 | mg/L | 05/03/96 |

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

LAW/CRANDALL, INC.

SAMPLE ID: MW-6
 AEN LAB NO: 9604340-03A
 AEN WORK ORDER: 9604340
 CLIENT PROJ. ID: 70424-6-0004

DATE SAMPLED: 04/24/96
 DATE RECEIVED: 04/25/96
 REPORT DATE: 05/13/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------------------------|-----------------|--------|--------------------|-------|------------------|
| BTEX & Gasoline HCs | EPA 8020 | | | | |
| Benzene | 71-43-2 | ND | 0.5 | ug/L | 05/01/96 |
| Toluene | 108-88-3 | ND | 0.5 | ug/L | 05/01/96 |
| Ethylbenzene | 100-41-4 | ND | 0.5 | ug/L | 05/01/96 |
| Xylenes, Total | 1330-20-7 | ND | 2 | ug/L | 05/01/96 |
| Purgeable HCs as Gasoline | 5030/GCFID | ND | 0.05 | mg/L | 05/01/96 |
| Methyl t-Butyl Ether | EPA 8020 | ND | 50 | ug/L | 05/01/96 |

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

LAW/CRANDALL, INC.

SAMPLE ID: MW-6
AEN LAB NO: 9604340-03D
AEN WORK ORDER: 9604340
CLIENT PROJ. ID: 70424-6-0004

DATE SAMPLED: 04/24/96
DATE RECEIVED: 04/25/96
REPORT DATE: 05/13/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|---------------------|-----------------|--------|--------------------|------------|------------------|
| #Extraction for TPH | EPA 3510 | - | | Extrn Date | 05/06/96 |
| TPH as Diesel | GC-FID | 0.23 * | 0.05 | mg/L | 05/07/96 |
| TPH as Oil | GC-FID | ND | 0.2 | mg/L | 05/07/96 |

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

LAW/CRANDALL, INC.

SAMPLE ID: MW-6
 AEN LAB NO: 9604340-03F
 AEN WORK ORDER: 9604340
 CLIENT PROJ. ID: 70424-6-0004

DATE SAMPLED: 04/24/96
 DATE RECEIVED: 04/25/96
 REPORT DATE: 05/13/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|-------------------------------|-----------------|--------|--------------------|-------|------------------|
| EPA 8010 - Water matrix | EPA 8010 | | | | |
| Bromodichloromethane | 75-27-4 | ND | 0.5 | ug/L | 04/27/96 |
| Bromoform | 75-25-2 | ND | 0.5 | ug/L | 04/27/96 |
| Bromomethane | 74-83-9 | ND | 2 | ug/L | 04/27/96 |
| Carbon Tetrachloride | 56-23-5 | ND | 0.5 | ug/L | 04/27/96 |
| Chlorobenzene | 108-90-7 | ND | 0.5 | ug/L | 04/27/96 |
| Chloroethane | 75-00-3 | ND | 2 | ug/L | 04/27/96 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | ND | 0.5 | ug/L | 04/27/96 |
| Chloroform | 67-66-3 | ND | 0.5 | ug/L | 04/27/96 |
| Chloromethane | 74-87-3 | ND | 2 | ug/L | 04/27/96 |
| Dibromochloromethane | 124-48-1 | ND | 0.5 | ug/L | 04/27/96 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | 0.5 | ug/L | 04/27/96 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | 0.5 | ug/L | 04/27/96 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | 0.5 | ug/L | 04/27/96 |
| Dichlorodifluoromethane | 75-71-8 | ND | 2 | ug/L | 04/27/96 |
| 1,1-Dichloroethane | 75-34-3 | ND | 0.5 | ug/L | 04/27/96 |
| 1,2-Dichloroethane | 107-06-2 | ND | 0.5 | ug/L | 04/27/96 |
| 1,1-Dichloroethene | 75-35-4 | ND | 0.5 | ug/L | 04/27/96 |
| cis-1,2-Dichloroethene | 156-59-2 | ND | 0.5 | ug/L | 04/27/96 |
| trans-1,2-Dichloroethene | 156-60-5 | ND | 0.5 | ug/L | 04/27/96 |
| 1,2-Dichloropropane | 78-87-5 | ND | 0.5 | ug/L | 04/27/96 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | 0.5 | ug/L | 04/27/96 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | 0.5 | ug/L | 04/27/96 |
| Methylene Chloride | 75-09-2 | ND | 2 | ug/L | 04/27/96 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | 0.5 | ug/L | 04/27/96 |
| Tetrachloroethene | 127-18-4 | ND | 0.5 | ug/L | 04/27/96 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 0.5 | ug/L | 04/27/96 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 0.5 | ug/L | 04/27/96 |
| Trichloroethene | 79-01-6 | ND | 0.5 | ug/L | 04/27/96 |
| Trichlorofluoromethane | 75-69-4 | ND | 2 | ug/L | 04/27/96 |
| 1,1,2Trichlorotrifluoroethane | 76-13-1 | ND | 0.5 | ug/L | 04/27/96 |
| Vinyl Chloride | 75-01-4 | ND | 2 | ug/L | 04/27/96 |

