

ENVIRONMENTAL
PROTECTION

LETTER OF TRANSMITTAL 95 MAY -3 AM 8:53

**Erler &
Kalinowski, Inc.**

Consulting Engineers and Scientists

1730 So. Amphlett Blvd., Suite 320
San Mateo, California 94402
(415) 578-1172
Fax (415) 578-9131

Mr. Sumadhu Arigala
TO: Dr. Ravi Arulanantham
Regional Water Quality Control Board
2101 Webster Street, Suite 500
Oakland, California 94612

DATE: 2 May 1995

CONTRACT NO: 940018.00

SUBJECT: Sybase, Inc.

We are sending you:

- | | | |
|---|----------------------------------|---|
| <input type="checkbox"/> Plans | <input type="checkbox"/> Prints | <input type="checkbox"/> Specifications |
| <input checked="" type="checkbox"/> Reports /Workplan | <input type="checkbox"/> Samples | <input type="checkbox"/> Shop Drawings |
| <input type="checkbox"/> Copy of Letter | <input type="checkbox"/> Other | <input type="checkbox"/> Change Order |

Dated: 2 May 1995

Description:

Workplan for Additional Soil and Groundwater Investigation
at 64th and 65th Street Properties, Emeryville, California

These are transmitted as checked below:

- | | |
|---|--|
| <input type="checkbox"/> As Requested | <input type="checkbox"/> For Review & Comments |
| <input checked="" type="checkbox"/> For Approval | <input type="checkbox"/> Returned After Loan to us |
| <input type="checkbox"/> For Information & Coordination | <input type="checkbox"/> For Action Noted |

Remarks:

Copy to: Susan Hugo, ACDEH

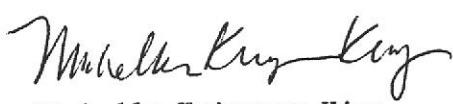
ERLER & KALINOWSKI, INC.

John Bruno, Sybase Inc.

Tom Sullivan, AMB Properties

Bill Wick, Crosby, Heafey, Roach & May

by:


Michelle Kriegman King

If enclosures are not as noted,
please advise us at once.

Workplan for Additional
Soil and Groundwater Investigations
at 64th and 65th Street Properties
Emeryville, California

Sybase Inc., Emeryville, California
(EKI 940018.00)

2 May 1995

Workplan for Additional
Soil and Groundwater Investigations
at 64th and 65th Street Properties
Emeryville California

Sybase Inc., Emeryville, California
(EKI 940018.00)

TABLE OF CONTENTS

1.0 INTRODUCTION.....	1
2.0 SETTING.....	2
3.0 BACKGROUND.....	2
3.1 SUMMARY OF ENVIRONMENTAL REVIEW OF ADJACENT PROPERTIES.....	2
3.1.1 RIX Industries.....	3
3.1.2 Henry Horn & Sons Site.....	4
3.1.3 Federal Express Property.....	4
3.2 POTENTIAL SOURCE AREAS ON THE SITE.....	4
3.2.1 Former Oil Refinery Operation.....	5
3.2.2 Lowenberg Property Former Underground Fuel Tanks.....	5
3.2.3 Ryerson Steel Facility Former Underground Tanks.....	5
3.2.4 Ryerson Steel Facility Chemical Storage Areas	6
3.2.5 Ryerson Steel Facility Prior Soil and Groundwater Investigation.....	6
3.3 PRELIMINARY SOIL AND GROUNDWATER INVESTIGATION ON THE SITE.....	7
3.3.1 Soil Sampling.....	7
3.3.2 Groundwater Sampling.....	8
3.3.3 Groundwater Flow Direction.....	9
3.3.4 Summary of the Results from the Preliminary Soil and Groundwater Investigation.....	9
3.3.4.1 Metals.....	9
3.3.4.2 Petroleum Hydrocarbons.....	10
3.3.4.3 VOCs and Industrial Solvents.....	11
3.3.4.4 PCBs and PAHs.....	13
4.0 WORKPLAN.....	13
4.1 TASK 1 - ACQUIRE PERMITS, PERFORM UNDERGROUND UTILITY SURVEY, AND PREPARE SITE HEALTH & SAFETY PLAN.....	15
4.2 TASK 2 - SOIL AND GRAB GROUNDWATER SAMPLING.....	15
4.3 TASK 3 - LABORATORY ANALYSIS.....	16
4.4 TASK 4 - WATER LEVEL ELEVATION SURVEYING.....	17
4.5 TASK 5- EVALUATE SITE DATA AND PREPARE REPORT.....	17
5.0 REFERENCES.....	18

Workplan for Additional
Soil and Groundwater Investigations
at 64th and 65th Street Properties
Emeryville California

Sybase Inc., Emeryville, California
(EKI 940018.00)

LIST OF TABLES

- | | |
|---------|---|
| Table 1 | Summary of soil Sample Depths and Sample Compositing |
| Table 2 | Results of Soil Sample Analyses for Metals, Petroleum Hydrocarbons, Halogenated VOCs, PAHs and PCBs |
| Table 3 | Results of Groundwater Sample Analyses for Metals and Petroleum hydrocarbons |
| Table 4 | Results of Groundwater Samples Analyses for Halogenated VOCs, PAHs and Industrial Solvents |
| Table 5 | Summary of Well Construction and Water Levels |
| Table 6 | Summary of Proposed Laboratory Analyses |

Workplan for Additional
Soil and Groundwater Investigations
at 64th and 65th Street Properties
Emeryville California

Sybase Inc., Emeryville, California
(EKI 940018.00)

LIST OF FIGURES

- Figure 1 Site Location
- Figure 2 Site Plan
- Figure 3 Concentrations of Arsenic, Chromium, and Lead in Soil
- Figure 4 Concentrations of Total Recoverable Petroleum Hydrocarbons in Soil
- Figure 5 Concentrations of Arsenic, Chromium and Lead in Groundwater
- Figure 6 Concentrations of Petroleum Hydrocarbons in Groundwater
- Figure 7 Concentrations of VOCs Detected in Groundwater
- Figure 8 Groundwater Elevation Contours
- Figure 9 Location of Proposed Piezometers

Workplan for Additional
Soil and Groundwater Investigations
at 64th and 65th Street Properties
Emeryville California

Sybase Inc., Emeryville, California
(EKI 940018.00)

APPENDICES

Appendix A Boring Logs

Appendix B Soil Laboratory Data Sheets

Appendix C Groundwater Laboratory Data Sheets

Workplan for Additional
Soil and Groundwater Investigations
at 64th and 65th Street Properties
Emeryville, California

Sybase Inc.
(EKI 940018.00)

1.0 INTRODUCTION

At the request of AMB Corporate Real Estate Advisors, Inc. ("AMB") and its client, Sybase, Inc., Erler & Kalinowski, Inc. ("EKI") has prepared this workplan for additional soil and groundwater investigation on the properties at 1410 and 1450 64th Street and 1465 65th Street ("the Site") in Emeryville, California (Figure 1).

Sybase, Inc., is interested in acquiring the Site. Tentative plans include redevelopment of the Site to commercial/office uses. This investigation is being conducted to further evaluate potential environmental concerns associated with the Site.

This workplan first presents background data followed by a workplan for additional soil and groundwater sampling. The background data includes:

- a review of adjacent properties with documented chemical releases,
- a historical background on potential sources for chemicals of concern from the Site, and
- the results of a preliminary soil and groundwater investigation conducted on the Site by EKI in March 1995.

The objectives of the additional soil and groundwater investigation are as follows:

- further evaluate concentrations of petroleum hydrocarbons and volatile organic compounds ("VOCs") migrating onto the Site from upgradient sources;
- investigate the source of arsenic detected in groundwater samples collected in the vicinity of the railroad tracks during EKI's preliminary investigation conducted in March 1995;

- further characterize the potential sources of petroleum hydrocarbons in groundwater on the Site; and
- analyze soil and groundwater for 13 priority metals in response to a request by Regional Water Quality Control Board, San Francisco Bay Region ("RWQCB") staff.

2.0 SETTING

The Site is located on Hollis Street between and 64th and 65th streets in Emeryville, California and incorporates 1410 and 1450 64th Street and 1465 65th Street addresses. The southern portion of the Site is occupied by the former Bruener's warehouse ("Lowenberg property") and an asphalt paved storage area ("Ryerson paved lot property") (see Figure 2). The northern portion of the Site is occupied by the Ryerson Steel facility. The Site is bounded to the west by the Southern Pacific Railroad tracks and to the east by Hollis Street.

3.0 BACKGROUND

A review of regulatory agency records identified several off-site sources for chemical of concern present in the soil and groundwater on the Site. Review of the historic uses on the Site indicates that there are several potential sources for chemicals of concern present in the soil and groundwater on the Site. In March 1995, EKI conducted a preliminary soil and groundwater investigation at the Site. This investigation included installation of 6 groundwater monitoring wells and soil sampling at 27 locations on the Site.

This section reviews the results of each of the above investigations.

3.1 SUMMARY OF ENVIRONMENTAL REVIEW OF ADJACENT PROPERTIES

Based on a regulatory agency records search, three reported chemical release sites were identified which exist upgradient and within several hundred feet of the Site:

- RIX Industries
6460 Hollis Street

- Henry Horn & Sons
1301 65th Street
- Federal Express
1600 63rd Street

Chemicals released to groundwater at these sites, listed below, and shown on Figure 2, may be impacting the Site.

3.1.1 RIX Industries

The RIX Industries site is located directly across Hollis Street east of the Site (see Figure 2). Files reviewed at the Alameda County Department of Environmental Health ("ACDEH") indicate that there are ten underground storage tanks on the RIX Industries site. These tanks reportedly contain or have contained: chlorinated solvents, sec-butyl alcohol, isopropyl alcohol, methyl ethyl ketone, ethylsilicate, diesel, mineral spirits, sec-butanol and tetrachloroethene ("PCE"). Subsurface investigations at the RIX Industries site revealed the presence of chlorinated solvents, industrial solvents, alcohols, and petroleum hydrocarbons in soil and groundwater (Hageman-Aguiar, Inc., 1992).

VOCs and their maximum concentration detected in groundwater samples collected in July 1992 from the RIX Industries site are as follows (Hageman-Aguiar, Inc., 1992):

Compound	Maximum Concentration (ug/L)
Tetrachloroethene (PCE)	2,200
Trichloroethene (TCE)	300
cis-1,2-Dichloroethene (c-1,2-DCE)	630
Vinyl Chloride	46
1,1,1-Trichloroethene (1,1,1-TCA)	81
1,1-Dichloroethane (1,1-DCA)	36
1,2-Dichloroethane (1,2-DCA)	450
Carbon Tetrachloride	980

Petroleum hydrocarbons quantified as gasoline, diesel, kerosene and mineral spirits have also been detected at very high concentrations (i.e., up to 21,000 ug/L) in the groundwater samples collected from the RIX Industries site in July 1992 (Hageman-Aguiar, Inc.).

The extent of the chemical plume in groundwater from the RIX Industries site has not been determined. The RIX Industries site is directly upgradient from the Site and may be a

source for the VOC and petroleum hydrocarbons detected on the Site.

3.1.2 Henry Horn & Sons Site

The Henry Horn & Sons site ("Henry Horn site") is located directly across Hollis Street from the northeast corner of the Ryerson Steel building (Figure 2). In 1988, a 2,000-gallon underground gasoline tank was removed from the Henry Horn site. Soil samples collected from the bottom of the excavation contained gasoline at concentrations up to 180 mg/kg. A groundwater monitoring well was installed in the inferred downgradient direction of the tank. Gasoline, benzene, toluene, ethylbenzene, and total xylenes ("BTEX") were not detected above reporting limits in a groundwater sample collected from the well in May 1994. According to the ACDEH staff, the well may not be located in the true downgradient direction from the former tank location. Additional investigations are being requested by ACDEH. A potential exists for impact to the Site from the Henry Horn site.

3.1.3 Federal Express Property

The Federal Express property is located directly across 64th Street and to the south of the Lowenberg property and the Ryerson paved lot property (Figure 2). ACDEH files indicate that a leak was discovered from a 10,000-gallon underground fuel tank in 1988. Three groundwater monitoring wells were subsequently installed. Groundwater samples obtained from the wells were found to contain gasoline at concentrations up to 2,700 ug/L. The file did not indicate whether additional characterization or remediation had been performed. Given that the tank is located on the west portion of the property, near the Southern Pacific railroad tracks, chemicals detected in groundwater on the Federal Express site are not likely to impact the Site.

3.2 POTENTIAL SOURCE AREAS ON THE SITE

Based on a review of historical site records (i.e., aerial photographs and Sanborn maps), and observations made during site walk-throughs, areas of potential environmental concern exist on the Site. These areas are listed below and are presented on Figure 2:

- former oil refinery operation;

- former underground fuel tanks on Lowenberg property;
- former underground diesel tank on Ryerson property; and
- former and current chemical storage areas on Ryerson property.

3.2.1 Former Oil Refinery Operation

Based on a review of a Sanborn Fire Insurance map for the Site from the year 1911, the Ryerson Paved Lot property and the western portion of the Lowenberg property were occupied by an oil refinery (Figure 2). Features of the oil refinery listed on the Sanborn map include "oil tanks, oil stills, coal oil department, oil reservoir, oil boiler, asphalt boiler, and refinery". As discussed below in Section 3.3, chemicals of concern have been detected in soil and groundwater in the area of the former oil refinery.

3.2.2 Lowenberg Property Former Underground Fuel Tanks

Two underground fuel storage tanks were removed from the 1410 64th Street property in February 1990 (Figure 2). At the time of tank removal operations, the tanks showed no signs of leakage. However, groundwater sampled from inside the tank excavation was found to contain diesel, gasoline, and BTEX. Analysis of soil samples from the excavation also indicated the presence of diesel, gasoline, and BTEX. Three groundwater wells were installed near the former fuel tank site. The analytical results of groundwater samples obtained semi-annually from April 1990 to January 1993 indicate the presence of Total Petroleum Hydrocarbons ("TPH") as gasoline and BTEX in groundwater samples from two of the wells (TMW-1 and TMW-2). Groundwater flow direction has varied historically from south to northwest in the vicinity of these monitoring wells. Closure with regard to these underground tanks has not been achieved.

3.2.3 Ryerson Steel Facility Former Underground Tanks

A 10,000-gallon underground diesel storage tank was removed from the Ryerson Steel facility on 11 March 1993. Soil samples collected from the east and west ends of the excavation pit at depths of 9.5 and 8.5 feet below ground surface ("ft bgs") did not contain TPH and BTEX above the method reporting limits (SEMCO, 1993). A grab groundwater sample collected from the excavation pit contained 850 ug/L TPH quantified as diesel (SEMCO, 1993).

Three monitoring wells (wells RMW-1, RMW-2 and RMW-3) surrounding the former tank location were installed on 6 August 1993 (Figure 2). Groundwater samples obtained since well installation have indicated the presence of the following compounds: TPH as gasoline in wells RMW-1 and RMW-2 at concentrations of 50 and 57 ug/L, respectively; free-phase hydrocarbons in well RMW-3; and benzene and xylenes in well RMW-2 at concentrations of 1.3 and 0.59 ug/L, respectively (Hydro-Environmental Technologies, Inc., December 1993). Groundwater flow direction on 24 November 1993 was determined to be to the north.

On 26 May 1994, ACDEH staff required Ryerson Steel to submit a work plan to begin an investigation/remediation program related to the petroleum hydrocarbons in the groundwater.

3.2.4 Ryerson Steel Facility Chemical Storage Areas

During the site walk-through of the Ryerson Steel facility by EKI, two chemical storage areas were observed (Figure 2). Chemicals stored included petroleum hydrocarbons and various solvents. According to Ryerson Steel personnel, these two areas represent the only two areas on the Ryerson Steel facility where chemicals have historically been stored. At the time of the walk-through, no significant ground surface staining or other indicators of potential releases were observed.

3.2.5 Ryerson Steel Facility Prior Soil and Groundwater Investigation

In 1988, a limited soil and groundwater investigation was performed by The Traverse Group at the Ryerson Steel facility in the vicinity of the railroad spur. Soil and groundwater samples were collected from 4 locations in the vicinity of the former railroad spur and were analyzed for VOCs using EPA Method 8240 (Figure 2). Compounds detected in soil samples and their maximum concentrations detected were as follows: carbon disulfide (0.064 mg/kg), 1,1-DCA (0.0034 mg/kg), and PCE (0.0067 mg/kg) (Traverse Group, 1989). Compounds detected in groundwater samples and their maximum concentrations detected were as follows (Traverse Group, 1989):

Compound	Maximum Concentration (ug/L)
TCE	14
t-1,2-DCE	5.8
1,2-DCA	3.9
1,1,1-TCA	0.7
1,1-DCA	240
1,1-Dichloroethene (1,1-DCE)	40
Carbon Disulfide	17

All of the compounds detected in the soil and groundwater samples, except carbon disulfide and 1,1-DCE, have been detected in groundwater samples collected upgradient of the Site on the RIX Industries site (see Section 3.1.1).

3.3 PRELIMINARY SOIL AND GROUNDWATER INVESTIGATION ON THE SITE

The preliminary soil and groundwater investigation of the Site conducted by EKI consisted of constructing 6 groundwater monitoring wells and sampling from 21 soil borings. Work was conducted from 6 to 24 March 1995. Five exploratory well borings (MW-1, and MW-3 through MW-6), and 11 soil-sample borings were drilled using a B-57 hollow stem auger drill rig (Figure 2). One well boring (MW-2) and 10 soil-sample borings were located inside structures (Figure 2) and, therefore, were drilled using a limited-access hollow stem drill rig. Boring logs and construction diagrams for monitoring wells are included in Appendix A. Prior to the initiation of the field work, all proposed soil borings were cleared for the presence of underground utilities by contacting Underground Services Alert ("USA") and surveying performed by Subdynamic Locating Service.

3.3.1 Soil Sampling

Soil samples were obtained from 27 locations (Figure 2). One soil sample was collected from each location at shallow depths ranging from 2 and 9.5 ft bgs (Table 1). Samples collected from locations S-1A through S-8A and S-1B through S-8B that contained the same numerical label were composited in the laboratory (e.g., sample S-1A was composited with S1-B to form composited sample S1A/B). Soil samples were analyzed for the following compounds:

- total recoverable petroleum hydrocarbons ("TRPH") using EPA Method 5520 CF modified,

- VOCs using EPA Method 8240,
- polychlorinated biphenyls ("PCBs") using EPA Method 8080,
- polycyclic aromatic hydrocarbons ("PAHs") using EPA Method 8100, and
- arsenic, lead, and chromium using EPA 7000 Series Methods.

Soil sampling results are presented in Table 2 and shown on Figures 3 and 4. Laboratory reports for results of soil sample analyses are included in Appendix B.

3.3.2 Groundwater Sampling

Groundwater sampling from the newly installed monitoring wells (wells MW-1 through MW-6) and four of the existing wells (wells RMW-1, RMW-2, RMW-3, and TMW-1) was conducted from 23 March 1995 through 27 March 1995. Groundwater samples were analyzed for the following compounds:

- total purgeable petroleum hydrocarbons ("TPPH") and BTEX using EPA Methods 8015 modified and 8020, respectively,
- total extractable petroleum hydrocarbons ("TEPH") fuel fingerprint analysis using EPA Method 8015 modified,
- VOCs using EPA Method 8010,
- PAHs using EPA Method 8100,
- industrial solvents using EPA Method 8015, and
- arsenic, lead, and chromium using EPA 7000 Series Methods.

Groundwater sampling results are presented in Tables 3 and 4 and shown on Figures 5, 6 and 7. Laboratory reports for results of groundwater sample analyses are included in Appendix C.

3.3.3 Groundwater Flow Direction

Groundwater levels were measured on 24 March 1995 in each of the newly installed wells and five of the existing monitoring wells. Groundwater elevations ranged from 7.2 to 16.4 feet above mean sea level (1.7 to 5.8 ft bgs) and are summarized in Table 5. The estimated potentiometric surface contours indicate that groundwater is generally flowing to the west/southwest (Figure 8).

3.3.4 Summary of the Results from the Preliminary Soil and Groundwater Investigation

Chemicals of concern were detected in soil and groundwater samples collected from the Site. A summary is presented below by chemical class.

3.3.4.1 Metals

Soil

Low concentrations of lead (up to 55 mg/kg) and chromium (up to 45 mg/kg) were detected in the soil samples collected from the Site (Figure 3). Arsenic was not detected above the laboratory reporting limits in any of the soil samples collected from the Site. The detected concentrations of lead and chromium are significantly less than the U.S. Environmental Protection Agency's ("EPA") Preliminary Remediation Goals ("PRGs") of 1,000 mg/kg for lead and 1,600 mg/kg for total chromium at industrial sites (EPA, 1995). PRGs are calculated based on human health risk estimates.

Groundwater

Lead and chromium were not detected in groundwater samples collected from the Site (Table 3). Concentrations of arsenic ranging from (7.6 to 68 ug/L) were detected in four groundwater samples (MW-3, MW-5, MW-6, and RMW-2). The drinking water standard (i.e., Maximum Contaminant Level ("MCL")) for arsenic in groundwater is 50 ug/L (California Code of Regulations, 1994). All of the monitoring wells in which arsenic was detected are located adjacent to the Southern Pacific railroad tracks or the railroad spur on the Ryerson property (Figure 5). The arsenic in groundwater does not appear to originate from the Site because arsenic was not detected in any of the soil samples collected on site. Arsenic concentrations in the groundwater may originate from use of herbicides along the railroad tracks.

To further investigate the source of arsenic detected in groundwater on the Site, additional soil and grab groundwater samples will be obtained as part of the proposed workplan described below.

3.3.4.2 Petroleum Hydrocarbons

Soil

TRPH concentrations detected in soil samples ranged from 16 mg/kg to 3,400 mg/kg (Table 2). The highest concentrations of hydrocarbons were detected in soil samples collected in the area of the former refinery (i.e., on the Lowenberg and Ryerson paved lot properties; Figure 4). Field notes indicate that black material observed in some soil samples looked like soft asphalt, suggesting that the hydrocarbons are of high molecular weight and not very mobile. The maximum TRPH concentration detected in soil samples collected from the Ryerson Steel Facility was 18 mg/kg. TRPH was detected in only 3 of the 9 samples collected from this portion of the Site (Figure 4).

Groundwater

Petroleum hydrocarbons were detected in groundwater samples collected from all wells on the Site (Figure 6). Detected concentrations ranged from 71 ug/L to 11,000 ug/L for TPPH and 97 ug/L to 97,000 ug/L for TEPH (Table 3). The only groundwater samples in which the petroleum hydrocarbons resembled common petroleum hydrocarbon standards were MW-1 and TMW-1, which were quantified as diesel and gasoline, respectively (Table 3). For the other samples containing detectable concentrations of petroleum hydrocarbons, the hydrocarbon patterns were reported as a range of carbon chain lengths (i.e., C9 to C24) because the laboratory indicated that gas chromatogram of the sample did not resemble typical hydrocarbon standards (Table 3). In many of the samples, TEPH was quantified to C24, although the laboratory indicated that the hydrocarbon pattern on the chromatogram extended beyond C36. Hydrocarbons in the range of C9 to C36 represent mid- to high-boiling point petroleum distillates.

There are several possible on-site sources for the hydrocarbons detected in groundwater on the Site: the former fuel tanks on the Lowenberg property, the former diesel tank on the Ryerson property, and the former refinery. Of these sources, only the fuel tanks on the

Lowenberg property contained gasoline. Groundwater sample TMW-1, collected adjacent to the Lowenberg fuel tanks, contained TPPH quantified as gasoline at a concentration of 100 ug/L (Figure 6).

The groundwater sample obtained from RMW-3, which is approximately 30 feet south of the former Ryerson diesel tank, contained the highest concentrations of both TPPH (11,000 ug/l) and TEPH (97,000 ug/l) detected on the Site (Figure 6). The source of the petroleum hydrocarbon concentrations measured in sample RMW-3 is unknown.

Concentrations of hydrocarbons detected in samples collected from wells RMW-1 and RMW-2, which are located closer to the former Ryerson underground tank, are more than 2 orders of magnitude lower than levels detected in samples from well RMW-3 (Figure 6). These results indicate that the hydrocarbons detected in sample RMW-3 may originate from another source. The TEPH concentration measured in the sample collected from well MW-5, which is downgradient of well RMW-3, was 29,000 ug/L. As discussed in the workplan below, an additional groundwater sample will be collected between wells RMW-3 and MW-5. This additional sampling should help clarify the source of petroleum hydrocarbons detected in sample RMW-3.

The TPPH and TEPH detected in groundwater collected from upgradient wells MW-1 and MW-2 may originate from upgradient, off-site sources. Petroleum hydrocarbon concentrations measured in samples from these wells indicate that a hydrocarbon plume may be migrating onto the Site. Possible upgradient sources are from the former gasoline tank on the Henry Horn property and the diesel and mineral spirits tanks on the RIX Industries site. Because the TEPH detected in sample MW-1 was quantified as diesel, and diesel concentrations up to 20,000 ug/L have been measured in groundwater samples collected from the RIX Industries site, it is likely that diesel released on the RIX Industries site is migrating onto the Site.

3.3.4.3 VOCs and Industrial Solvents

Soil

There were no VOCs detected in 26 of the 27 soil samples collected from the Site. In one soil sample (S-9), very low concentrations of VOCs were detected (Table 2). The soil sample was collected near the chemical storage area on the

Ryerson Steel Facility (Figure 2). The compounds detected in sample S-9 and their respective PRGs are as follows:

Compound	Concentration (mg/kg)	PRG (mg/kg)
1,1-DCA	0.024	340
PCE	0.81	18
1,1,1-TCA	0.97	3,000

The concentrations of VOCs detected in soil are orders of magnitude less than the PRGs for industrial soil.

Groundwater

VOCs were detected in groundwater samples collected from the Site in March 1995 (Table 4; Figure 7). Many of the same compounds were detected in historic groundwater samples collected in the vicinity of the railroad spur in December 1988 and January 1989 (Figure 7) and upgradient of the Site on the RIX Industries site (Section 3.3.1).

Detected VOC concentrations in recent sampling ranged from 0.96 ug/L to 170 ug/L (Table 4). TCE was detected at the highest concentration, 170 ug/L, in the sample collected from upgradient well MW-1 (Figure 7). Figure 7 shows that elevated concentrations of TCE and other chlorinated VOCs appear to be migrating from the upgradient property boundary on Hollis Street through the center of the Site to the downgradient property boundary (i.e., wells MW-4 and MW-5).

Reports from the RIX Industries site indicate that one of the tanks on the property contained chlorinated solvents. PCE and TCE were detected in the groundwater samples collected from the RIX Industries site at concentrations of 2,200 ug/L and 300 ug/L, respectively. TCE, c-1,2-DCE, t-1,2 DCE, and vinyl chloride are anaerobic degradation products of the PCE (McCarty, 1988). Because high concentrations of petroleum hydrocarbons and other organic compounds have also been detected in groundwater upgradient of the Site, anaerobic conditions are likely to persist upgradient of the Site and on the Site. Thus, TCE, c-1,2-DCE, and t-1,2-DCE detected in samples collected from upgradient well MW-1 and in downgradient wells on the Site (i.e., wells RMW-1, RMW-2, RMW-3, MW-4, and MW-5) are likely migrating onto the Site from the RIX Industries site.

VOC concentrations downgradient of well MW-1 are lower than those in well MW-1 (Figure 7). Also, VOC concentrations in wells RMW-1, RMW-2, and RMW-3 are lower than those detected

in historic samples RS-3 and RS-4 collected in the same area of the Site in 1988/1989 (Figure 7). In addition to TCE and its anaerobic degradation products (i.e., c-1,2-DCE, t-1,2-DCE, and vinyl chloride), the compounds 1,1-DCA, 1,1-DCE, chloroethane, and 1,2-DCA have been detected downgradient of well MW-1.

The compounds 1,1-DCA, 1,1-DCE, and chloroethane may originate from chemical and biological transformation of 1,1,1-TCA (McCarty, 1988). 1,1,1-TCA was detected in one soil sample and one historic groundwater sample collected from the Site, and in groundwater upgradient of the Site at the RIX Industries site. However, impacts to groundwater quality due to a potential release of 1,1,1-TCA from the Site or from the RIX Industries site appear to be negligible because (1) 1,1,1-TCA was not detected in the recent groundwater sampling event; and (2) the concentrations of 1,1,1,-TCA breakdown products are low (i.e., less than 18 ug/L).

Groundwater was also analyzed for industrial solvents by EPA Method 8015. There were no industrial solvents detected in 10 of the 11 groundwater samples collected from the Site (Table 4). Only the analysis of sample MW-5 indicated the possible presence of industrial solvents (Table 4). However, the laboratory indicated that the compounds quantified in the industrial solvents scan were likely false positive detections (Table 4) because the chlorinated compounds were not detected using EPA Method 8010, which uses a detector that is selective for chlorinated compounds and has lower detection limits than the industrial solvents method.

3.3.4.4 PCBs and PAHs

There were no PCBs detected in 26 of the 27 soil samples collected from the Site. Soil sample MW-3, collected from a depth of 6 ft bgs, contained PCBs at concentration of 0.032 mg/kg. This concentration is an order of magnitude below the PRG of 0.34 mg/kg for industrial sites (EPA, 1995).

No PAHs were detected in any of the soil or groundwater samples collected from the Site.

4.0 WORKPLAN

The objectives of this work plan are as follows:

- further evaluate concentrations of petroleum hydrocarbons and volatile organic compounds ("VOCs") migrating onto the Site from upgradient sources;
- investigate the source of arsenic detected in groundwater samples collected in the vicinity of the railroad tracks during EKI's preliminary investigation conducted in March 1995;
- further characterize the potential sources of petroleum hydrocarbons in groundwater on the Site; and
- analyze soil and groundwater for 13 priority metals in response to a request by RWQCB staff.

The highest VOC concentrations detected in groundwater on the Site were collected from well MW-1. Well MW-1 is directly downgradient from RIX Industries. To further define the extent of the VOC plume migrating onto the Site, three grab groundwater samples (P1, P2, and P3) will be obtained along Hollis Street (Figure 9).

One grab groundwater sample (P4) will also be obtained along 64th Street to evaluate if there is evidence of any additional off-site sources south of the Lowenberg and Ryerson paved lot properties (Figure 9).

Arsenic was detected in the groundwater samples collected from four wells located near the Southern Pacific railroad tracks and the railroad spur on the Ryerson property. However arsenic was not detected in any of the soil samples collected from the Site. RWQCB staff requested that additional investigation be performed to further investigate the possible origin of arsenic. A possible source may be historical herbicide spraying along the railroad tracks. To determine if an arsenic source exists on the Site, soil and groundwater will be sampled upgradient from monitoring well MW-5, the location in which groundwater samples contained the highest arsenic concentration (Figure 5). Soil and groundwater samples will be collected from two locations (P5 and P6) and analyzed for arsenic (Figure 9).

To further characterize the presence of petroleum hydrocarbon concentrations in groundwater on the Site, all groundwater monitoring wells will be checked for free-phase product prior to measuring water levels. Wells MW-5 and MW-6 will be resampled and analyzed for TEPH. Soil and groundwater samples from proposed locations P5 and P6 will also be analyzed for TEPH to further define the source of

the TEPH found at wells RMW-3 and MW-5. TEPH concentrations and gas chromatograms obtained from groundwater samples P5 and P6 will be compared to those from wells RMW-3 and MW-5.

Soil and grab groundwater sampling will be conducted with the following scope of work:

4.1 TASK 1 - ACQUIRE PERMITS, PERFORM UNDERGROUND UTILITY SURVEY, AND PREPARE SITE HEALTH & SAFETY PLAN

Prior to the initiation of the field work, all applicable permits to collect grab groundwater samples will be obtained from the Alameda County Flood Control and Water Conservation District, Zone 7. All drilling locations will be cleared through contact with Underground Services Alert ("USA") and a private utility locating company.

Specific health and safety procedures will be defined in a project specific Health and Safety Plan which will be prepared by EKI prior to the initiation of field work. We have assumed that work on the Site can be conducted using EPA Level D protection (e.g., coveralls, hard hat, steel-toed boots). Air quality within the breathing zone will be monitored with an Organic Vapor Meter ("OVM") while work is in progress.

4.2 TASK 2 - SOIL AND GRAB GROUNDWATER SAMPLING

A total of 6 borings (P1 through P6) will be constructed for the collection of soil and grab groundwater samples (Figure 9). The borings will be constructed with a drive sampling system. The system consists of a hydraulically-operated sampling rig that simultaneously drives an outer drive casing and a sample barrel attached to inner sampling rods. The sample barrel, measuring 1 5/8-inches outside diameter by three feet long, contains stainless steel liners that retain soil cores as the sample barrel is driven into the ground. Soil samples will be collected from two borings (P5 and P6) at a depth between 3 to 5 ft bgs. Each boring will be completed to a depth of 15 ft bgs.

After reaching total depth, the inner sampling rods and sample barrel will be removed from the borehole. In order to prevent the borehole from collapsing, the outer drive casing will remain in the borehole while the sample barrel is removed. When the sample barrel is removed, a small diameter PVC well screen will be placed through the drive casing to the bottom of the boring. Groundwater will be allowed to enter the casing and a grab groundwater sample

will be obtained with a small diameter bailer. The groundwater will be transferred into the appropriate sample containers, which will be labeled, placed on ice in a cooler, and transported to the laboratory for chemical analysis with a chain-of-custody record.

A geologist or engineer will be present during drilling and sampling activities to document encountered lithology, perform field screening, and prepare selected soil samples for chemical analyses. Soil samples for analysis will be collected in stainless steel liners at the selected depths. The 6-inch long steel liner will be covered with Teflon® sheets and capped with plastic end caps. A sample label will be attached to each liner, the samples will be placed on ice in a cooler and transported to the laboratory for chemical analysis with chain-of-custody records.

Upon completion of sampling activities, each boring will be backfilled to the surface using a cement and bentonite grout mixture.

4.3 TASK 3 - LABORATORY ANALYSIS

The proposed soil and groundwater sample analyses are summarized in Table 6. The two shallow soil samples from locations P5 and P6 will be analyzed for the following chemical constituents:

- 13 Priority Metals (arsenic, beryllium, cadmium, total chromium, lead, mercury, nickel, selenium, tin, thallium, silver, and zinc).

The groundwater samples will be obtained from the six temporary piezometer locations (P-1 through P-6). The grab groundwater samples retained for metals analyses will be filtered in the laboratory. In addition to the 6 groundwater samples obtained from the temporary piezometers, EKI will obtain appropriate quality assurance and quality control samples, which will include a duplicate sample, a travel blank, and an equipment rinsate blank.

The 4 perimeter groundwater samples (locations P1 through P4) and one duplicate will be analyzed for the following chemical constituents (Table 6):

- TEPH (EPA Method 8015);
- VOCs (EPA Method 8240); and
- Arsenic (EPA 6000/7000 Series).

The groundwater samples from the temporary piezometers on the Ryerson paved lot (locations P5 and P6) will be analyzed for the following:

- TEPH (EPA Method 8015);
- VOCs (EPA Method 8240); and
- 13 Priority Metals (EPA 6000/7000 Series).

The groundwater samples will be collected from wells MW-5 and MW-6 if free-phase hydrocarbons are not present. Groundwater samples from wells MW-5 and MW-6 will be analyzed for TEPH (Table 6).

The travel blank sample will be analyzed for the VOCs by EPA Method 8240 (Table 6).

The equipment rinsate blank sample will be analyzed for the following chemical constituents (Table 6):

- TEPH (EPA Method 8015); and
- VOCs (EPA Method 8240).

4.4 TASK 4 - WATER LEVEL ELEVATION SURVEYING

Prior to measuring water level elevations, a free product interface probe will be used to evaluate the presence and thickness of free-phase hydrocarbon product. Depths to groundwater will be measured in all monitoring wells (wells MW-1 through MW-6, RMW-1, RMW-2, RMW-3, and TMW-1) and temporary piezometers (locations P1 through P6) prior to destruction of the piezometers. Depth to groundwater measurements combined with casing elevation measurements will be used to determine the local hydrologic gradient at the Site. As part of this task, the surface elevations of the tops of the piezometers and the horizontal spacing between piezometers will be measured by a licensed land surveyor prior to their removal.

4.5 TASK 5- EVALUATE SITE DATA AND PREPARE REPORT

Following completion of the above tasks, a written report will be prepared by EKI. The report will present the results of the preliminary soil and groundwater investigation conducted in March 1995 and the additional soil and groundwater sampling as outlined in Tasks 1 through

4 above. The report will summarize the field procedures, analytical procedures and analytical results. The report will conclude with a summary of the environmental conditions on the subject property (i.e., the nature of chemicals of concern in soils and groundwater) and recommendations for health-risk-based remediation of the soil and groundwater consistent with proposed future land use, if appropriate.

5.0 REFERENCES

California Code of Regulations, Title 22, Section 64431, Revised 9 September 1994.

Hageman-Aguiar, Inc., 24 July 1992, *Report of Soil and Groundwater Investigation*, Rix Industries, Emeryville, California.

Hydro-Environmental Technologies, Inc., 21 December 1993, *Quarterly Monitoring Report*, Ryerson Steel and Aluminum, Inc., Emeryville, California.

McCarty, P.L., 1988, Bioengineering Issues Related to In Situ Remediation of Contaminated Soils and Groundwater, *Environmental Biotechnology*, G.S. Omenn, Ed., Plenum Publishing Corporation, pp. 143-162.

SEMCO Environmental and General Engineering Contractors, 1993, *Tank Removal Report*, Ryerson Steel and Aluminum, Emeryville, California.

The Traverse Group, 9 March 1989, *Technical Report and Assessment of Soil and Groundwater Contamination*, Ryerson Steel and Aluminum Company.

U.S. Environmental Protection Agency, 1 February 1995, *Region IX Preliminary Remediation Goals (PRGs) First Half 1995*, San Francisco, California.

Table 1
Summary of Soil Sample Depths and Sample Compositing
Sybase, Inc
64th and 65th Street Properties
Emeryville, California
EKI 940018.00

Sample ID	Sample Location (a)	Sample Interval Depth (ft bgs) (b)	Date Sample Collected
MW1-9.5	MW-1	9.5	3/6/95
MW2-6	MW-2	6	3/8/95
MW3-4	MW-3	4	3/7/95
MW4-8	MW-4	8	3/6/95
MW5-6	MW-5	6	3/7/95
MW6-2	MW-6	2	3/6/95
S1A/B	S1A, S1B	5, 5.5	3/9/95
S2A/B	S2A, S2B	4.5, 4	3/9/95
S3A/B	S3A, S3B	3, 3.5	3/9/95
S4A/B	S4A, S4B	4, 5.5	3/9/95
S5A/B	S5A, S5B	4.5, 4	3/7/95
S6-(A,B)	S6A, S6B	5, 3.5	3/6/95
S7A/B	S7A, S7B	4.5, 4	3/7/95
S8A/B	S8A, S8B	4, 4.5	3/7/95
S-9	S9A	4.5 - 5	3/6/95
S-10	S10	4.5 - 5	3/6/95
S11	S11	5.5 - 6	3/8/95
S12	S12	2.5 - 3	3/8/95
S13	S13	3.5 - 4	3/8/95

NOTES:

- (a) If two locations are indicated, then the sample was composited (see Figure 1 for boring locations).
- (b) Sample depth in feet below ground surface ("ft bgs") represents the bottom depth of a 0.5 foot sample.
If two depths are indicated, they correspond to each respective location listed in previous column.