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

LAW/CRANDALL, INC.

SAMPLE ID: MW-6
 AEN LAB NO: 9604340-03I
 AEN WORK ORDER: 9604340
 CLIENT PROJ. ID: 70424-6-0004

DATE SAMPLED: 04/24/96
 DATE RECEIVED: 04/25/96
 REPORT DATE: 05/13/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|------------------------|-----------------|--------|--------------------|------------|------------------|
| #Extraction for PNAs | EPA 3520 | - | | Extrn Date | 05/01/96 |
| PNAs by EPA 8270 | EPA 8270 | | | | |
| Acenaphthene | 83-32-9 | ND | 10 | ug/L | 05/08/96 |
| Acenaphthylene | 208-96-8 | ND | 10 | ug/L | 05/08/96 |
| Anthracene | 120-12-7 | ND | 10 | ug/L | 05/08/96 |
| Benzo(a)anthracene | 56-55-3 | ND | 10 | ug/L | 05/08/96 |
| Benzo(b)fluoranthene | 205-99-2 | ND | 10 | ug/L | 05/08/96 |
| Benzo(k)fluoranthene | 207-08-9 | ND | 10 | ug/L | 05/08/96 |
| Benzo(g,h,i)perylene | 191-24-2 | ND | 10 | ug/L | 05/08/96 |
| Benzo(a)pyrene | 50-32-8 | ND | 10 | ug/L | 05/08/96 |
| Chrysene | 218-01-9 | ND | 10 | ug/L | 05/08/96 |
| Dibenzo(a,h)anthracene | 53-70-3 | ND | 10 | ug/L | 05/08/96 |
| Fluoranthene | 206-44-0 | ND | 10 | ug/L | 05/08/96 |
| Fluorene | 86-73-7 | ND | 10 | ug/L | 05/08/96 |
| Indeno(1,2,3-cd)pyrene | 193-39-5 | ND | 10 | ug/L | 05/08/96 |
| Naphthalene | 91-20-3 | ND | 10 | ug/L | 05/08/96 |
| Phenanthrene | 85-01-8 | ND | 10 | ug/L | 05/08/96 |
| Pyrene | 129-00-0 | ND | 10 | ug/L | 05/08/96 |

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

LAW/CRANDALL, INC.

SAMPLE ID: MW-6
 AEN LAB NO: 9604340-03K
 AEN WORK ORDER: 9604340
 CLIENT PROJ. ID: 70424-6-0004

DATE SAMPLED: 04/24/96
 DATE RECEIVED: 04/25/96
 REPORT DATE: 05/13/96

| ANALYTE | METHOD/ CAS# | RESULT | REPORTING LIMIT | UNITS | DATE ANALYZED |
|----------------------------|-----------------|---------|--------------------|------------|------------------|
| #Sample Filtration | 0.45 um | - | | Filtr Date | 04/25/96 |
| #Digestion, Metals by GFAA | EPA 3020 | - | | Prep Date | 04/30/96 |
| Arsenic | EPA 7060 | 0.006 * | 0.002 | mg/L | 04/30/96 |
| #Digestion, Metals by ICP | EPA 3010 | - | | Prep Date | 04/30/96 |
| Cadmium | EPA 6010 | ND | 0.005 | mg/L | 05/03/96 |
| Chromium | EPA 6010 | ND | 0.01 | mg/L | 05/03/96 |
| Lead | EPA 6010 | ND | 0.04 | mg/L | 05/03/96 |
| Nickel | EPA 6010 | ND | 0.01 | mg/L | 05/03/96 |
| Zinc | EPA 6010 | ND | 0.01 | mg/L | 05/03/96 |

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

AEN (CALIFORNIA)
QUALITY CONTROL REPORT

AEN JOB NUMBER: 9604340

CLIENT PROJECT ID: 70424-6-0004

Quality Control and Project Summary

All laboratory quality control parameters were found to be within established limits.