Table 2
Results of Soil Sample Analyses
for Metals, Petroleum Hydrocarbons, Halogenated VOCs, PAHs, and PCBs
Sybase, Inc
64th and 65th Street Properties
Emeryville, California
EKI 940018.00

Sample ID	Date Sample Collected	Metals			TRPH EPA Method 418.1 (mg/kg)	VOCs (a)			PAHs EPA Method 8100 (mg/kg)	PCBs (a) EPA Method 8080 PCB-1260 (mg/kg)
		EPA 6000/7000 Series				1,1-DCA (mg/kg)	PCE (mg/kg)	1,1,1-TCA (mg/kg)		
		Arsenic (mg/kg)	Lead (mg/kg)	Chromium (mg/kg)						
MW1-9.5	3/6/95	<5 (b)	<5	26 (c)	16	<0.005	<0.005	<0.005	ND (d)	<0.020
MW2-6	3/8/95	<5	<5	26	16	<0.005	<0.005	<0.005	ND	<0.020
MW3-4	3/7/95	<5	6.7	33	<15	<0.005	<0.005	<0.005	ND	0.032
MW4-8	3/6/95	<5	8.1	36	<15	<0.005	<0.005	<0.005	ND	<0.020
MW5-6	3/7/95	<5	<5	17	22	<0.005	<0.005	<0.005	ND	<0.020
MW6-2	3/6/95	<5	42	36	3100	<0.02 (e)	<0.02 (e)	<0.02 (e)	ND	<0.020
S1A/B	3/9/95	<5	55	19	17	<0.005	<0.005	<0.005	ND	<0.020
S2A/B	3/9/95	<5	<5	19	87	<0.005	<0.005	<0.005	ND	<0.020
S3A/B	3/9/95	<5	12	22	3400	<0.005	<0.005	<0.005	ND	<0.020
S4A/B	3/9/95	<5	29	23	490	<0.005	<0.005	<0.005	ND	<0.020
S5A/B	3/7/95	<5	7.7	21	89	<0.005	<0.005	<0.005	ND	<0.020
S6-(A,B)	3/6/95	<5	<5	27	<15	<0.005	<0.005	<0.005	ND	<0.020
S7A/B	3/7/95	<5	<5	28	1400	<0.005	<0.005	<0.005	ND	<0.020
S8A/B	3/7/95	<5	<5	28	120	<0.005	<0.005	<0.005	ND	<0.020
S-9	3/6/95	<5	5.6	18	<15	0.024	0.81	0.97	ND	<0.020
S-10	3/6/95	<5	5.9	35	<15	<0.005	<0.005	<0.005	ND	<0.020
S11	3/8/95	<5	<5	45	16	<0.005	<0.005	<0.005	ND	<0.020
S12	3/8/95	<5	<5	34	<15	<0.005	<0.005	<0.005	ND	<0.020
S13	3/8/95	<5	5.1	39	18	<0.005	<0.005	<0.005	ND	<0.020

Table 2
Results of Soil Sample Analyses
for Metals, Petroleum Hydrocarbons, Halogenated VOCs, PAHs, and PCBs
Sybase, Inc
64th and 65th Street Properties
Emeryville, California
EKI 940018.00

NOTES:

- (a) Only compounds detected in soil samples are included in table.
- (b) Less than symbol ("<") denotes that compound was not present above the laboratory detection limit indicated.
- (c) Compounds indicated in bold were present at concentrations that exceeded respective laboratory detection limits.
- (d) "ND" indicates that none of the compounds analyzed by the method listed were present above laboratory detection limits.
- (e) Laboratory report indicated detection limits raised; matrix effects necessitated sample dilution.

ABBREVIATIONS:

TRPH	= Total Recoverable Petroleum Hydrocarbons
VOCs	= Volatile Organic Compounds
1,1-DCA	= 1,1-Dichloroethane
PCE	= Tetrachloroethene
1,1,1-TCA	= 1,1,1-Trichloroethane
PAH	= Polycyclic Aromatic Hydrocarbons
PCBs	= Polychlorinated Biphenyls

Table 3
Results of Groundwater Sample Analyses
for Metals and Petroleum Hydrocarbons
Sybase, Inc
64th and 65th Street Properties
Emeryville, California
EKI 940018.00

Sample ID	Date Sampled	Metals			Fuel Fingerprint		TPPH (a)					
		EPA 6000/7000 Series			EPA Method 8015		EPA Method 8015/8020					
		Arsenic (ug/L)	Lead (ug/L)	Chromium (ug/L)	TEPH (ug/L)	Hydrocarbon Pattern (b)	TPPH (ug/L)	Hydrocarbon Pattern (b)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)
MW-1	3/23/95	<5 (c)	<5	<10	5500 (d)	diesel	170	C7-C12	<0.5	<0.5	<0.5	<0.5
MW-2	3/23/95	<5	<5	<10	260	C9-C24 (e)	71	<C8	<0.5	<0.5	<0.5	<0.5
MW-3	3/23/95	13	<5	<10	150	C9-C24 (e)	<50	-	<0.5	<0.5	<0.5	<0.5
MW-4	3/23/95	<5	<5	<10	190	C9-C24 (e)	<50	-	<0.5	<0.5	<0.5	<0.5
MW-5	3/27/95	68	<5	<10	29000	C9-C24 (e)	600	>C8	<0.5	<0.5	<0.5	<0.5
MW-6	3/27/95	16	<5	<10	13000	C9-C24 (e)	74	>C8	<0.5	<0.5	<0.5	<0.5
M-6Dup	3/27/95	NA (f)	NA	NA	5600	C9-C24(e)	250	>C8	<0.5	<0.5	<0.5	<0.5
RMW-1	3/24/95	<5	<5	<10	210	C13-C24 (e)	<50	-	<0.5	<0.5	<0.5	<0.5
R-1Dup	3/24/95	NA	NA	NA	97	C10-C24 (e)	<50	-	<0.5	<0.5	<0.5	<0.5
RMW-2	3/24/95	7.6	<5	<10	150	C10-C24 (e)	<50	ND	<0.5	<0.5	<0.5	<0.5
RMW-3	3/27/95	<5	<5	<10	97000	C9-C24 (e)	11000	>C8	<10	<10	<10	<10
TMW-1	3/28/95	<5	<5	<10	330	C9-24 (e)	100	gas	4.8	<0.5	1.8	3.2

NOTES:

- (a) TPPH = total purgeable petroleum hydrocarbons quantified against gasoline standard.
- (b) Hydrocarbon pattern indicates the identified hydrocarbon in the sample (i.e., diesel) or the range of carbon chain lengths quantified in the sample if the sample chromatogram did not resemble common hydrocarbon standards.
- (c) Less than symbol ("<") denotes that compound was not present above the detection limit indicated.
- (d) Compounds indicated in bold were present at concentrations that exceeded respective laboratory detection limits.
- (e) Sample was quantified in the diesel range (i.e., up to a carbon chain length of 24), but the hydrocarbon chain length range extended to C36.
- (f) Not analyzed.

Table 3
Results of Groundwater Sample Analyses
for Metals and Petroleum Hydrocarbons
Sybase, Inc
64th and 65th Street Properties
Emeryville, California
EKI 940018.00

ABBREVIATIONS:

TEPH = total extractable petroleum hydrocarbons
TPPH = total purgeable petroleum hydrocarbons
ND = not detected above laboratory detection limits.
NA = not analyzed.
BTEX = benzene, toluene, ethylbenzene, and xylenes.

Table 4
 Results of Groundwater Samples Analyses
 for Halogenated VOCs, PAHs, and Industrial Solvents
 Sybase, Inc
 64th and 65th Street Properties
 Emeryville, California
 EKI 940018.00

Sample ID	Date Sampled	VOCs EPA Method 8010 (a)									PAHs Method 8100 (ug/L)	Industrial Solvents (ug/L)
		chloro-ethane (ug/L)	1,1-DCA (ug/L)	1,2-DCA (ug/L)	1,1-DCE (ug/L)	cis-1,2-DCE (ug/L)	trans-1,2-DCE (ug/L)	TCE (ug/L)	vinyl chloride (ug/L)	Freon 113 (ug/L)		
MW-1	3/23/95	<5 (b)	<2.5	<2.5	<2.5	39 (c)	9.9	170	<5	9	ND (d)	ND
MW-2	3/23/95	<2.5	<1.2	<1.2	<1.2	60	46	2.5	<2.5	<2.5	ND	ND
MW-3	3/23/95	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	ND	ND
MW-4	3/23/95	<2.5	<1.2	<1.2	<1.2	28	16	54	<2.5	<2.5	ND	ND
MW-5	3/27/95	18	5.8	<0.5	<0.5	8.5	9.6	<0.5	10	<1	ND	(e)
MW-6	3/27/95	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	ND	ND
M-6Dup	3/27/95	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	ND	ND
RMW-1	3/24/95	<2.5	<1.2	1.4	<1.2	16	10	53	<2.5	<2.5	ND	ND
R-1Dup	3/24/95	<2.5	<1.2	1.3	<1.2	15	9.7	51	<2.5	<2.5	NA (f)	NA
RMW-2	3/24/95	<1	<0.5	0.96	<0.5	12	8.4	26	<1	<1	ND	ND
RMW-3	3/27/95	<1	11	<0.5	1.4	25	22	36	3.7	<1	ND	ND
TMW-1	3/28/95	<1	<0.5	<0.5	<0.5	<0.5	<0.5	2.3	<1	<1	ND	ND

NOTES:

- (a) Only compounds detected in groundwater samples are included in table.
- (b) Less than symbol ("<") denotes that compound was not present above the laboratory detection limit indicated.
- (c) Compounds indicated in bold were present at concentrations that exceeded its respective laboratory detection limits.
- (d) "ND" indicates that none of the compounds analyzed by the method listed were present above laboratory detection limits.
- (e) Compounds reported in this sample include: carbon tetrachloride ("CT") =260 ug/L, 1,2-DCA=380 ug/L, ethyl acetate=830 ug/L, ethylbenzene=100 ug/L, tetrachloroethylene ("PCE") =200 ug/L, toluene=22 ug/L, and o-xylene=220 ug/L. However, the laboratory indicated that the detection of CT, 1,2-DCA, ethylbenzene, PCE, toluene, and o-xylene is likely attributed to false positive recovery of these compounds in the Industrial Solvent analysis. These compounds were not detected on the EPA 8010 and BTEX

Table 4
Results of Groundwater Samples Analyses
for Halogenated VOCs, PAHs, and Industrial Solvents
Sybase, Inc
64th and 65th Street Properties
Emeryville, California
EKI 940018.00

analyses, which use electron capture ("ECD") and photoionization detectors ("PID"), respectively. ECD and PID detectors selectively analyze halogenated compounds and aromatic compounds, respectively. The Industrial Solvent analysis uses a flame ionization detector ("FID"), which is a non-selective detector. Taken together, the data suggests that the CT, 1,2-DCA, ethylbenzene, PCE, toluene, and o-xylene are not present above detection limits in this sample.

(f) Sample not analyzed.

ABBREVIATIONS:

VOCs = Volatile Organic Compounds
1,1-DCA = 1,1-Dichloroethane
1,2-DCA = 1,2-Dichloroethane
1,1-DCE = 1,1-Dichloroethene

PAHs = Polycyclic Aromatic Hydrocarbons
cis-1,2-DCE = cis-1,2-Dichloroethene
trans-1,2-DCE = trans-1,2-Dichloroethene
TCE = Trichloroethene

Table 5
Summary of Well Construction and Water Levels
Sybase, Inc.
64th and 65th Street Properties
Emeryville, California
EKI 940018.00

Well ID	Date Well Installed	Depth of Well (ft bgs)	Screen Interval (ft bgs)	Sand Pack Interval (ft bgs)	Top of Casing Elevation (ft msl)	Date Measured	Depth to Water (ft bgs)	Groundwater Elevation (ft msl)
MW-1	3/6/95	20	5 - 20	4 - 20	18.24	3/24/95	2.97	15.27
MW-2	3/8/95	15.5	5.5 - 15.5	4 - 15.5	19.45	3/24/95	3.03	16.42
MW-3	3/7/95	19	4 - 19	3 - 19	15.24	3/24/95	2.72	12.52
MW-4	3/6/95	20	5 - 20	4 - 20	14.02	3/24/95	4.57	9.45
MW-5	3/7/95	15	5 - 15	4 - 15	12.99	3/24/95	5.75	7.24
MW-6	3/6/95	14	4 - 14	3 - 14	12.66	3/24/95	2.55	10.11
RMW-1	8/6/93	15.5	4.5 - 15.5	4 - 15.5	14.38	3/24/95	3.61	10.77
RMW-2	8/6/93	15.5	4.5 - 15.5	4 - 15.5	14.55	3/24/95	3.35	11.2
RMW-3	8/6/93	15.5	4.5 - 15.5	4 - 15.5	14.15	3/24/95	2.95	11.2
TMW-1	4/12/90	15	5 - 15	4 - 15	16.31	3/24/95	2.59	13.72
TMW-2	4/12/90	15.5	5 - 15	4 - 15	15.57	3/24/95	NM	-
TMW-3	4/12/90	15.5	5 - 15	4 - 15	15.15	3/24/95	1.65	13.5

NOTES: "ft bgs" = feet below ground surface.

"ft msl" = feet relative to mean sea level

"NM" = not measured, well obstructed by dirt

Table 6
Summary of Proposed Laboratory Analyses
Sybase, Inc.
64th and 65th Street Properties
Emeryville, California
EKI 940018.00

Sample Location	Laboratory Analyses (a)	
	Soil	Water
P-1	-	Arsenic, VOCs
P-2	-	Arsenic, VOCs
P-3	-	Arsenic, VOCs
P-4	-	Arsenic, VOCs
P-5	13 Metals	13 Metals, TEPH, VOCs
P-6	13 Metals	13 Metals, TEPH, VOCs
MW-5	-	TEPH
MW-6	-	TEPH
Trip Blank	-	VOCs
Equipment Blank	-	VOC, TEPH
Duplicate (P-5 or P-6)	-	Arsenic, TEPH, VOCs

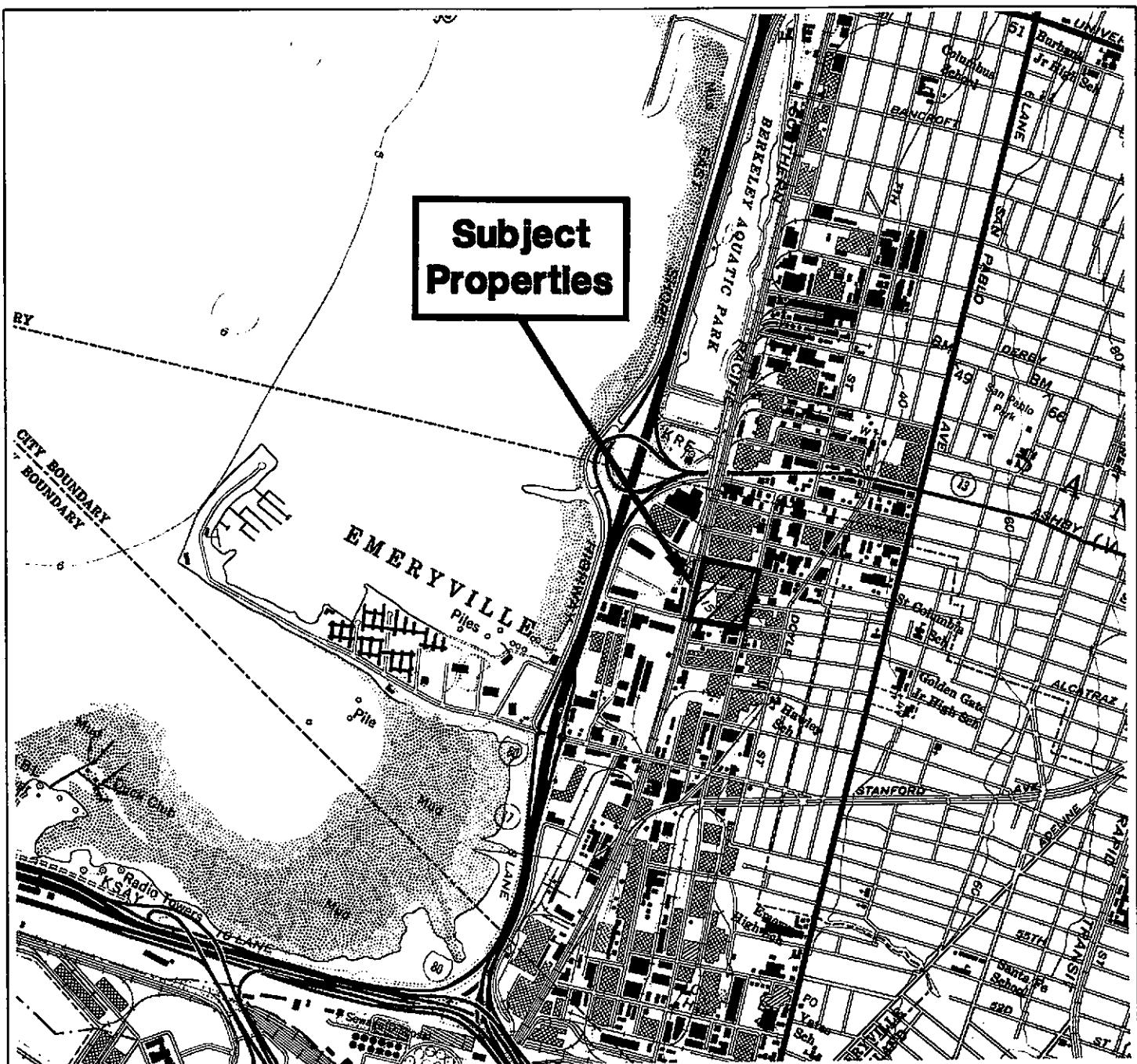
NOTES:

(a) Arsenic - Analysis by EPA Method 7060

VOC - Volatile Organic Compounds analysis by EPA Method 8240

13 Metals - Priority Metals Analysis by EPA 600/7000 Series; includes arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, silver, tin, thallium, and zinc.

TEPH - Total Extractable Petroleum Hydrocarbons analysis by EPA Method 8015 m



Basemap Source: 1980 U.S.G.S Quad Map, Oakland West, California.



0 2000 4000

(Approximate Scale in Feet)

Notes:

1. All locations are approximate.

Erler & Kalinowski, Inc.

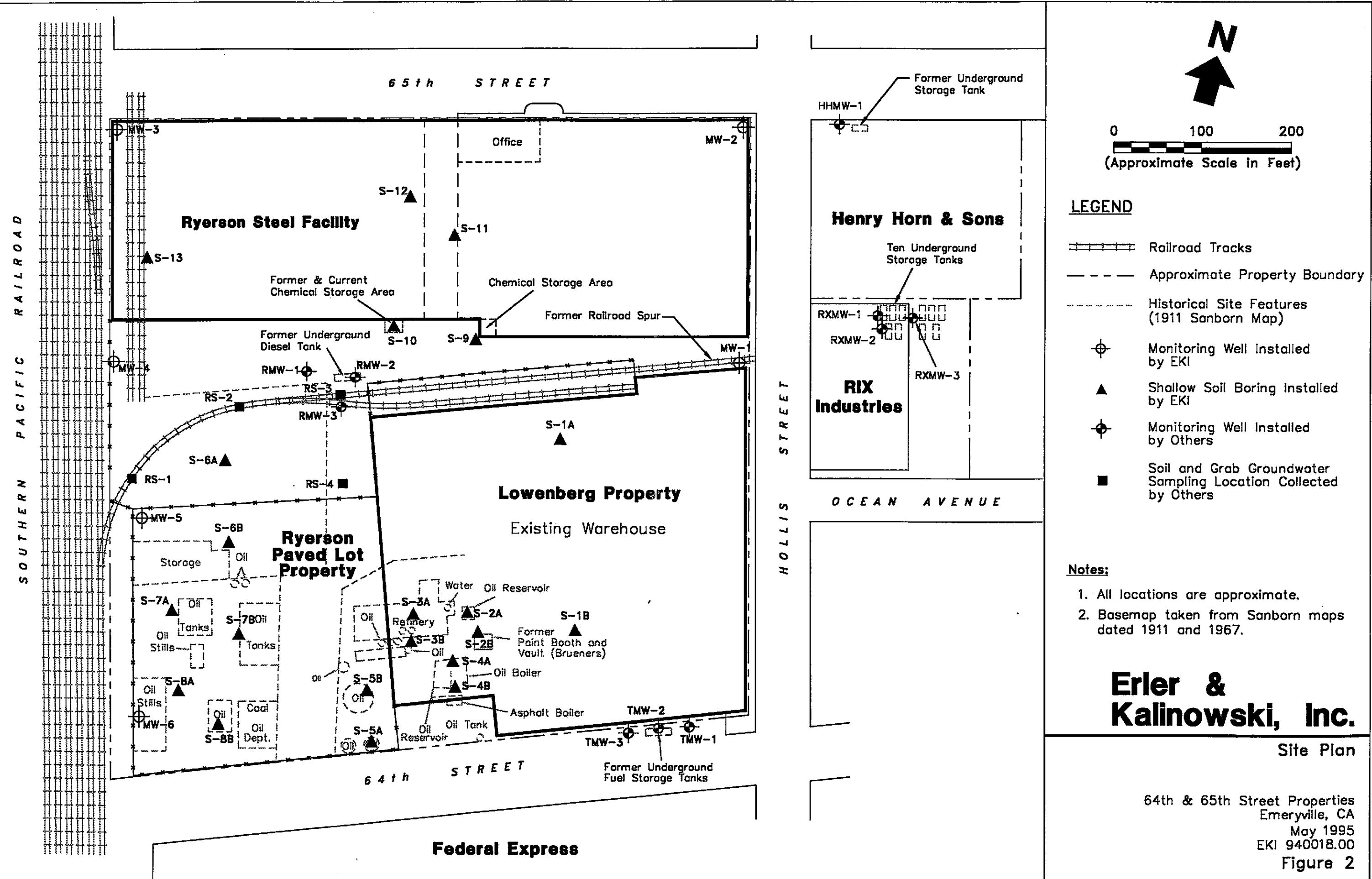
Site Location

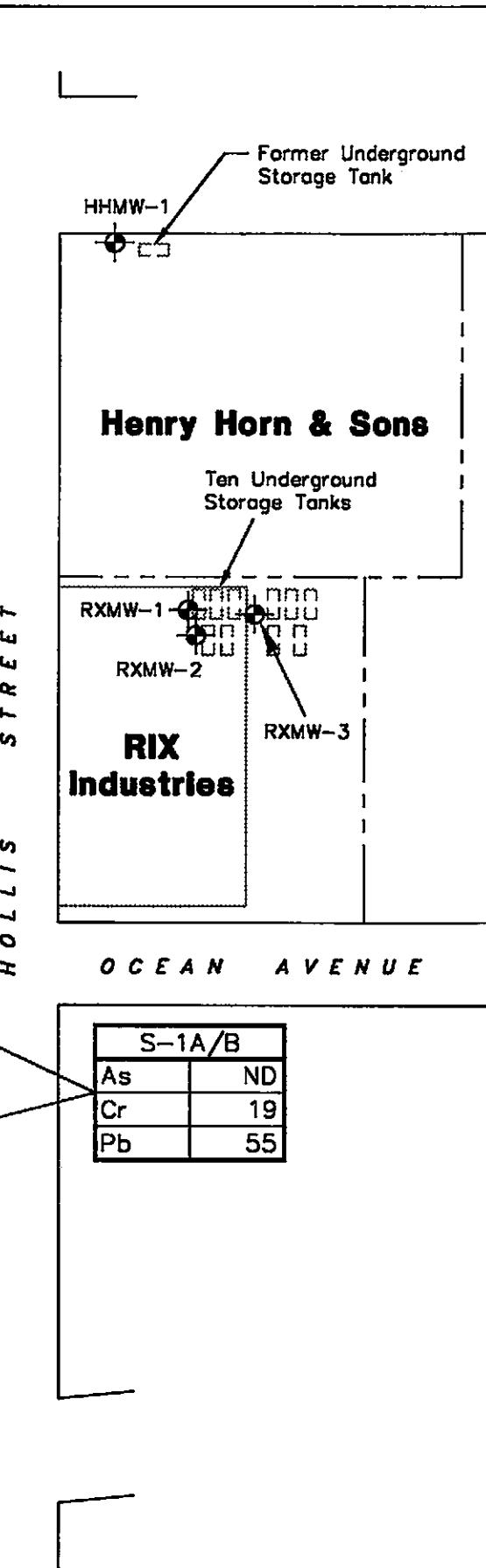
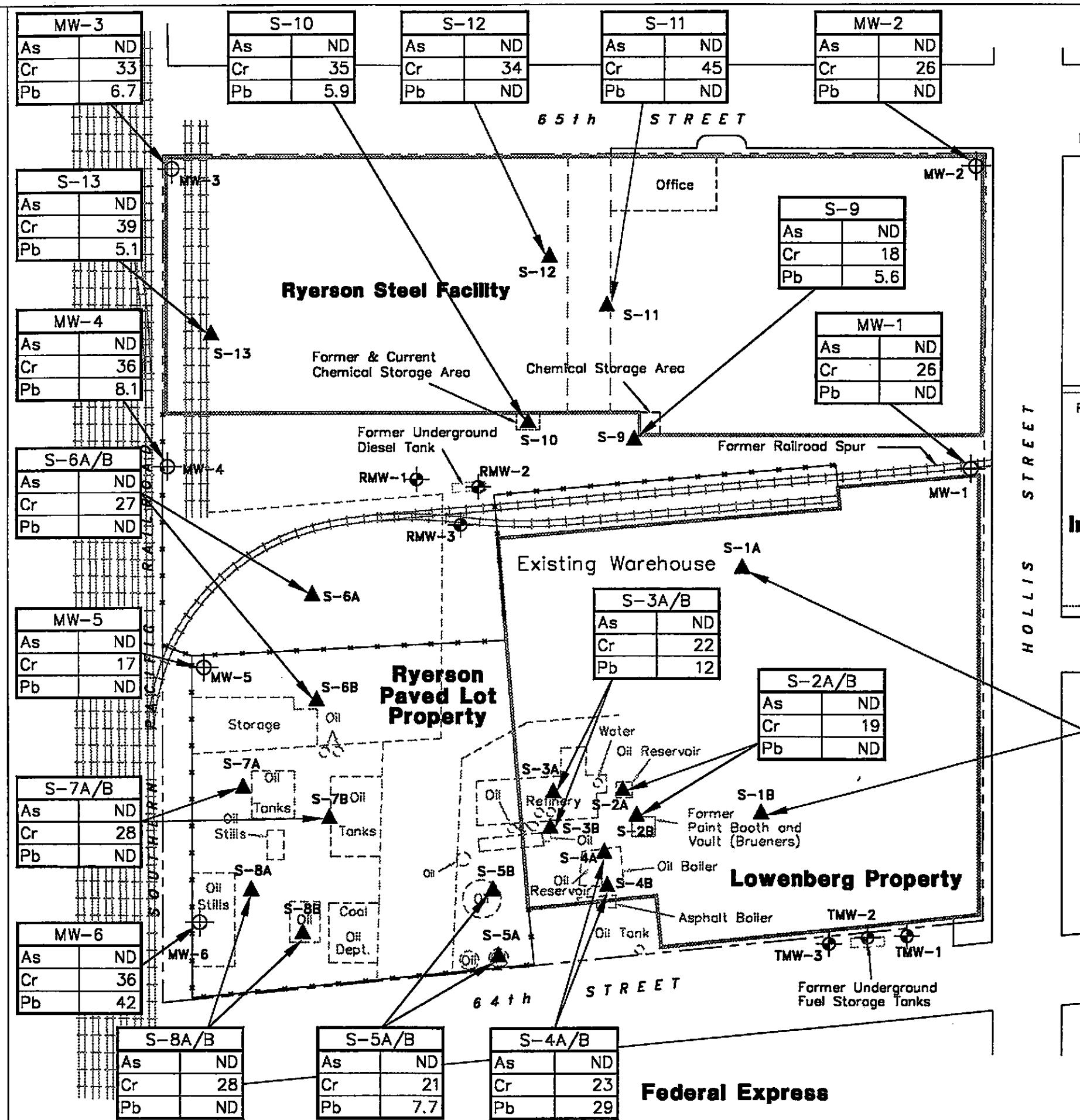
64th & 65th Street Properties
Emeryville, CA

May 1995

EKI 940018.00

Figure 1





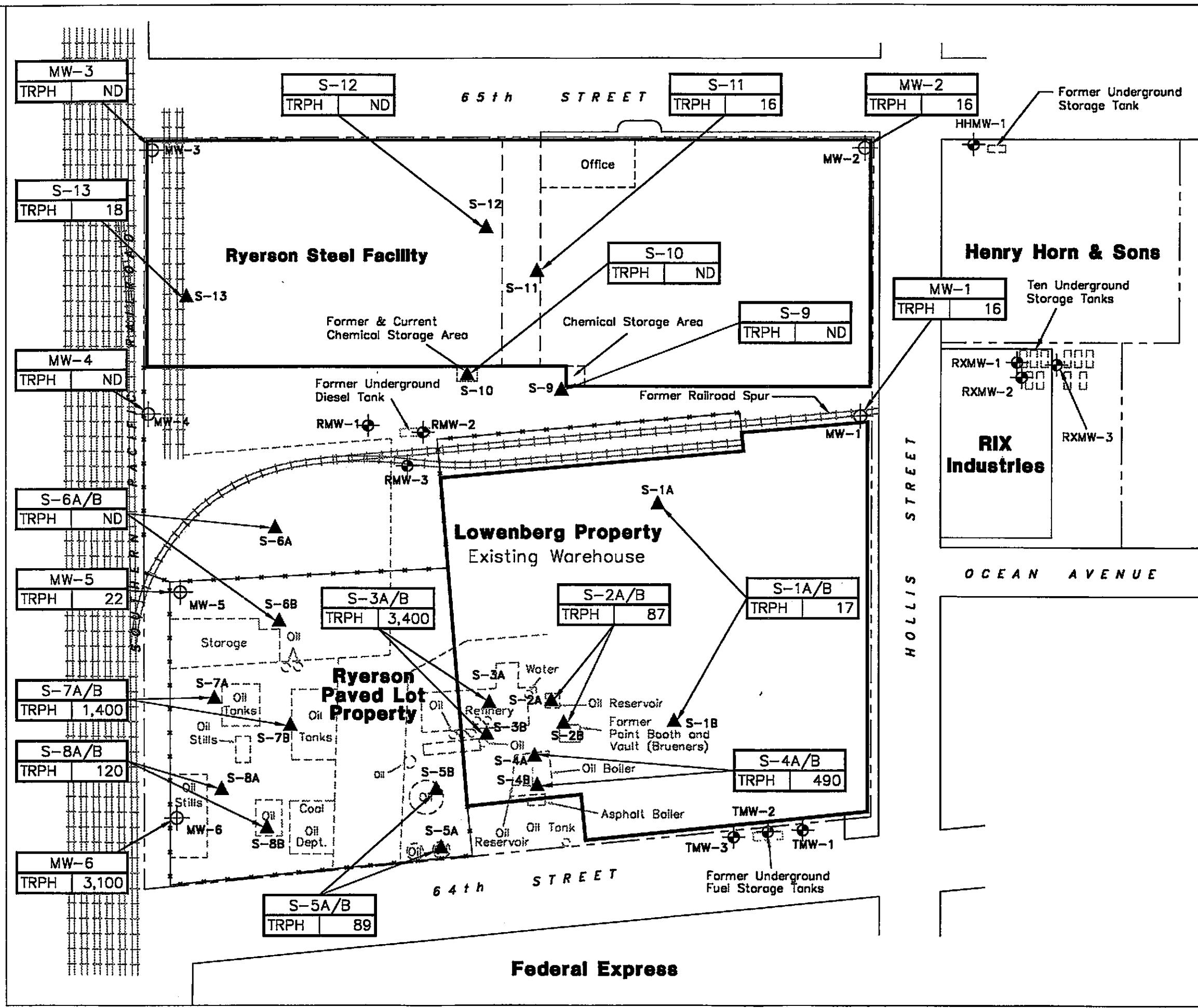
Notes

1. All locations are approximate.
 2. Basemap taken from Sanborn maps dated 1911 and 1967.
 3. Samples collected 6-9 March 1995.
 4. Samples with the suffix A/B were composited from the two locations indicated.

Erler & Kalinowski, Inc.

Concentrations of Arsenic, Chromium, and Lead in Soil

64th & 65th Street Properties
Emeryville, CA
May 1995
EKI 940018.00
Figure 3



N
↑

0 100 200
(Approximate Scale in Feet)