Definitions

Laboratory Control Sample (LCS)/Method Spike(s): Control samples of known composition. LCS and Method Spike data are used to validate batch analytical results.

Matrix Spike(s): Aliquot of a sample (aqueous or solid) with added quantities of specific compounds and subjected to the entire analytical procedure. Matrix spike and matrix spike duplicate QC data are advisory.

Method Blank: An analytical control consisting of all reagents, internal standards, and surrogate standards carried through the entire analytical process. Used to monitor laboratory background and reagent contamination.

Not Detected (ND): Not detected at or above the reporting limit.

Relative Percent Difference (RPD): An indication of method precision based on duplicate analysis.

Reporting Limit (RL): The lowest concentration routinely determined during laboratory operations. The RL is generally 1 to 10 times the Method Detection Limit (MDL). Reporting limits are matrix, method, and analyte dependent and take into account any dilutions performed as part of the analysis.

Surrogates: Organic compounds which are similar to analytes of interest in chemical behavior, but are not found in environmental samples. Surrogates are added to all blanks, calibration and check standards, samples, and spiked samples. Surrogate recovery is monitored as an indication of acceptable sample preparation and instrumental performance.

D: Surrogates diluted out.

#: Indicates result outside of established laboratory QC limits.

QUALITY CONTROL DATA

METHOD: EPA 3510 GCFID

AEN JOB NO: 9604340
 DATE EXTRACTED: 05/06/96
 INSTRUMENT: A
 MATRIX: WATER

Surrogate Standard Recovery Summary

| Date Analyzed | Client Id. | Lab Id. | Percent Recovery | |
|---------------|------------|---------|------------------|--|
| | | | n-Pentacosane | |
| 05/07/96 | MW-4 | 01 | 101 | |
| 05/07/96 | MW-5 | 02 | 94 | |
| 05/08/96 | MW-6 | 03 | 100 | |
| QC Limits: | | | 58-118 | |

DATE EXTRACTED: 05/06/95
 DATE ANALYZED: 05/07/95
 SAMPLE SPIKED: 9604270-14
 INSTRUMENT: A

Matrix Spike Recovery Summary

| Analyte | Spike Added (mg/L) | Average Percent Recovery | RPD | QC Limits | |
|---------|--------------------|--------------------------|-----|------------------|-----|
| | | | | Percent Recovery | RPD |
| Diesel | 4.00 | 93 | 2 | 58-107 | 15 |

Daily method blanks for all associated analytical runs showed no contamination at or above the reporting limit.

QUALITY CONTROL DATA

METHOD: EPA 8010

AEN JOB NO: 9604340
 INSTRUMENT: I
 MATRIX: WATER

Surrogate Standard Recovery Summary

| Date Analyzed | Client Id. | Lab Id. | Percent Recovery | |
|---------------|------------|---------|---------------------|--------------------------|
| | | | Bromochloro-methane | 1-Bromo-3-chloro-propane |
| 04/27/96 | MW-4 | 01 | 96 | 112 |
| 04/27/96 | MW-5 | 02 | 100 | 118 |
| 04/27/96 | MW-6 | 03 | 102 | 119 |
| QC Limits: | | | 70-130 | 70-130 |

DATE ANALYZED: 04/26/96
 SAMPLE SPIKED: 9604229-01
 INSTRUMENT: I

Matrix Spike Recovery Summary

| Analyte | Spike Added (ug/L) | Average Percent Recovery | RPD | QC Limits | |
|--------------------|--------------------|--------------------------|-----|------------------|-----|
| | | | | Percent Recovery | RPD |
| 1,1-Dichloroethene | 50 | 101 | <1 | 37-156 | 20 |
| Trichloroethene | 50 | 106 | 1 | 54-122 | 20 |
| Chlorobenzene | 50 | 96 | 2 | 54-141 | 20 |

Daily method blanks for all associated analytical runs showed no contamination at or above the reporting limit.