LEGEND

- ===== Railroad Tracks
 - - - - Approximate Property Boundary
 ~~~~~ Historical Site Features  
 (1911 Sanborn Map)

  - ⊕ Monitoring Well Installed by EKI
  - ▲ Shallow Soil Boring Installed by EKI
  - ⊖ Monitoring Well Installed by Others

TRPH Total Recoverable Petroleum Hydrocarbons Concentration (mg/kg)

#### **Notes:**

1. All locations are approximate.
  2. Basemap taken from Sanborn maps dated 1911 and 1967.
  3. Samples collected 6-9 March 1995.
  4. Total Recoverable Petroleum Hydrocarbons analyzed using EPA Method 4181.
  5. Samples with the suffix A/B were composited from the two locations indicated.

# **Erler & Kalinowski, Inc.**

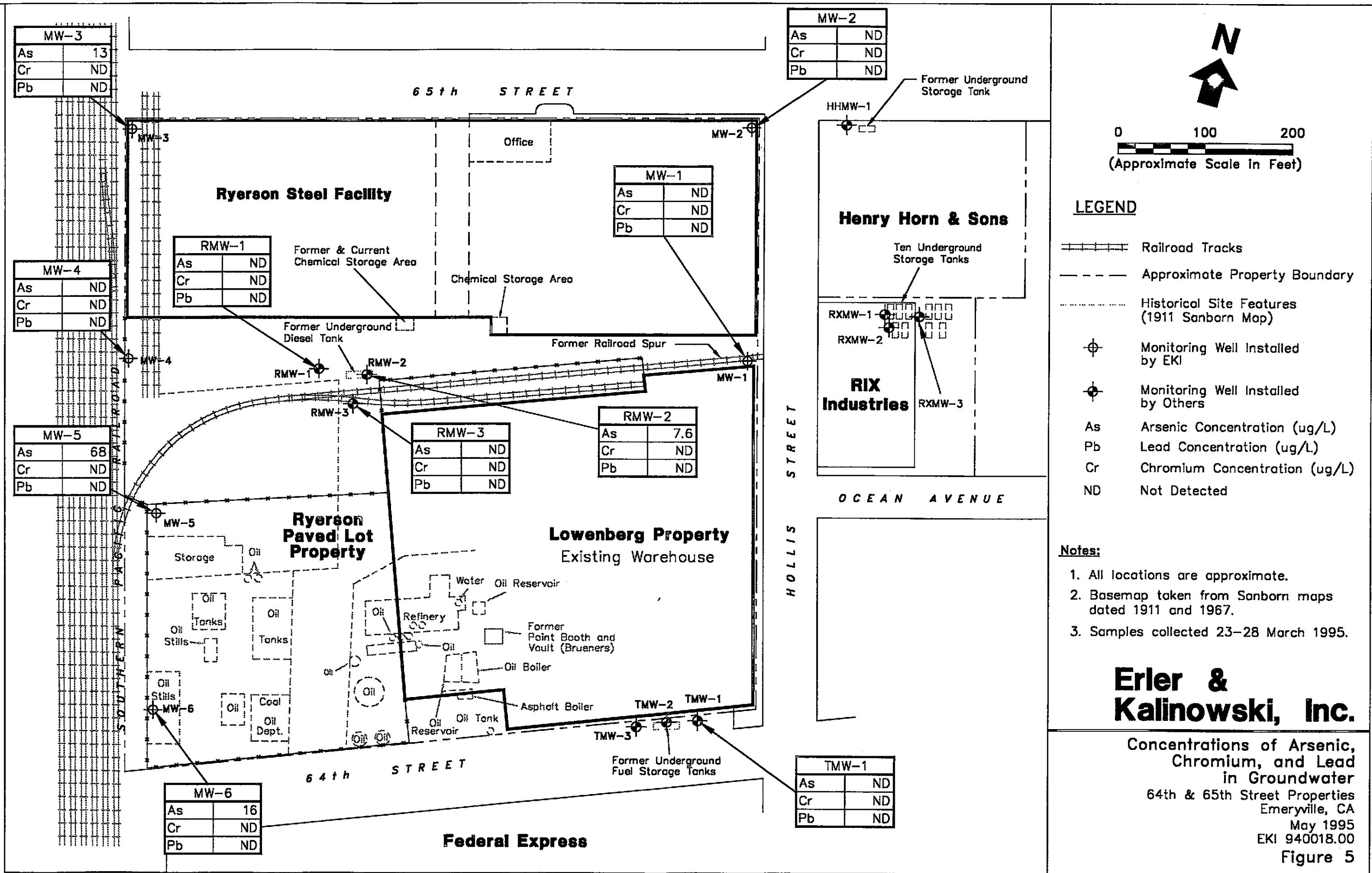
**Concentrations of Total Recoverable  
Petroleum Hydrocarbons  
in Soil**

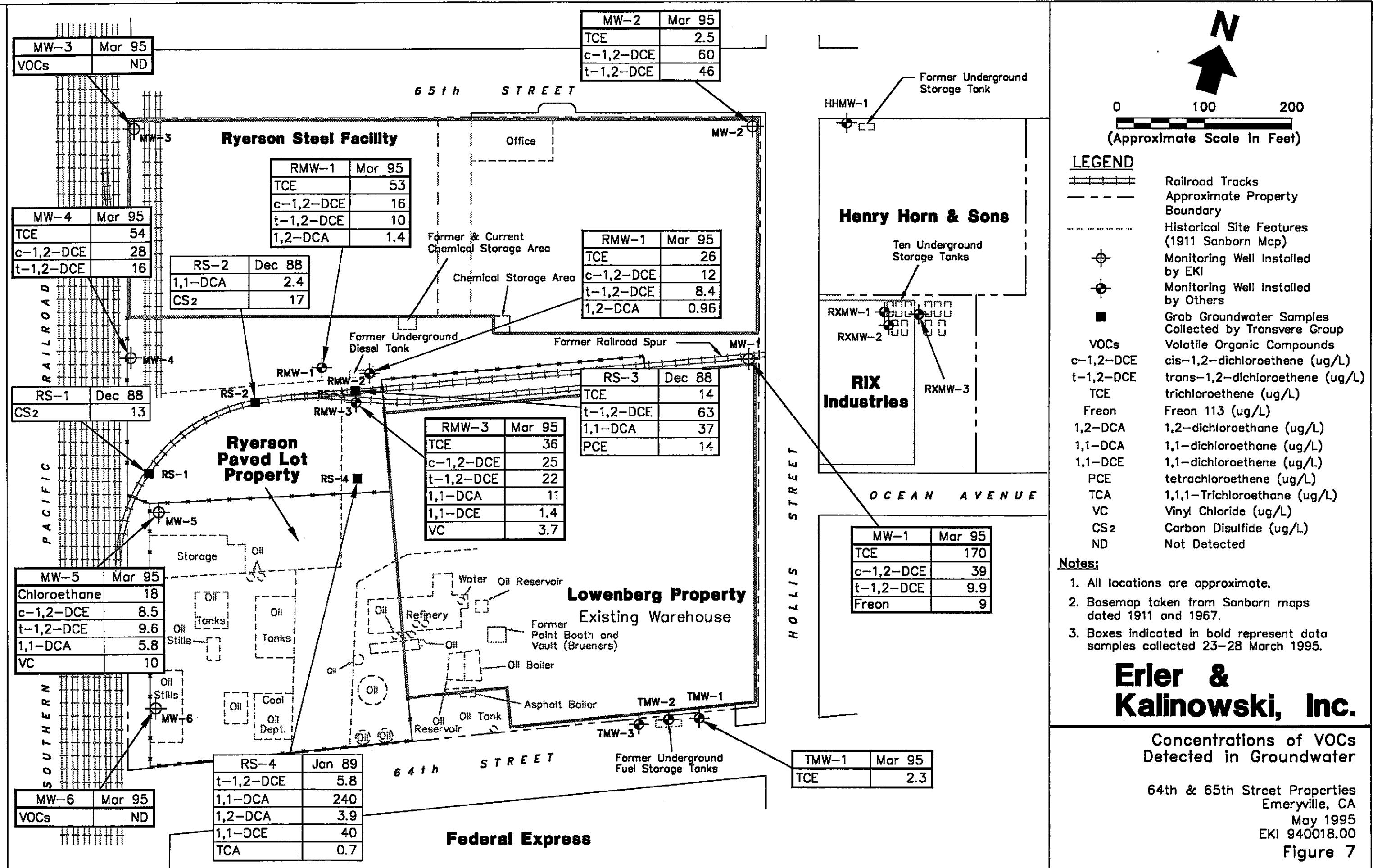
**64th & 65th Street Properties  
Emeryville, CA**

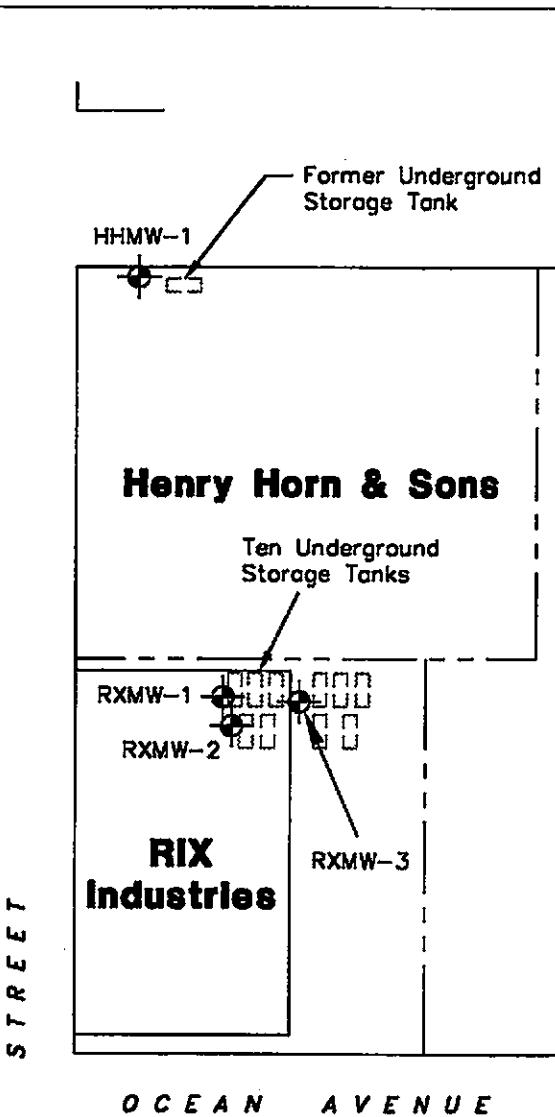
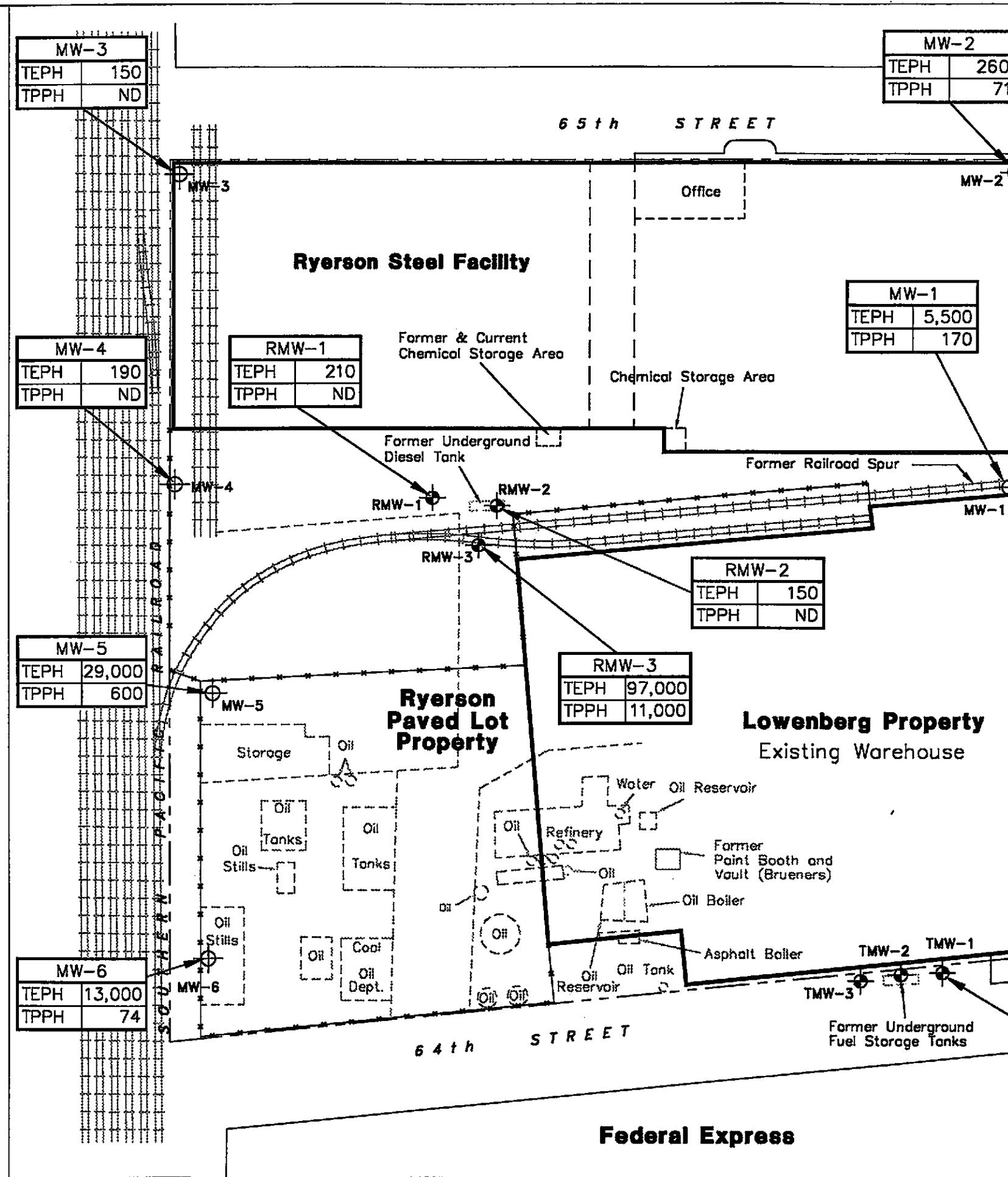
**May 1995**

**EKI 940018.00**

**Figure 4**







— Notes

1. All locations are approximate.
  2. Basemap taken from Sanborn maps dated 1911 and 1967.
  3. Samples collected 23-28 March 1995.
  4. TEPH and TRPH quantified using EPA Method 8015m.

# **Erler & Kalinowski, Inc.**

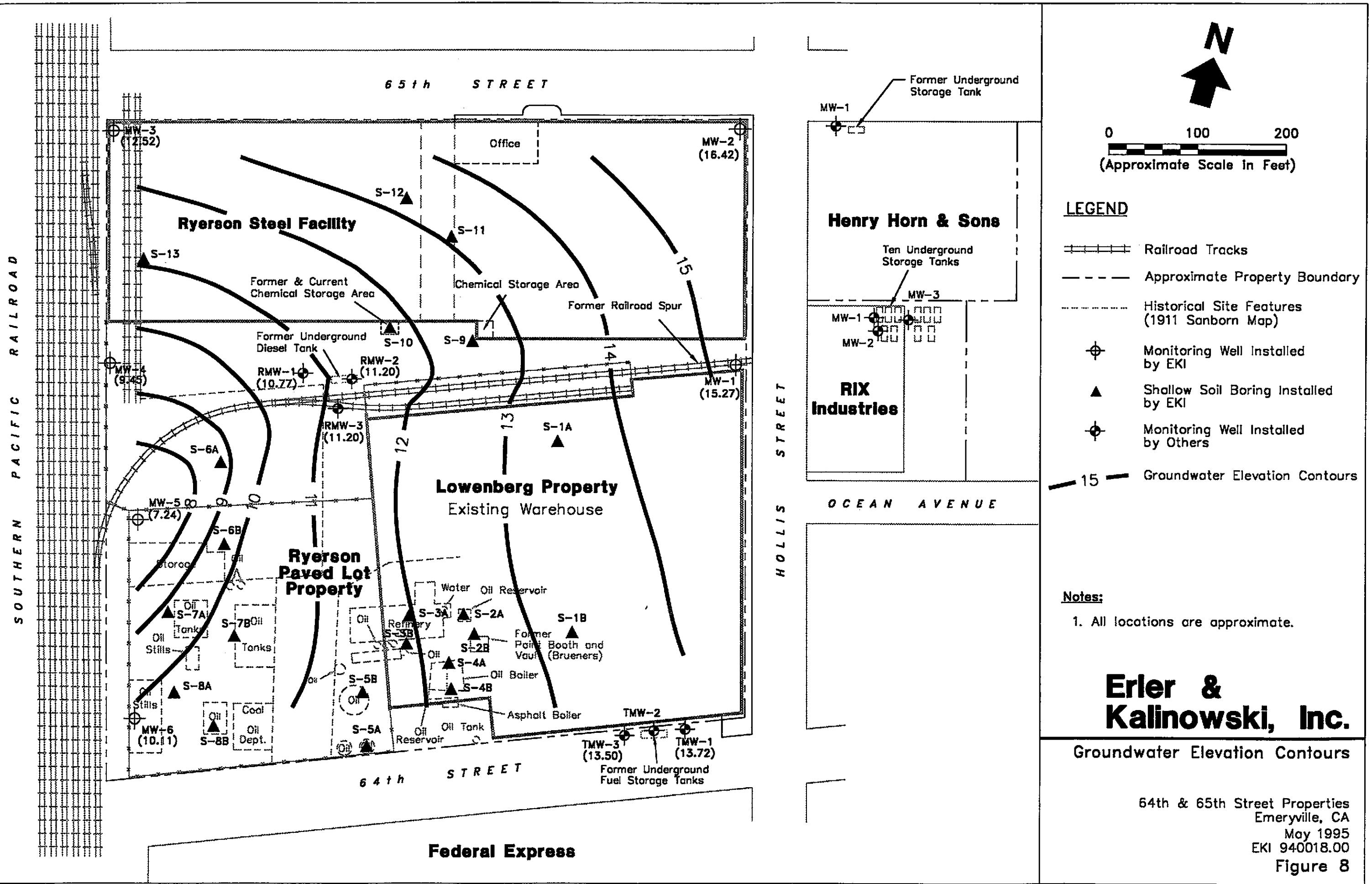
## Concentrations of Petroleum Hydrocarbons in Groundwater

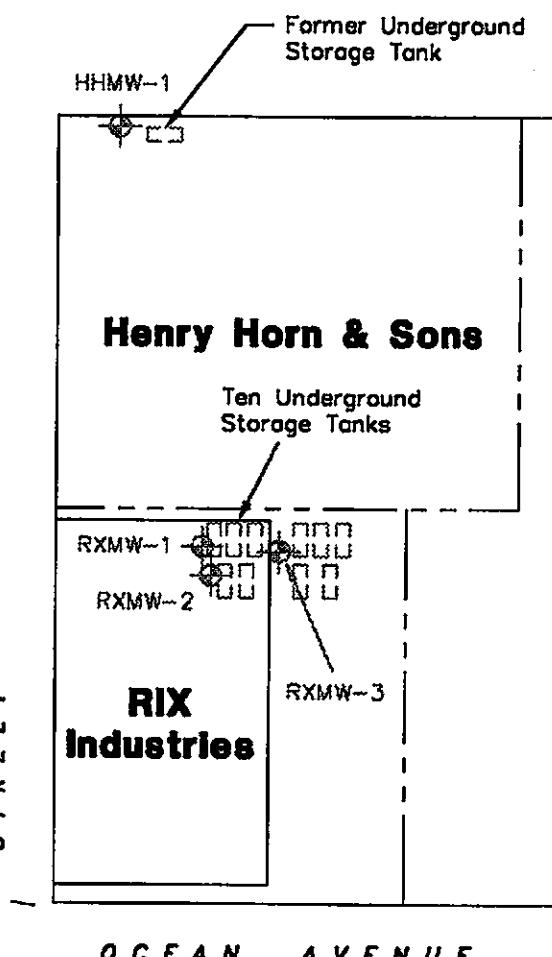
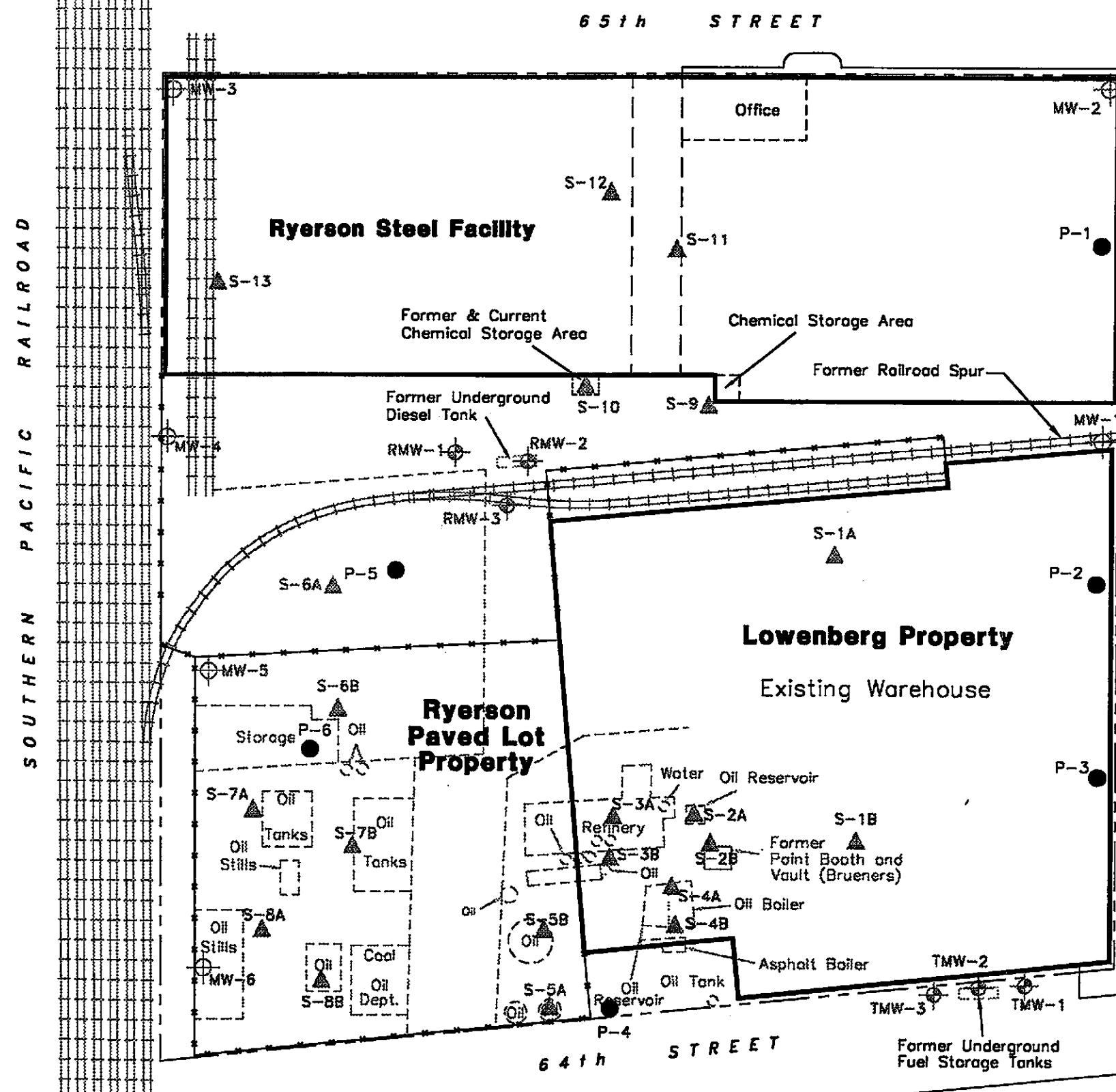
**64th & 65th Street Properties  
Emeryville, CA**

May 1995

EKI 940018.00

Figure 6





0 100 200  
(Approximate Scale in Feet)

#### LEGEND

- Railroad Tracks
- - - Approximate Property Boundary
- ... Historical Site Features (1911 Sanborn Map)
- Monitoring Well Installed by EKI
- ▲ Shallow Soil Boring by EKI
- Monitoring Well Installed by Others
- Proposed Piezometer Location

#### Notes:

1. All locations are approximate.

**Erler & Kalinowski, Inc.**

Location of Proposed Piezometers

64th & 65th Street Properties  
Emeryville, CA  
May 1995  
EKI 940018.00  
Figure 9

## Boring & Well Construction Log



Sequoia  
Analytical

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

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

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

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

COPY

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Client Proj. ID: 940018.00, Sybase  
Lab Proj. ID: 9503838

Sampled: 03/07/95  
Received: 03/07/95  
Analyzed: see below

Attention: Paul Hoffey

Reported: 03/22/95

COC Number:

#### LABORATORY ANALYSIS

| Analyte                                                | Units | Date Analyzed | Detection Limit | Sample Results | Batch Number    |
|--------------------------------------------------------|-------|---------------|-----------------|----------------|-----------------|
| Lab No: 9503838-01,<br>Sample Desc : SOLID, MW5-6      |       |               |                 |                |                 |
| TRPH (EPA 418.1)                                       | mg/Kg | 03/17/95      | 15              | 22             | IN0317954181FTA |
| Lab No: 9503838-02,<br>Sample Desc : SOLID, S7A/B COMP |       |               |                 |                |                 |
| TRPH (EPA 418.1)                                       | mg/Kg | 03/17/95      | 75              | 1400           | IN0317954181FTA |
| Lab No: 9503838-03,<br>Sample Desc : SOLID, S8B/A COMP |       |               |                 |                |                 |
| TRPH (EPA 418.1)                                       | mg/Kg | 03/17/95      | 15              | 120            | IN0317954181FTA |
| Lab No: 9503838-04,<br>Sample Desc : SOLID, S5A/B COMP |       |               |                 |                |                 |
| TRPH (EPA 418.1)                                       | mg/Kg | 03/17/95      | 15              | 89             | IN0317954181FTA |
| Lab No: 9503838-05,<br>Sample Desc : SOLID, MW3-4      |       |               |                 |                |                 |
| TRPH (EPA 418.1)                                       | mg/Kg | 03/17/95      | 15              | N.D.           | IN0317954181FTA |

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

SEQUOIA ANALYTICAL - ELAP #1210

Eileen Manning  
Project Manager

Page:

1



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Client Proj. ID: 940018.00, Sybase  
Lab Proj. ID: 9503838

Sampled:  
Received: 03/07/95  
Analyzed: see below

Attention: Paul Hoffey

Reported: 03/22/95

COC Number:

### LABORATORY ANALYSIS

| Analyte                                                  | Units | Date Analyzed | Detection Limit | Sample Results | Batch Number    |
|----------------------------------------------------------|-------|---------------|-----------------|----------------|-----------------|
| Lab No: 9503838-06,<br>Sample Desc : SOLID, Method Blank |       |               |                 |                |                 |
| TRPH (EPA 418.1)                                         | mg/Kg | 03/17/95      | 15              | N.D.           | IN0317954181FTA |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page: 2



Sequoia  
Analytical

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

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

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

FAX (415) 364-9333  
FAX (510) 988-9673  
FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW5-6  
Matrix: SOLID  
Analysis Method: EPA 8010  
Lab Number: 9503838-01

Sampled: 03/07/95  
Received: 03/07/95  
Extracted: 03/13/95  
Analyzed: 03/14/95  
Reported: 03/22/95

COC Number:  
QC Batch Number: GC0313958010EXB

Instrument ID: GCHP16

### Halogenated Volatile Organics (EPA 8010)

| Analyte                   | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|---------------------------|--------------------------|-------------------------|
| Bromodichloromethane      | 5.0                      | N.D.                    |
| Bromoform                 | 5.0                      | N.D.                    |
| Bromomethane              | 10                       | N.D.                    |
| Carbon Tetrachloride      | 5.0                      | N.D.                    |
| Chlorobenzene             | 5.0                      | N.D.                    |
| Chloroethane              | 10                       | N.D.                    |
| 2-Chloroethylvinyl ether  | 10                       | N.D.                    |
| Chloroform                | 5.0                      | N.D.                    |
| Chloromethane             | 10                       | N.D.                    |
| Dibromochloromethane      | 5.0                      | N.D.                    |
| 1,2-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,3-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,4-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,1-Dichloroethane        | 5.0                      | N.D.                    |
| 1,2-Dichloroethane        | 5.0                      | N.D.                    |
| 1,1-Dichloroethene        | 5.0                      | N.D.                    |
| cis-1,2-Dichloroethene    | 5.0                      | N.D.                    |
| trans-1,2-Dichloroethene  | 5.0                      | N.D.                    |
| 1,2-Dichloropropane       | 5.0                      | N.D.                    |
| cis-1,3-Dichloropropene   | 5.0                      | N.D.                    |
| trans-1,3-Dichloropropene | 5.0                      | N.D.                    |
| Methylene chloride        | 50                       | N.D.                    |
| 1,1,2,2-Tetrachloroethane | 5.0                      | N.D.                    |
| Tetrachloroethene         | 5.0                      | N.D.                    |
| 1,1,1-Trichloroethane     | 5.0                      | N.D.                    |
| 1,1,2-Trichloroethane     | 5.0                      | N.D.                    |
| Trichloroethene           | 5.0                      | N.D.                    |
| Trichlorofluoromethane    | 5.0                      | N.D.                    |
| Vinyl chloride            | 10                       | N.D.                    |
|                           |                          |                         |
| <b>Surrogates</b>         | <b>Control Limits %</b>  |                         |
| 1-Chloro-2-fluorobenzene  | 60                       | 130                     |
|                           |                          | <b>% Recovery</b>       |
|                           |                          | 71                      |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

3



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW5-6  
Matrix: SOLID  
Analysis Method: EPA 8100  
Lab Number: 9503838-01

Sampled: 03/07/95  
Received: 03/07/95  
Extracted: 03/16/95  
Analyzed: 03/17/95  
Reported: 03/22/95

COC Number:

QC Batch Number: GC0315958100EXB

Instrument ID: GCHP11

**Polynuclear Aromatic Hydrocarbons (EPA 8100)**

| Analyte                | Detection Limit<br>ug/Kg        | Sample Results<br>ug/Kg |
|------------------------|---------------------------------|-------------------------|
| Acenaphthene           | 250                             | N.D.                    |
| Acenaphthylene         | 250                             | N.D.                    |
| Anthracene             | 250                             | N.D.                    |
| Benzo(a)anthracene     | 250                             | N.D.                    |
| Benzo(a)pyrene         | 250                             | N.D.                    |
| Benzo(b)fluoranthene   | 250                             | N.D.                    |
| Benzo(g,h,i)perylene   | 250                             | N.D.                    |
| Benzo(k)fluoranthene   | 250                             | N.D.                    |
| Chrysene               | 250                             | N.D.                    |
| Dibenzo(a,h)anthracene | 250                             | N.D.                    |
| Fluoranthene           | 250                             | N.D.                    |
| Fluorene               | 250                             | N.D.                    |
| Indeno(1,2,3-cd)pyrene | 250                             | N.D.                    |
| Naphthalene            | 250                             | N.D.                    |
| Phenanthrene           | 250                             | N.D.                    |
| Pyrene                 | 250                             | N.D.                    |
| Surrogates             |                                 |                         |
| 2-Fluorobiphenyl       | Control Limits %<br>50      150 | % Recovery<br>80        |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page: 4



# Sequoia Analytical

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW5-6  
Matrix: SOLID  
Analysis Method: EPA 6010  
Lab Number: 9503838-01

Sampled: 03/07/95  
Received: 03/07/95  
Extracted: 03/15/95  
Analyzed: 03/16/95  
Reported: 03/22/95

COC Number:  
QC Batch Number: ME0315956010MDD

Instrument ID: MTJA2

| Analyte      | Detection Limit<br>mg/Kg | Sample Results<br>mg/Kg |
|--------------|--------------------------|-------------------------|
| Arsenic, As  | 5.0                      | N.D.                    |
| Chromium, Cr | 0.50                     | 17                      |
| Lead, Pb     | 5.0                      | N.D.                    |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

5





**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW5-6  
Matrix: SOLID  
Analysis Method: EPA 8080  
Lab Number: 9503838-01

Sampled: 03/07/95  
Received: 03/07/95  
Extracted: 03/15/95  
Analyzed: 03/16/95  
Reported: 03/22/95

COC Number:  
QC Batch Number: GC0314950PCBEXB

Instrument ID: GCPE5

**Polychlorinated Biphenyls (EPA 8080)**

| Analyte             | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|---------------------|--------------------------|-------------------------|
| PCB-1016            | 20                       | N.D.                    |
| PCB-1221            | 80                       | N.D.                    |
| PCB-1232            | 20                       | N.D.                    |
| PCB-1242            | 20                       | N.D.                    |
| PCB-1248            | 20                       | N.D.                    |
| PCB-1254            | 20                       | N.D.                    |
| PCB-1260            | 20                       | N.D.                    |
| Surrogates          |                          | Control Limits %        |
| Dibutylchloroendate |                          | 30                  150 |
|                     |                          | % Recovery          69  |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page: 6



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S7A/B COMP  
Matrix: SOLID  
Analysis Method: EPA 8010  
Lab Number: 9503838-02

Sampled: 03/07/95  
Received: 03/07/95  
Extracted: 03/13/95  
Analyzed: 03/16/95  
Reported: 03/22/95

COC Number:  
QC Batch Number: GC0313958010EXB

Instrument ID: GCHP16

### Halogenated Volatile Organics (EPA 8010)

| Analyte                   | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|---------------------------|--------------------------|-------------------------|
| Bromodichloromethane      | 5.0                      | N.D.                    |
| Bromoform                 | 5.0                      | N.D.                    |
| Bromomethane              | 10                       | N.D.                    |
| Carbon Tetrachloride      | 5.0                      | N.D.                    |
| Chlorobenzene             | 5.0                      | N.D.                    |
| Chloroethane              | 10                       | N.D.                    |
| 2-Chloroethylvinyl ether  | 10                       | N.D.                    |
| Chloroform                | 5.0                      | N.D.                    |
| Chloromethane             | 10                       | N.D.                    |
| Dibromochloromethane      | 5.0                      | N.D.                    |
| 1,2-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,3-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,4-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,1-Dichloroethane        | 5.0                      | N.D.                    |
| 1,2-Dichloroethane        | 5.0                      | N.D.                    |
| 1,1-Dichloroethene        | 5.0                      | N.D.                    |
| cis-1,2-Dichloroethene    | 5.0                      | N.D.                    |
| trans-1,2-Dichloroethene  | 5.0                      | N.D.                    |
| 1,2-Dichloropropane       | 5.0                      | N.D.                    |
| cis-1,3-Dichloropropene   | 5.0                      | N.D.                    |
| trans-1,3-Dichloropropene | 5.0                      | N.D.                    |
| Methylene chloride        | 50                       | N.D.                    |
| 1,1,2,2-Tetrachloroethane | 5.0                      | N.D.                    |
| Tetrachloroethene         | 5.0                      | N.D.                    |
| 1,1,1-Trichloroethane     | 5.0                      | N.D.                    |
| 1,1,2-Trichloroethane     | 5.0                      | N.D.                    |
| Trichloroethene           | 5.0                      | N.D.                    |
| Trichlorofluoromethane    | 5.0                      | N.D.                    |
| Vinyl chloride            | 10                       | N.D.                    |
| Surrogates                |                          |                         |
| 1-Chloro-2-fluorobenzene  | 60                       | 130                     |
|                           | Control Limits %         | % Recovery              |
|                           |                          | 81                      |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

7



**Sequoia  
Analytical**

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S7A/B COMP  
Matrix: SOLID  
Analysis Method: EPA 8100  
Lab Number: 9503838-02

Sampled: 03/07/95  
Received: 03/07/95  
Extracted: 03/16/95  
Analyzed: 03/17/95  
Reported: 03/22/95

COC Number:  
QC Batch Number: GC0315958100EXB

Instrument ID: GCHP11

**Polynuclear Aromatic Hydrocarbons (EPA 8100)**

| Analyte                | Detection Limit<br>ug/Kg        | Sample Results<br>ug/Kg |
|------------------------|---------------------------------|-------------------------|
| Acenaphthene           | 250                             | N.D.                    |
| Acenaphthylene         | 250                             | N.D.                    |
| Anthracene             | 250                             | N.D.                    |
| Benzo(a)anthracene     | 250                             | N.D.                    |
| Benzo(a)pyrene         | 250                             | N.D.                    |
| Benzo(b)fluoranthene   | 250                             | N.D.                    |
| Benzo(g,h,i)perylene   | 250                             | N.D.                    |
| Benzo(k)fluoranthene   | 250                             | N.D.                    |
| Chrysene               | 250                             | N.D.                    |
| Dibenzo(a,h)anthracene | 250                             | N.D.                    |
| Fluoranthene           | 250                             | N.D.                    |
| Fluorene               | 250                             | N.D.                    |
| Indeno(1,2,3-cd)pyrene | 250                             | N.D.                    |
| Naphthalene            | 250                             | N.D.                    |
| Phenanthrene           | 250                             | N.D.                    |
| Pyrene                 | 250                             | N.D.                    |
|                        |                                 |                         |
| <b>Surrogates</b>      |                                 |                         |
| 2-Fluorobiphenyl       | Control Limits %<br>50      150 | % Recovery<br>77        |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page: 8



# Sequoia Analytical

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S7A/B COMP  
Matrix: SOLID  
Analysis Method: EPA 6010  
Lab Number: 9503838-02

Sampled: 03/07/95  
Received: 03/07/95  
Extracted: 03/15/95  
Analyzed: 03/16/95  
Reported: 03/22/95

COC Number:  
QC Batch Number: ME0315956010MDD

Instrument ID: MTJA2

| Analyte      | Detection Limit<br>mg/Kg | Sample Results<br>mg/Kg |
|--------------|--------------------------|-------------------------|
| Arsenic, As  | 5.0                      | N.D.                    |
| Chromium, Cr | 0.50                     | 28                      |
| Lead, Pb     | 5.0                      | N.D.                    |

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

SEQUOIA ANALYTICAL - ELAP #1210

Eileen Manning  
Project Manager

Page: 9



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S7A/B COMP  
Matrix: SOLID  
Analysis Method: EPA 8080  
Lab Number: 9503838-02

Sampled: 03/07/95  
Received: 03/07/95  
Extracted: 03/15/95  
Analyzed: 03/16/95  
Reported: 03/22/95

COC Number:  
QC Batch Number: GC0314950PCBEXB

Instrument ID: GCPE5

**Polychlorinated Biphenyls (EPA 8080)**

| Analyte  | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|----------|--------------------------|-------------------------|
| PCB-1016 | 20                       | N.D.                    |
| PCB-1221 | 80                       | N.D.                    |
| PCB-1232 | 20                       | N.D.                    |
| PCB-1242 | 20                       | N.D.                    |
| PCB-1248 | 20                       | N.D.                    |
| PCB-1254 | 20                       | N.D.                    |
| PCB-1260 | 20                       | N.D.                    |

| Surrogates          | Control Limits % | % Recovery |
|---------------------|------------------|------------|
| Dibutylchloroendate | 30      150      | 59         |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

10



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S8B/A COMP  
Matrix: SOLID  
Analysis Method: EPA 8010  
Lab Number: 9503838-03

Sampled: 03/07/95  
Received: 03/07/95  
Extracted: 03/13/95  
Analyzed: 03/16/95  
Reported: 03/22/95

COC Number:  
QC Batch Number: GC0313958010EXB

Instrument ID: GCHP16

### Halogenated Volatile Organics (EPA 8010)

| Analyte                   | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|---------------------------|--------------------------|-------------------------|
| Bromodichloromethane      | 5.0                      | N.D.                    |
| Bromoform                 | 5.0                      | N.D.                    |
| Bromomethane              | 10                       | N.D.                    |
| Carbon Tetrachloride      | 5.0                      | N.D.                    |
| Chlorobenzene             | 5.0                      | N.D.                    |
| Chloroethane              | 10                       | N.D.                    |
| 2-Chloroethylvinyl ether  | 10                       | N.D.                    |
| Chloroform                | 5.0                      | N.D.                    |
| Chloromethane             | 10                       | N.D.                    |
| Dibromochloromethane      | 5.0                      | N.D.                    |
| 1,2-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,3-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,4-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,1-Dichloroethane        | 5.0                      | N.D.                    |
| 1,2-Dichloroethane        | 5.0                      | N.D.                    |
| 1,1-Dichloroethene        | 5.0                      | N.D.                    |
| cis-1,2-Dichloroethene    | 5.0                      | N.D.                    |
| trans-1,2-Dichloroethene  | 5.0                      | N.D.                    |
| 1,2-Dichloropropane       | 5.0                      | N.D.                    |
| cis-1,3-Dichloropropene   | 5.0                      | N.D.                    |
| trans-1,3-Dichloropropene | 5.0                      | N.D.                    |
| Methylene chloride        | 50                       | N.D.                    |
| 1,1,2,2-Tetrachloroethane | 5.0                      | N.D.                    |
| Tetrachloroethene         | 5.0                      | N.D.                    |
| 1,1,1-Trichloroethane     | 5.0                      | N.D.                    |
| 1,1,2-Trichloroethane     | 5.0                      | N.D.                    |
| Trichloroethene           | 5.0                      | N.D.                    |
| Trichlorofluoromethane    | 5.0                      | N.D.                    |
| Vinyl chloride            | 10                       | N.D.                    |
| Surrogates                |                          |                         |
| 1-Chloro-2-fluorobenzene  | 60      130              | % Recovery<br>81        |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

11



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S8B/A COMP  
Matrix: SOLID  
Analysis Method: EPA 8100  
Lab Number: 9503838-03

Sampled: 03/07/95  
Received: 03/07/95  
Extracted: 03/16/95  
Analyzed: 03/17/95  
Reported: 03/22/95

COC Number:

QC Batch Number: GC0315958100EXB

Instrument ID: GCHP11

### Polynuclear Aromatic Hydrocarbons (EPA 8100)

| Analyte                | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|------------------------|--------------------------|-------------------------|
| Acenaphthene           | 250                      | N.D.                    |
| Acenaphthylene         | 250                      | N.D.                    |
| Anthracene             | 250                      | N.D.                    |
| Benzo(a)anthracene     | 250                      | N.D.                    |
| Benzo(a)pyrene         | 250                      | N.D.                    |
| Benzo(b)fluoranthene   | 250                      | N.D.                    |
| Benzo(g,h,i)perylene   | 250                      | N.D.                    |
| Benzo(k)fluoranthene   | 250                      | N.D.                    |
| Chrysene               | 250                      | N.D.                    |
| Dibenzo(a,h)anthracene | 250                      | N.D.                    |
| Fluoranthene           | 250                      | N.D.                    |
| Fluorene               | 250                      | N.D.                    |
| Indeno(1,2,3-cd)pyrene | 250                      | N.D.                    |
| Naphthalene            | 250                      | N.D.                    |
| Phenanthrene           | 250                      | N.D.                    |
| Pyrene                 | 250                      | N.D.                    |

Surrogates  
2-Fluorobiphenyl

Control Limits %  
50                  150

% Recovery  
100

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

12



# Sequoia Analytical

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S8B/A COMP  
Matrix: SOLID  
Analysis Method: EPA 6010  
Lab Number: 9503838-03

Sampled: 03/07/95  
Received: 03/07/95  
Extracted: 03/15/95  
Analyzed: 03/16/95  
Reported: 03/22/95

COC Number:  
QC Batch Number: ME0315956010MDD

Instrument ID: MTJA2

| Analyte      | Detection Limit<br>mg/Kg | Sample Results<br>mg/Kg |
|--------------|--------------------------|-------------------------|
| Arsenic, As  | 5.0                      | N.D.                    |
| Chromium, Cr | 0.50                     | 28                      |
| Lead, Pb     | 5.0                      | N.D.                    |

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

SEQUOIA ANALYTICAL - ELAP #1210

Eileen Manning  
Project Manager

Page: 13



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S8B/A COMP  
Matrix: SOLID  
Analysis Method: EPA 8080  
Lab Number: 9503838-03

Sampled: 03/07/95  
Received: 03/07/95  
Extracted: 03/15/95  
Analyzed: 03/16/95  
Reported: 03/22/95

COC Number:  
QC Batch Number: GC0314950PCBEXB

Instrument ID: GCPE5

**Polychlorinated Biphenyls (EPA 8080)**

| Analyte                                 | Detection Limit<br>ug/Kg                    | Sample Results<br>ug/Kg |
|-----------------------------------------|---------------------------------------------|-------------------------|
| PCB-1016                                | 20                                          | N.D.                    |
| PCB-1221                                | 80                                          | N.D.                    |
| PCB-1232                                | 20                                          | N.D.                    |
| PCB-1242                                | 20                                          | N.D.                    |
| PCB-1248                                | 20                                          | N.D.                    |
| PCB-1254                                | 20                                          | N.D.                    |
| PCB-1260                                | 20                                          | N.D.                    |
| <b>Surrogates</b><br>Dibutylchlorendate | Control Limits %<br>30                  150 | % Recovery<br>55        |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

14



Sequoia  
Analytical

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S5A/B COMP  
Matrix: SOLID  
Analysis Method: EPA 8010  
Lab Number: 9503838-04

Sampled: 03/07/95  
Received: 03/07/95  
Extracted: 03/13/95  
Analyzed: 03/16/95  
Reported: 03/22/95

COC Number:  
QC Batch Number: GC0313958010EXB

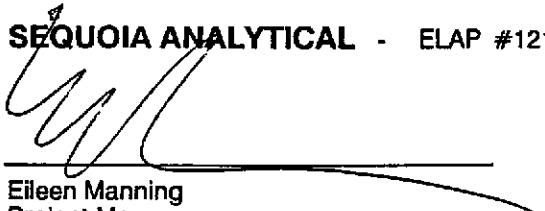
Instrument ID: GCHP16

### Halogenated Volatile Organics (EPA 8010)

| Analyte                   | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|---------------------------|--------------------------|-------------------------|
| Bromodichloromethane      | 5.0                      | N.D.                    |
| Bromoform                 | 5.0                      | N.D.                    |
| Bromomethane              | 10                       | N.D.                    |
| Carbon Tetrachloride      | 5.0                      | N.D.                    |
| Chlorobenzene             | 5.0                      | N.D.                    |
| Chloroethane              | 10                       | N.D.                    |
| 2-Chloroethylvinyl ether  | 10                       | N.D.                    |
| Chloroform                | 5.0                      | N.D.                    |
| Chloromethane             | 10                       | N.D.                    |
| Dibromochloromethane      | 5.0                      | N.D.                    |
| 1,2-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,3-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,4-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,1-Dichloroethane        | 5.0                      | N.D.                    |
| 1,2-Dichloroethane        | 5.0                      | N.D.                    |
| 1,1-Dichloroethene        | 5.0                      | N.D.                    |
| cis-1,2-Dichloroethene    | 5.0                      | N.D.                    |
| trans-1,2-Dichloroethene  | 5.0                      | N.D.                    |
| 1,2-Dichloropropane       | 5.0                      | N.D.                    |
| cis-1,3-Dichloropropene   | 5.0                      | N.D.                    |
| trans-1,3-Dichloropropene | 5.0                      | N.D.                    |
| Methylene chloride        | 50                       | N.D.                    |
| 1,1,2,2-Tetrachloroethane | 5.0                      | N.D.                    |
| Tetrachloroethene         | 5.0                      | N.D.                    |
| 1,1,1-Trichloroethane     | 5.0                      | N.D.                    |
| 1,1,2-Trichloroethane     | 5.0                      | N.D.                    |
| Trichloroethene           | 5.0                      | N.D.                    |
| Trichlorofluoromethane    | 5.0                      | N.D.                    |
| Vinyl chloride            | 10                       | N.D.                    |
| Surrogates                |                          |                         |
| 1-Chloro-2-fluorobenzene  | 60                       | 130                     |
| Control Limits %          |                          | % Recovery              |
|                           |                          | 71                      |

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

SEQUOIA ANALYTICAL - ELAP #1210

  
Eileen Manning  
Project Manager



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S5A/B COMP  
Matrix: SOLID  
Analysis Method: EPA 8100  
Lab Number: 9503838-04

Sampled: 03/07/95  
Received: 03/07/95  
Extracted: 03/16/95  
Analyzed: 03/17/95  
Reported: 03/22/95

COC Number:

QC Batch Number: GC0315958100EXB

Instrument ID: GCHP11

**Polynuclear Aromatic Hydrocarbons (EPA 8100)**

| Analyte                | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|------------------------|--------------------------|-------------------------|
| Acenaphthene           | 250                      | N.D.                    |
| Acenaphthylene         | 250                      | N.D.                    |
| Anthracene             | 250                      | N.D.                    |
| Benzo(a)anthracene     | 250                      | N.D.                    |
| Benzo(a)pyrene         | 250                      | N.D.                    |
| Benzo(b)fluoranthene   | 250                      | N.D.                    |
| Benzo(g,h,i)perylene   | 250                      | N.D.                    |
| Benzo(k)fluoranthene   | 250                      | N.D.                    |
| Chrysene               | 250                      | N.D.                    |
| Dibenzo(a,h)anthracene | 250                      | N.D.                    |
| Fluoranthene           | 250                      | N.D.                    |
| Fluorene               | 250                      | N.D.                    |
| Indeno(1,2,3-cd)pyrene | 250                      | N.D.                    |
| Naphthalene            | 250                      | N.D.                    |
| Phenanthrene           | 250                      | N.D.                    |
| Pyrene                 | 250                      | N.D.                    |

**Surrogates**

2-Fluorobiphenyl

Control Limits %

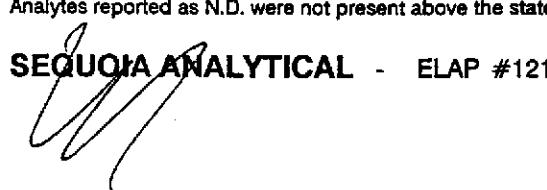
50                    150

% Recovery

65

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

**SEQUOIA ANALYTICAL - ELAP #1210**

  
Eileen Manning  
Project Manager

Page:

16



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S5A/B COMP  
Matrix: SOLID  
Analysis Method: EPA 6010  
Lab Number: 9503838-04

Sampled: 03/07/95  
Received: 03/07/95  
Extracted: 03/15/95  
Analyzed: 03/16/95  
Reported: 03/22/95

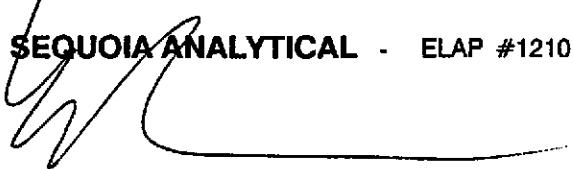
COC Number:  
QC Batch Number: ME0315956010MDD

Instrument ID: MTJA2

| Analyte      | Detection Limit<br>mg/Kg | Sample Results<br>mg/Kg |
|--------------|--------------------------|-------------------------|
| Arsenic, As  | 5.0                      | N.D.                    |
| Chromium, Cr | 0.50                     | 21                      |
| Lead, Pb     | 5.0                      | 7.7                     |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

  
Eileen Manning  
Project Manager

Page:

17



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S5A/B COMP  
Matrix: SOLID  
Analysis Method: EPA 8080  
Lab Number: 9503838-04

Sampled: 03/07/95  
Received: 03/07/95  
Extracted: 03/15/95  
Analyzed: 03/16/95  
Reported: 03/22/95

COC Number:  
QC Batch Number: GC0314950PCBEXB

Instrument ID: GCPE5

**Polychlorinated Biphenyls (EPA 8080)**

| Analyte  | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|----------|--------------------------|-------------------------|
| PCB-1016 | 20                       | N.D.                    |
| PCB-1221 | 80                       | N.D.                    |
| PCB-1232 | 20                       | N.D.                    |
| PCB-1242 | 20                       | N.D.                    |
| PCB-1248 | 20                       | N.D.                    |
| PCB-1254 | 20                       | N.D.                    |
| PCB-1260 | 20                       | N.D.                    |

| Surrogates         | Control Limits % | % Recovery |
|--------------------|------------------|------------|
| Dibutylchlorendate | 30      150      | 53         |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

18



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW3-4  
Matrix: SOLID  
Analysis Method: EPA 8010  
Lab Number: 9503838-05

Sampled: 03/07/95  
Received: 03/07/95  
Extracted: 03/13/95  
Analyzed: 03/16/95  
Reported: 03/22/95

COC Number:  
QC Batch Number: GC0313958010EXB

Instrument ID: GCHP16

### Halogenated Volatile Organics (EPA 8010)

| Analyte                   | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|---------------------------|--------------------------|-------------------------|
| Bromodichloromethane      | 5.0                      | N.D.                    |
| Bromoform                 | 5.0                      | N.D.                    |
| Bromomethane              | 10                       | N.D.                    |
| Carbon Tetrachloride      | 5.0                      | N.D.                    |
| Chlorobenzene             | 5.0                      | N.D.                    |
| Chloroethane              | 10                       | N.D.                    |
| 2-Chloroethylvinyl ether  | 10                       | N.D.                    |
| Chloroform                | 5.0                      | N.D.                    |
| Chloromethane             | 10                       | N.D.                    |
| Dibromochloromethane      | 5.0                      | N.D.                    |
| 1,2-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,3-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,4-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,1-Dichloroethane        | 5.0                      | N.D.                    |
| 1,2-Dichloroethane        | 5.0                      | N.D.                    |
| 1,1-Dichloroethene        | 5.0                      | N.D.                    |
| cis-1,2-Dichloroethene    | 5.0                      | N.D.                    |
| trans-1,2-Dichloroethene  | 5.0                      | N.D.                    |
| 1,2-Dichloropropane       | 5.0                      | N.D.                    |
| cis-1,3-Dichloropropene   | 5.0                      | N.D.                    |
| trans-1,3-Dichloropropene | 5.0                      | N.D.                    |
| Methylene chloride        | 50                       | N.D.                    |
| 1,1,2,2-Tetrachloroethane | 5.0                      | N.D.                    |
| Tetrachloroethene         | 5.0                      | N.D.                    |
| 1,1,1-Trichloroethane     | 5.0                      | N.D.                    |
| 1,1,2-Trichloroethane     | 5.0                      | N.D.                    |
| Trichloroethene           | 5.0                      | N.D.                    |
| Trichlorofluoromethane    | 5.0                      | N.D.                    |
| Vinyl chloride            | 10                       | N.D.                    |
| Surrogates                |                          |                         |
| 1-Chloro-2-fluorobenzene  | 60                       | 130                     |
| Control Limits %          |                          | % Recovery              |
|                           |                          | 71                      |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

19



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW3-4  
Matrix: SOLID  
Analysis Method: EPA 8100  
Lab Number: 9503838-05

Sampled: 03/07/95  
Received: 03/07/95  
Extracted: 03/16/95  
Analyzed: 03/17/95  
Reported: 03/22/95

COC Number:  
QC Batch Number: GC0315958100EXB

Instrument ID: GCHP11

**Polynuclear Aromatic Hydrocarbons (EPA 8100)**

| Analyte                | Detection Limit<br>ug/Kg        | Sample Results<br>ug/Kg |