QUALITY CONTROL DATA

METHOD: EPA 8020, 5030 GCFID

AEN JOB NO: 9604340
 INSTRUMENT: H
 MATRIX: WATER

Surrogate Standard Recovery Summary

| Date Analyzed | Client Id. | Lab Id. | Percent Recovery Fluorobenzene |
|---------------|------------|---------|-----------------------------------|
| 05/01/96 | MW-4 | 01 | 102 |
| 05/01/96 | MW-5 | 02 | 102 |
| 05/01/96 | MW-6 | 03 | 102 |
| QC Limits: | | | 70-130 |

DATE ANALYZED: 05/01/96
 SAMPLE SPIKED: 9604318-07
 INSTRUMENT: H

Matrix Spike Recovery Summary

| Analyte | Spike Added (ug/L) | Average Percent Recovery | RPD | QC Limits | |
|-----------------------------|-----------------------|--------------------------------|-----|---------------------|-----|
| | | | | Percent Recovery | RPD |
| Benzene | 22.2 | 100 | 2 | 85-109 | 17 |
| Toluene | 73.9 | 96 | 8 | 87-111 | 16 |
| Hydrocarbons as Gasoline | 500 | 112 | 9 | 66-117 | 19 |

Daily method blanks for all associated analytical runs showed no contamination at or above the reporting limit.

QUALITY CONTROL DATA

METHOD: EPA 8270

AEN JOB NO: 9604340
 DATE EXTRACTED: 05/01/96
 INSTRUMENT: 11
 MATRIX: WATER

Surrogate Standard Recovery Summary

| Date Analyzed | Client Id. | Lab Id. | Percent Recovery | | | | | |
|---------------|------------|---------|------------------|-----------------------|------------------------------|-------------------|-----------------------|---------------------------|
| | | | 2-Fluoro-phenol | Phenol-d ₅ | Nitro-benzene-d ₅ | 2-Fluoro-biphenyl | 2,4,6-Tri-bromophenol | Terphenyl-d ₁₄ |
| 05/08/96 | MW-4 | 01 | 65 | 69 | 83 | 52 | 102 | 55 |
| 05/08/96 | MW-5 | 02 | 56 | 60 | 68 | 46 | 89 | 48 |
| 05/08/96 | MW-6 | 03 | 72 | 77 | 88 | 53 | 109 | 56 |
| QC Limits: | | | 21-100 | 10-94 | 35-114 | 43-116 | 10-123 | 33-141 |

DATE EXTRACTED: 05/01/96
 DATE ANALYZED: 05/07/96
 SAMPLE SPIKED: LCS
 INSTRUMENT: 11

Laboratory Control Sample Recovery

| Analyte | Spike Added (ug/L) | Percent Recovery | QC Limits |
|---------------------------|--------------------|------------------|------------------|
| | | | Percent Recovery |
| Phenol | 200 | 80 | 5-112 |
| 2-Chlorophenol | 200 | 76 | 23-134 |
| 1,4-Dichlorobenzene | 200 | 76 | 20-124 |
| N-Nitrosodi-n-propylamine | 200 | 92 | 0-230 |
| 1,2,4-Trichlorobenzene | 200 | 78 | 44-142 |
| 4-Chloro-3-methylphenol | 200 | 94 | 22-147 |
| Acenaphthene | 200 | 86 | 47-145 |
| 4-Nitrophenol | 200 | 110 | 0-132 |
| 2,4-Dinitrotoluene | 200 | 86 | 0-112 |
| Pentachlorophenol | 200 | 78 | 14-176 |
| Pyrene | 200 | 74 | 52-115 |

Daily method blanks for all associated analytical runs showed no contamination at or above the reporting limit.

QUALITY CONTROL DATA

AEN JOB NO: 9604340
SAMPLE SPIKED: DI WATER
DATE(S) ANALYZED: 04/30-05/02/96
MATRIX: WATER

Method Blank and Spike Recovery Summary

| Analyte | Inst. / Method | Blank Result (mg/L) | Spike Added (mg/L) | Percent Recovery | RPD | QC Limits | |
|--------------|-------------------|---------------------------|--------------------------|---------------------|-----|---------------------|-----|
| | | | | | | Percent Recovery | RPD |
| As. Arsenic | 4000/7060 | ND | 0.04 | 99 | 3 | 69-136 | 12 |
| Cd. Cadmium | ICP/6010 | ND | 0.05 | 106 | 5 | 84-120 | 10 |
| Cr. Chromium | ICP/6010 | ND | 0.1 | 111 | <1 | 85-128 | 10 |
| Ni. Nickel | ICP/6010 | ND | 0.01 | 110 | 1 | 92-121 | 10 |
| Pb. Lead | ICP/6010 | ND | 0.5 | 109 | 1 | 90-122 | 10 |
| Zn. Zinc | ICP/6010 | ND | 0.25 | 112 | 1 | 90-121 | 10 |