|------------------------|---------------------------------|-------------------------|
| Acenaphthene           | 250                             | N.D.                    |
| Acenaphthylene         | 250                             | N.D.                    |
| Anthracene             | 250                             | N.D.                    |
| Benzo(a)anthracene     | 250                             | N.D.                    |
| Benzo(a)pyrene         | 250                             | N.D.                    |
| Benzo(b)fluoranthene   | 250                             | N.D.                    |
| Benzo(g,h,i)perylene   | 250                             | N.D.                    |
| Benzo(k)fluoranthene   | 250                             | N.D.                    |
| Chrysene               | 250                             | N.D.                    |
| Dibenzo(a,h)anthracene | 250                             | N.D.                    |
| Fluoranthene           | 250                             | N.D.                    |
| Fluorene               | 250                             | N.D.                    |
| Indeno(1,2,3-cd)pyrene | 250                             | N.D.                    |
| Naphthalene            | 250                             | N.D.                    |
| Phenanthrene           | 250                             | N.D.                    |
| Pyrene                 | 250                             | N.D.                    |
| Surrogates             |                                 |                         |
| 2-Fluorobiphenyl       | Control Limits %<br>50      150 | % Recovery<br>68        |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

20



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW3-4  
Matrix: SOLID  
Analysis Method: EPA 6010  
Lab Number: 9503838-05

Sampled: 03/07/95  
Received: 03/07/95  
Extracted: 03/15/95  
Analyzed: 03/16/95  
Reported: 03/22/95

COC Number:  
QC Batch Number: ME0315956010MDD

Instrument ID: MTJA2

| Analyte      | Detection Limit<br>mg/Kg | Sample Results<br>mg/Kg |
|--------------|--------------------------|-------------------------|
| Arsenic, As  | 5.0                      | N.D.                    |
| Chromium, Cr | 0.50                     | 33                      |
| Lead, Pb     | 5.0                      | 6.7                     |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

21





**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW3-4  
Matrix: SOLID  
Analysis Method: EPA 8080  
Lab Number: 9503838-05

Sampled: 03/07/95  
Received: 03/07/95  
Extracted: 03/15/95  
Analyzed: 03/16/95  
Reported: 03/22/95

COC Number:  
QC Batch Number: GC0314950PCBEXB

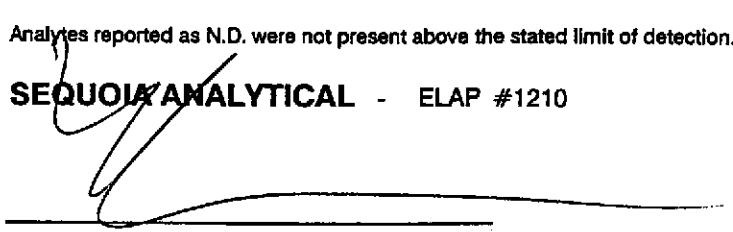
Instrument ID: GCPE5

### Polychlorinated Biphenyls (EPA 8080)

| Analyte                                  | Detection Limit<br>ug/Kg               | Sample Results<br>ug/Kg |
|------------------------------------------|----------------------------------------|-------------------------|
| PCB-1016                                 | 20                                     | N.D.                    |
| PCB-1221                                 | 80                                     | N.D.                    |
| PCB-1232                                 | 20                                     | N.D.                    |
| PCB-1242                                 | 20                                     | N.D.                    |
| PCB-1248                                 | 20                                     | N.D.                    |
| PCB-1254                                 | 20                                     | N.D.                    |
| PCB-1260                                 | 20                                     | 32                      |
| -----                                    |                                        |                         |
| <b>Surrogates</b><br>Dibutylchloroendate | <b>Control Limits %</b><br>30      150 | <b>% Recovery</b><br>60 |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

  
Eileen Manning  
Project Manager

Page:

22



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: Method Blank  
Matrix: SOLID  
Analysis Method: EPA 8080  
Lab Number: 9503838-06

Sampled:  
Received: 03/07/95  
Extracted: 03/15/95  
Analyzed: 03/16/95  
Reported: 03/22/95

COC Number:  
QC Batch Number: GC0314950PCBEXB

Instrument ID: GCPE5

### Polychlorinated Biphenyls (EPA 8080)

| Analyte            | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|--------------------|--------------------------|-------------------------|
| PCB-1016           | 20                       | N.D.                    |
| PCB-1221           | 80                       | N.D.                    |
| PCB-1232           | 20                       | N.D.                    |
| PCB-1242           | 20                       | N.D.                    |
| PCB-1248           | 20                       | N.D.                    |
| PCB-1254           | 20                       | N.D.                    |
| PCB-1260           | 20                       | N.D.                    |
| Surrogates         |                          | Control Limits %        |
| Dibutylchlorendate |                          | 30 150                  |
|                    |                          | % Recovery              |
|                    |                          | 78                      |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

23



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: Method Blank  
Matrix: SOLID  
Analysis Method: EPA 8010  
Lab Number: 9503838-06

Sampled:  
Received: 03/07/95  
Extracted: 03/13/95  
Analyzed: 03/14/95  
Reported: 03/22/95

COC Number:  
QC Batch Number: GC0313958010EXB

Instrument ID: GCHP16

### Halogenated Volatile Organics (EPA 8010)

| Analyte                   | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|---------------------------|--------------------------|-------------------------|
| Bromodichloromethane      | 5.0                      | N.D.                    |
| Bromoform                 | 5.0                      | N.D.                    |
| Bromomethane              | 10                       | N.D.                    |
| Carbon Tetrachloride      | 5.0                      | N.D.                    |
| Chlorobenzene             | 5.0                      | N.D.                    |
| Chloroethane              | 10                       | N.D.                    |
| 2-Chloroethylvinyl ether  | 10                       | N.D.                    |
| Chloroform                | 5.0                      | N.D.                    |
| Chloromethane             | 10                       | N.D.                    |
| Dibromochloromethane      | 5.0                      | N.D.                    |
| 1,2-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,3-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,4-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,1-Dichloroethane        | 5.0                      | N.D.                    |
| 1,2-Dichloroethane        | 5.0                      | N.D.                    |
| 1,1-Dichloroethene        | 5.0                      | N.D.                    |
| cis-1,2-Dichloroethene    | 5.0                      | N.D.                    |
| trans-1,2-Dichloroethene  | 5.0                      | N.D.                    |
| 1,2-Dichloropropane       | 5.0                      | N.D.                    |
| cis-1,3-Dichloropropene   | 5.0                      | N.D.                    |
| trans-1,3-Dichloropropene | 5.0                      | N.D.                    |
| Methylene chloride        | 50                       | N.D.                    |
| 1,1,2,2-Tetrachloroethane | 5.0                      | N.D.                    |
| Tetrachloroethene         | 5.0                      | N.D.                    |
| 1,1,1-Trichloroethane     | 5.0                      | N.D.                    |
| 1,1,2-Trichloroethane     | 5.0                      | N.D.                    |
| Trichloroethene           | 5.0                      | N.D.                    |
| Trichlorofluoromethane    | 5.0                      | N.D.                    |
| Vinyl chloride            | 10                       | N.D.                    |
| Surrogates                |                          |                         |
| 1-Chloro-2-fluorobenzene  | 60                       | Control Limits %        |
|                           |                          | 130                     |
|                           |                          | % Recovery              |
|                           |                          | 90                      |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

24



**Sequoia  
Analytical**

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

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

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

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

Erier & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: Method Blank  
Matrix: SOLID  
Analysis Method: EPA 8100  
Lab Number: 9503838-06

Sampled:  
Received: 03/07/95  
Extracted: 03/16/95  
Analyzed: 03/17/95  
Reported: 03/22/95

COC Number:  
QC Batch Number: GC0315958100EXB

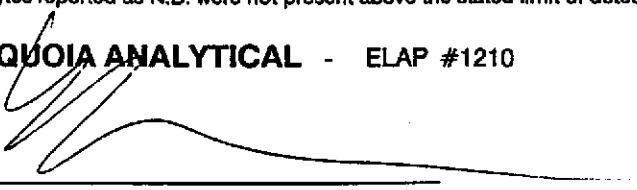
Instrument ID: GCHP11

### Polynuclear Aromatic Hydrocarbons (EPA 8100)

| Analyte                | Detection Limit<br>ug/Kg                    | Sample Results<br>ug/Kg |
|------------------------|---------------------------------------------|-------------------------|
| Acenaphthene           | 250                                         | N.D.                    |
| Acenaphthylene         | 250                                         | N.D.                    |
| Anthracene             | 250                                         | N.D.                    |
| Benzo(a)anthracene     | 250                                         | N.D.                    |
| Benzo(a)pyrene         | 250                                         | N.D.                    |
| Benzo(b)fluoranthene   | 250                                         | N.D.                    |
| Benzo(g,h,i)perylene   | 250                                         | N.D.                    |
| Benzo(k)fluoranthene   | 250                                         | N.D.                    |
| Chrysene               | 250                                         | N.D.                    |
| Dibenz(a,h)anthracene  | 250                                         | N.D.                    |
| Fluoranthene           | 250                                         | N.D.                    |
| Fluorene               | 250                                         | N.D.                    |
| Indeno(1,2,3-cd)pyrene | 250                                         | N.D.                    |
| Naphthalene            | 250                                         | N.D.                    |
| Phenanthrene           | 250                                         | N.D.                    |
| Pyrene                 | 250                                         | N.D.                    |
|                        |                                             |                         |
| <b>Surrogates</b>      |                                             |                         |
| 2-Fluorobiphenyl       | Control Limits %<br>50                  150 | % Recovery<br>94        |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

  
Eileen Manning  
Project Manager



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: Method Blank  
Matrix: SOLID  
Analysis Method: EPA 6010  
Lab Number: 9503838-06

Sampled:  
Received: 03/07/95  
Extracted: 03/15/95  
Analyzed: 03/16/95  
Reported: 03/22/95

COC Number:  
QC Batch Number: ME0315956010MDD

Instrument ID: MTJA2

| Analyte      | Detection Limit<br>mg/Kg | Sample Results<br>mg/Kg |
|--------------|--------------------------|-------------------------|
| Arsenic, As  | 5.0                      | N.D.                    |
| Chromium, Cr | 0.50                     | N.D.                    |
| Lead, Pb     | 5.0                      | N.D.                    |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

26



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: Method Blank  
Matrix: SOLID  
Analysis Method: EPA 8010  
Lab Number: 9503838-07

Sampled:  
Received: 03/07/95  
Extracted: 03/13/95  
Analyzed: 03/16/95  
Reported: 03/22/95

COC Number:  
QC Batch Number: GC0313958010EXB

Instrument ID: GCHP16

### Halogenated Volatile Organics (EPA 8010)

| Analyte                   | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|---------------------------|--------------------------|-------------------------|
| Bromodichloromethane      | 5.0                      | N.D.                    |
| Bromoform                 | 5.0                      | N.D.                    |
| Bromomethane              | 10                       | N.D.                    |
| Carbon Tetrachloride      | 5.0                      | N.D.                    |
| Chlorobenzene             | 5.0                      | N.D.                    |
| Chloroethane              | 10                       | N.D.                    |
| 2-Chloroethylvinyl ether  | 10                       | N.D.                    |
| Chloroform                | 5.0                      | N.D.                    |
| Chloromethane             | 10                       | N.D.                    |
| Dibromochloromethane      | 5.0                      | N.D.                    |
| 1,2-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,3-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,4-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,1-Dichloroethane        | 5.0                      | N.D.                    |
| 1,2-Dichloroethane        | 5.0                      | N.D.                    |
| 1,1-Dichloroethene        | 5.0                      | N.D.                    |
| cis-1,2-Dichloroethene    | 5.0                      | N.D.                    |
| trans-1,2-Dichloroethene  | 5.0                      | N.D.                    |
| 1,2-Dichloropropane       | 5.0                      | N.D.                    |
| cis-1,3-Dichloropropene   | 5.0                      | N.D.                    |
| trans-1,3-Dichloropropene | 5.0                      | N.D.                    |
| Methylene chloride        | 50                       | N.D.                    |
| 1,1,2,2-Tetrachloroethane | 5.0                      | N.D.                    |
| Tetrachloroethene         | 5.0                      | N.D.                    |
| 1,1,1-Trichloroethane     | 5.0                      | N.D.                    |
| 1,1,2-Trichloroethane     | 5.0                      | N.D.                    |
| Trichloroethene           | 5.0                      | N.D.                    |
| Trichlorofluoromethane    | 5.0                      | N.D.                    |
| Vinyl chloride            | 10                       | N.D.                    |
|                           |                          |                         |
| <b>Surrogates</b>         | <b>Control Limits %</b>  |                         |
| 1-Chloro-2-fluorobenzene  | 60                       | 130                     |
|                           |                          | <b>% Recovery</b>       |
|                           |                          | 97                      |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

27



Sequoia  
Analytical

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
Matrix: SOLID  
Sample Descript: MW3-4  
Work Order #: 9503838 01-06

Reported: Mar 23, 1995

## QUALITY CONTROL DATA REPORT

Analyte: TRPH (EPA 418.1)

QC Batch#: IN0317954181FTA  
Analy. Method: EPA 418.1  
Prep. Method: EPA 418.1

Analyst: D. Williams  
MS/MSD #: 9503838-05-MSD  
Sample Conc.: N.D.  
Prepared Date: 03/17/95  
Analyzed Date: 03/17/95  
Instrument I.D.#: FTIR1  
Conc. Spiked: 230 mg/Kg

Result: 230  
MS % Recovery: 100

Dup. Result: 240  
MSD % Recov.: 104

RPD: 4.3  
RPD Limit: 0-30

LCS #:

Prepared Date:  
Analyzed Date:  
Instrument I.D.#:  
Conc. Spiked:

LCS Result:  
LCS % Recov.:

MS/MSD  
LCS  
Control Limits

60-120

SEQUOIA ANALYTICAL

Eileen A. Manning  
Project Manager

Please Note:

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

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

9503838.ERL <1>



**Sequoia  
Analytical**

|                                                                          |                                                                          |                                                    |                                                                |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|
| 680 Chesapeake Drive<br>404 N. Wiget Lane<br>819 Striker Avenue, Suite 8 | Redwood City, CA 94063<br>Walnut Creek, CA 94598<br>Sacramento, CA 95834 | (415) 364-9600<br>(510) 988-9600<br>(916) 921-9600 | FAX (415) 364-9233<br>FAX (510) 988-9673<br>FAX (916) 921-0100 |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|

Erier & Kalinowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
Matrix: SOLID  
Sample Descript: S7A/B COMP  
Work Order #: 9503838 01-06

Reported: Mar 23, 1995

## QUALITY CONTROL DATA REPORT

| Analyte:       | Beryllium       | Cadmium         | Chromium        | Nickel          |
|----------------|-----------------|-----------------|-----------------|-----------------|
| QC Batch#:     | ME0315956010MDD | ME0315956010MDD | ME0315956010MDD | ME0315956010MDD |
| Analy. Method: | EPA 6010        | EPA 6010        | EPA 6010        | EPA 6010        |
| Prep. Method:  | EPA 3050        | EPA 3050        | EPA 3050        | EPA 3050        |

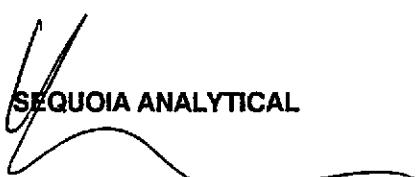
|                    |                |                |                |                |
|--------------------|----------------|----------------|----------------|----------------|
| Analyst:           | C.Medefesser   | C.Medefesser   | C.Medefesser   | C.Medefesser   |
| MS/MSD #:          | 9503838-02-MSD | 9503838-02-MSD | 9503838-02-MSD | 9503838-02-MSD |
| Sample Conc.:      | 0.53           | N.D.           | 28             | 30             |
| Prepared Date:     | 3/15/95        | 3/15/95        | 3/15/95        | 3/15/95        |
| Analyzed Date:     | 3/16/95        | 3/16/95        | 3/16/95        | 3/16/95        |
| Instrument I.D. #: | MTJA2          | MTJA2          | MTJA2          | MTJA2          |
| Conc. Spiked:      | 100 mg/Kg      | 100 mg/Kg      | 100 mg/Kg      | 100 mg/Kg      |
| Result:            | 97             | 96             | 120            | 130            |
| MS % Recovery:     | 96             | 96             | 92             | 100            |
| Dup. Result:       | 97             | 96             | 120            | 120            |
| MSD % Recov.:      | 96             | 96             | 92             | 90             |
| RPD:               | 0.0            | 0.0            | 0.0            | 8.0            |
| RPD Limit:         | 0-30           | 0-30           | 0-30           | 0-30           |

LCS #:

Prepared Date:  
Analyzed Date:  
Instrument I.D. #:  
Conc. Spiked:

LCS Result:  