*** END OF REPORT ***

Reporting Information:

1. Client: LAW/CRANDALL
 Address: 875 Battery St.
SAN FRANCISCO, CA 94111
 Contact: Mark Miller
 Alt. Contact: Andrew T. Muka

American Environmental Network

3440 Vincent Road, Pleasant Hill, CA 94523
 Phone (510) 930-9090
 FAX (510) 930-0256

AEN

2-3, 1-2
 R-14, 5-5

REQUEST FOR ANALYSIS / CHAIN OF CUSTODY

9604340

Lab Job Number: _____
 Lab Destination: _____
 Date Samples Shipped: 4/25/96
 Lab Contact: _____
 Date Results Required: 7 day turnaround
 Date Report Required: _____
 Client Phone No.: (415) 834-2040
 Client FAX No.: (415) 834-2451

Address Report To:

2. Same as 1

Send Invoice To:

3. Same as 1

Send Report To 1 or 2 (Circle one)

Client P.O. No.: _____ Client Project I.D. No.: 70424C-0004

Sample Team Member (s) ATM

| Lab Number | Client Sample Identification | Air Volume | Date/Time Collected | Sample Type* | Pres. | No. of Cont. | Type of Cont. | ANALYSIS | | | | | | | Comments / Hazards | | |
|----------------|------------------------------|------------|---------------------|--------------|-------|--------------|---------------|------------------|----------|-------------|----------|--------------|------------------------|----------|--------------------|----------|-------------------------------------|
| | | | | | | | | TPH/6 + BTXW/MBE | TPH/D | TPH/MOT/OLA | EPA BOD | PAHs by BZTD | Ca, Co, Ni, Zn, As, Pb | | | | |
| <u>9604339</u> | <u>MW-1</u> | | <u>4/24 1550</u> | <u>7</u> | | <u>11</u> | | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>* Filter Metal Sample in LAB</u> |
| | <u>MW-2</u> | | <u>4/24 1845</u> | <u>7</u> | | <u>11</u> | | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>* Filter Metal Sample in LAB</u> |
| | <u>MW-3</u> | | <u>4/24 1745</u> | <u>7</u> | | <u>11</u> | | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>* Filter Metal Sample in LAB</u> |
| <u>OLA-K</u> | <u>MW-4</u> | | <u>4/24 1500</u> | <u>7</u> | | <u>11</u> | | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>* Filter Metal Sample in LAB</u> |
| <u>OLA-K</u> | <u>MW-5</u> | | <u>4/24 1700</u> | <u>7</u> | | <u>11</u> | | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>* Filter Metal Sample in LAB</u> |
| <u>OLA-K</u> | <u>MW-6</u> | | <u>4/24 1350</u> | <u>7</u> | | <u>11</u> | | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>* Filter Metal Sample in LAB</u> |

| | | | | | |
|--|---------------------|-------------------|--|---------------------|-------------------|
| Relinquished by: (Signature) <u>Andrew T. Muka</u> | DATE <u>4/25/96</u> | TIME <u>8:30</u> | Received by: (Signature) <u>Michael E. ...</u> | DATE <u>4-25-96</u> | TIME <u>11:00</u> |
| Relinquished by: (Signature) <u>Michael E. ...</u> | DATE <u>4-25-96</u> | TIME <u>11:55</u> | Received by: (Signature) <u>Lori L. Pruitt</u> | DATE <u>4-25-96</u> | TIME <u>11:55</u> |
| Relinquished by: (Signature) _____ | DATE _____ | TIME _____ | Received by: (Signature) _____ | DATE _____ | TIME _____ |
| Method of Shipment _____ | | | Lab Comments _____ | | |

*Sample type (Specify): 1) 37mm 0.8 µm MCEF 2) 25mm 0.8 µm MCEF 3) 25mm 0.4 µm polycarb. filter
 4) PVC filter, diam. _____ pore size _____ 5) Charcoal tube 6) Silica gel tube 7) Water 8) Soil 9) Bulk Sample
 10) Other _____ 11) Other _____
 COPIES: WHITE - JOB FILE YELLOW - PROJECT FILE PINK - CLIENT