LCS % Recov.:

|                       |        |        |        |        |
|-----------------------|--------|--------|--------|--------|
| MS/MSD                | 75-125 | 75-125 | 75-125 | 75-125 |
| LCS<br>Control Limits |        |        |        |        |

  
**SEQUOIA ANALYTICAL**

Eileen A. Manning  
Project Manager

Please Note:

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

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

9503838.ERL <2>



**Sequoia  
Analytical**

|                                                                          |                                                                          |                                                    |                                                                |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|
| 680 Chesapeake Drive<br>404 N. Wiget Lane<br>819 Striker Avenue, Suite 8 | Redwood City, CA 94063<br>Walnut Creek, CA 94598<br>Sacramento, CA 95834 | (415) 364-9600<br>(510) 988-9600<br>(916) 921-9600 | FAX (415) 364-9233<br>FAX (510) 988-9673<br>FAX (916) 921-0100 |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|

Erler & Kalinowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
Matrix: SOLID  
Sample Descript: MW5-6  
Work Order #: 9503838 01-06

Reported: Mar 23, 1995

### QUALITY CONTROL DATA REPORT

|                       |                     |                  |                 |
|-----------------------|---------------------|------------------|-----------------|
| <b>Analyte:</b>       | 1,1-Dichloro-ethene | Trichloro-ethene | Chloro-benzene  |
| <b>QC Batch#:</b>     | GC0313958010EXB     | GC0313958010EXB  | GC0313958010EXB |
| <b>Analy. Method:</b> | EPA 8010            | EPA 8010         | EPA 8010        |
| <b>Prep. Method:</b>  | EPA 5030            | EPA 5030         | EPA 5030        |

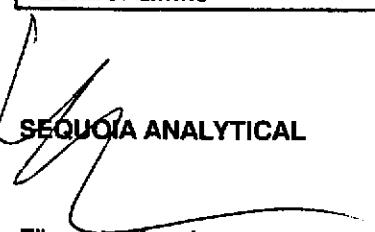
|                           |                |                |                |
|---------------------------|----------------|----------------|----------------|
| <b>Analyst:</b>           | H. Porter      | H. Porter      | H. Porter      |
| <b>MS/MSD #:</b>          | 9502838-01-MSD | 9502838-01-MSD | 9502838-01-MSD |
| <b>Sample Conc.:</b>      | N.D.           | N.D.           | N.D.           |
| <b>Prepared Date:</b>     | 03/13/95       | 03/13/95       | 03/13/95       |
| <b>Analyzed Date:</b>     | 03/14/95       | 03/14/95       | 03/14/95       |
| <b>Instrument I.D. #:</b> | GCHP16         | GCHP16         | GCHP16         |
| <b>Conc. Spiked:</b>      | 25 µg/Kg       | 25 µg/Kg       | 25 µg/Kg       |
| <br><b>Result:</b>        | 30             | 20             | 17             |
| <b>MS % Recovery:</b>     | 120            | 80             | 68             |
| <br><b>Dup. Result:</b>   | 23             | 20             | 17             |
| <b>MSD % Recov.:</b>      | 92             | 80             | 68             |
| <br><b>RPD:</b>           | 26             | 0.0            | 0.0            |
| <b>RPD Limit:</b>         | 0-50           | 0-50           | 0-50           |

LCS #:

**Prepared Date:**  
**Analyzed Date:**  
**Instrument I.D. #:**  
**Conc. Spiked:**

**LCS Result:**  
**LCS % Recov.:**

|                       |        |        |        |
|-----------------------|--------|--------|--------|
| <b>MS/MSD</b>         |        |        |        |
| <b>LCS</b>            | 28-167 | 35-146 | 38-150 |
| <b>Control Limits</b> |        |        |        |

  
**SEQUOIA ANALYTICAL**

Eileen A. Manning  
Project Manager

**Please Note:**

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

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

9503838.ERL <3>



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
Matrix: SOLID  
Sample Descript: MW4-8  
Work Order #: 9503838 01-06

Reported: Mar 23, 1995

## QUALITY CONTROL DATA REPORT

| Analyte:       | Naphthalene     | Acenaphthene    | Pyrene          |
|----------------|-----------------|-----------------|-----------------|
| QC Batch#:     | GC0315958100EXB | GC0315958100EXB | GC0315958100EXB |
| Analy. Method: | EPA 8100        | EPA 8100        | EPA 8100        |
| Prep. Method:  | EPA 3550        | EPA 3550        | EPA 3550        |

|                    |                |                |                |
|--------------------|----------------|----------------|----------------|
| Analyst:           | L. Haar        | L. Haar        | L. Haar        |
| MS/MSD #:          | 9503685-01-MSD | 9503685-01-MSD | 9503685-01-MSD |
| Sample Conc.:      | N.D.           | N.D.           | N.D.           |
| Prepared Date:     | 03/15/95       | 03/15/95       | 03/15/95       |
| Analyzed Date:     | 03/16/95       | 03/16/95       | 03/16/95       |
| Instrument I.D. #: | GCHP11         | GCHP11         | GCHP11         |
| Conc. Spiked:      | 50 mg/L        | 50 mg/L        | 50 mg/L        |
| <br>               |                |                |                |
| Result:            | 45             | 47             | 49             |
| MS % Recovery:     | 90             | 94             | 98             |
| <br>               |                |                |                |
| Dup. Result:       | 45             | 47             | 49             |
| MSD % Recov.:      | 90             | 94             | 98             |
| <br>               |                |                |                |
| RPD:               | 0.0            | 0.0            | 0.0            |
| RPD Limit:         | 0-50           | 0-50           | 0-50           |

LCS #:

Prepared Date:  
Analyzed Date:  
Instrument I.D. #:  
Conc. Spiked:

LCS Result:  
LCS % Recov.:

|                       |        |        |        |
|-----------------------|--------|--------|--------|
| MS/MSD                | DL-124 | DL-124 | DL-140 |
| LCS<br>Control Limits |        |        |        |

**SEQUOIA ANALYTICAL**

Eileen A. Manning  
Project Manager

Please Note:

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

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

9503838.ERL <4>



Sequoia  
Analytical

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
Matrix: SOLID  
Sample Descript: MW4-8  
Work Order #: 9503838 01-06

Reported: Mar 23, 1995

## QUALITY CONTROL DATA REPORT

Analyte: PCB 1260

QC Batch#: GC0314950PCBEXB  
Analy. Method: EPA 8080  
Prep. Method: EPA 3550

Analyst: L Haar  
MS/MSD #: 9503685-01-MSD  
Sample Conc.: N.D.  
Prepared Date: 03/14/95  
Analyzed Date: 03/16/95  
Instrument I.D.#: GCPE5  
Conc. Spiked: 83 µg/Kg

Result: 70  
MS % Recovery: 84

Dup. Result: 63  
MSD % Recov.: 76

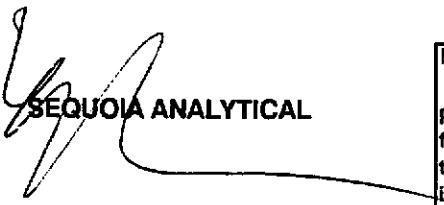
RPD: 11.0  
RPD Limit: 0-50

LCS #:

Prepared Date:  
Analyzed Date:  
Instrument I.D.#:  
Conc. Spiked:

LCS Result:  
LCS % Recov.:

MS/MSD  
LCS  
Control Limits  
30-150

  
SEQUOIA ANALYTICAL

Eileen A. Manning  
Project Manager

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

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

9503838.ERL <5>

## CHAIN OF CUSTODY / SAMPLE ANALYSIS REQUEST

Erler &amp; Kalinowski, Inc.

Project Number: 940018.00

Project Name: Sybase

Source of Samples: Soil borings

Location: 64 + 65<sup>th</sup> Street Properties, Emeryville

9503838

Analytical Laboratory: Sequoia Analytical

Date Sampled: March 7 1995

Sampled By: Gail L. Clark

Report Results To: Paul Haffey

Phone Number: 415) 578-1172

| Lab Sample I.D. | Field Sample I.D. | Field Sample Type | Number and Type of Containers | Time Collected | Analyses Requested (EPA Method Number)                   | Results Required By (Date/Time) |
|-----------------|-------------------|-------------------|-------------------------------|----------------|----------------------------------------------------------|---------------------------------|
| 1 A *           | MW5-6             | soil              | 1-brass liner                 | 9:00           | 5520, 8080, 8010, 8100, ICP METALS<br>→ SEE NOTE ←       | Standard                        |
| 2 A-B           | S7A               | soil              | 1-brass liner                 | 9:55           | 5520, 8080, 8010, 8100, ICP Metals<br>→ COMPOSITE IN LAB | turn-around                     |
| 3 A-B           | S7B               | soil              | 1-brass liner                 | 10:15          | 5520, 8080, 8010, 8100, ICP Metals<br>→ COMPOSITE IN LAB | time                            |
| 3 A-B           | S8B               | soil              | 1-brass liner                 | 10:40          | 5520, 8080, 8010, 8100, ICP Metals<br>→ COMPOSITE IN LAB |                                 |
| 4 A-B           | S8A               | soil              | 1-brass liner                 | 11:00          | 5520, 8080, 8010, 8100, ICP Metals<br>→ COMPOSITE IN LAB |                                 |
| 4 A-B           | S5B               | soil              | 1-brass liner                 | 11:20          | 5520, 8080, 8010, 8100, ICP Metals<br>→ COMPOSITE IN LAB |                                 |
| 5 A             | S5A               | soil              | 1-brass liner                 | 12:15          | 5520, 8080, 8010, 8100, ICP Metals<br>→ COMPOSITE IN LAB |                                 |
| 5 A             | MW3-4             | soil              | 1-brass liner                 | 1:05           | 5520, 8080, 8010, 8100, ICP Metals                       |                                 |
|                 |                   |                   |                               |                |                                                          |                                 |
|                 |                   |                   |                               |                |                                                          |                                 |

Special Instructions: → NOTE: All samples analyzed for TRPH (5520 Cf. mod.), PCBs (8080), VOCs (8010), PNAS (8100), and ICP Metals (Arsenic, Lead, "chromium")

\*strong petroleum odor/sheen!

Relinquished By:

Name / Signature / Affiliation

Gail Clark / Gail L. Clark

Received By:

Name / Signature / Affiliation

SHEINNE LEE / R. Manull / Sequoia

|        |       |
|--------|-------|
| Date   | Time  |
| 3-7-95 | 16:50 |
| 3-7-95 | 16:50 |



**Sequoia  
Analytical**

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

**COPY**

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Client Proj. ID: 940018.00, Sybase  
Lab Proj. ID: 9503685

Sampled: 03/06/95  
Received: 03/06/95  
Analyzed: see below

Attention: Paul Hoffey

Reported: 03/20/95

### LABORATORY ANALYSIS

| Analyte          | Units          | Date Analyzed | Detection Limit | Sample Results |
|------------------|----------------|---------------|-----------------|----------------|
| <hr/>            |                |               |                 |                |
| Lab No:          | 9503685-01     |               |                 |                |
| Sample Desc :    | SOLID,MW4-8    |               |                 |                |
| Arsenic          | mg/Kg          | 03/15/95      | 5.0             | N.D.           |
| Chromium         | mg/Kg          | 03/15/95      | 0.50            | 36             |
| Lead             | mg/Kg          | 03/15/95      | 5.0             | 8.1            |
| TRPH (EPA 418.1) | mg/Kg          | 03/14/95      | 15              | N.D.           |
| Lab No:          | 9503685-02     |               |                 |                |
| Sample Desc :    | SOLID,S6-(A,B) |               |                 |                |
| Arsenic          | mg/Kg          | 03/15/95      | 5.0             | N.D.           |
| Chromium         | mg/Kg          | 03/15/95      | 0.50            | 27             |
| Lead             | mg/Kg          | 03/15/95      | 5.0             | N.D.           |
| TRPH (EPA 418.1) | mg/Kg          | 03/14/95      | 15              | N.D.           |
| Lab No:          | 9503685-03     |               |                 |                |
| Sample Desc :    | SOLID,MW1-9.5  |               |                 |                |
| Arsenic          | mg/Kg          | 03/15/95      | 5.0             | N.D.           |
| Chromium         | mg/Kg          | 03/15/95      | 0.50            | 26             |
| Lead             | mg/Kg          | 03/15/95      | 5.0             | N.D.           |
| TRPH (EPA 418.1) | mg/Kg          | 03/14/95      | 15              | 16             |
| Lab No:          | 9503685-04     |               |                 |                |
| Sample Desc :    | SOLID,MW6-2    |               |                 |                |
| Arsenic          | mg/Kg          | 03/15/95      | 5.0             | N.D.           |
| Chromium         | mg/Kg          | 03/15/95      | 0.50            | 36             |
| Lead             | mg/Kg          | 03/15/95      | 5.0             | 42             |
| TRPH (EPA 418.1) | mg/Kg          | 03/14/95      | 300             | 3100           |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager



Sequoia  
Analytical

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Client Proj. ID: 940018.00, Sybase  
Lab Proj. ID: 9503685

Sampled: 03/06/95  
Received: 03/06/95  
Analyzed: see below

Attention: Paul Hoffey

Reported: 03/20/95

### LABORATORY ANALYSIS

| Analyte                  | Units | Date Analyzed | Detection Limit | Sample Results |
|--------------------------|-------|---------------|-----------------|----------------|
| Lab No: 9503685-05       |       |               |                 |                |
| Sample Desc : SOLID,S-10 |       |               |                 |                |
| Arsenic                  | mg/Kg | 03/15/95      | 5.0             | N.D.           |
| Chromium                 | mg/Kg | 03/15/95      | 0.50            | 35             |
| Lead                     | mg/Kg | 03/15/95      | 5.0             | 5.9            |
| TRPH (EPA 418.1)         | mg/Kg | 03/14/95      | 15              | N.D.           |
| Lab No: 9503685-06       |       |               |                 |                |
| Sample Desc : SOLID,S-9  |       |               |                 |                |
| Arsenic                  | mg/Kg | 03/15/95      | 5.0             | N.D.           |
| Chromium                 | mg/Kg | 03/15/95      | 0.50            | 18             |
| Lead                     | mg/Kg | 03/15/95      | 5.0             | 5.6            |
| TRPH (EPA 418.1)         | mg/Kg | 03/14/95      | 15              | N.D.           |

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

SEQUOIA ANALYTICAL - ELAP #1210

Eileen Manning  
Project Manager

Page:

2



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Client Proj. ID: 940018.00, Sybase  
Lab Proj. ID: 9503685

Sampled:  
Received: 03/06/95  
Analyzed: see below

Attention: Paul Hoffey

Reported: 03/20/95

### LABORATORY ANALYSIS

| Analyte          | Units         | Date Analyzed | Detection Limit | Sample Results |
|------------------|---------------|---------------|-----------------|----------------|
| Lab No:          | 9503685-07    |               |                 |                |
| Sample Desc :    | ,Method Blank |               |                 |                |
| Arsenic          | mg/L          | 03/15/95      | 0.10            | N.D.           |
| Chromium         | mg/L          | 03/15/95      | 0.010           | N.D.           |
| Lead             | mg/L          | 03/15/95      | 0.10            | N.D.           |
| TRPH (EPA 418.1) | mg/Kg         | 03/14/95      | 15              | N.D.           |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page: 3



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW4-8  
Matrix: SOLID  
Analysis Method: EPA 8010  
Lab Number: 9503685-01

Sampled: 03/06/95  
Received: 03/06/95  
Extracted: 03/13/95  
Analyzed: 03/14/95  
Reported: 03/20/95

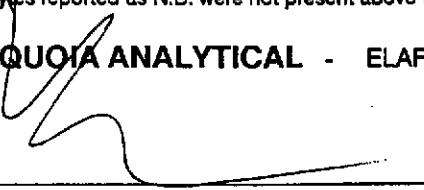
QC Batch Number: GC0313958010EXA  
Instrument ID: GCHP8

### Halogenated Volatile Organics (EPA 8010)

| Analyte                   | Detection Limit<br>ug/Kg        | Sample Results<br>ug/Kg |
|---------------------------|---------------------------------|-------------------------|
| Bromodichloromethane      | 5.0                             | N.D.                    |
| Bromoform                 | 5.0                             | N.D.                    |
| Bromomethane              | 10                              | N.D.                    |
| Carbon Tetrachloride      | 5.0                             | N.D.                    |
| Chlorobenzene             | 5.0                             | N.D.                    |
| Chloroethane              | 10                              | N.D.                    |
| 2-Chloroethylvinyl ether  | 10                              | N.D.                    |
| Chloroform                | 5.0                             | N.D.                    |
| Chloromethane             | 10                              | N.D.                    |
| Dibromochloromethane      | 5.0                             | N.D.                    |
| 1,2-Dichlorobenzene       | 5.0                             | N.D.                    |
| 1,3-Dichlorobenzene       | 5.0                             | N.D.                    |
| 1,4-Dichlorobenzene       | 5.0                             | N.D.                    |
| 1,1-Dichloroethane        | 5.0                             | N.D.                    |
| 1,2-Dichloroethane        | 5.0                             | N.D.                    |
| 1,1-Dichloroethene        | 5.0                             | N.D.                    |
| cis-1,2-Dichloroethene    | 5.0                             | N.D.                    |
| trans-1,2-Dichloroethene  | 5.0                             | N.D.                    |
| 1,2-Dichloropropane       | 5.0                             | N.D.                    |
| cis-1,3-Dichloropropene   | 5.0                             | N.D.                    |
| trans-1,3-Dichloropropene | 5.0                             | N.D.                    |
| Methylene chloride        | 50                              | N.D.                    |
| 1,1,2,2-Tetrachloroethane | 5.0                             | N.D.                    |
| Tetrachloroethene         | 5.0                             | N.D.                    |
| 1,1,1-Trichloroethane     | 5.0                             | N.D.                    |
| 1,1,2-Trichloroethane     | 5.0                             | N.D.                    |
| Trichloroethene           | 5.0                             | N.D.                    |
| Trichlorofluoromethane    | 5.0                             | N.D.                    |
| Vinyl chloride            | 10                              | N.D.                    |
|                           |                                 |                         |
| <b>Surrogates</b>         |                                 |                         |
| 1-Chloro-2-fluorobenzene  | Control Limits %<br>60      130 | % Recovery<br>65        |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

  
Eileen Manning  
Project Manager



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW4-8  
Matrix: SOLID  
Analysis Method: EPA 8100  
Lab Number: 9503685-01

Sampled: 03/06/95  
Received: 03/06/95  
Extracted: 03/15/95  
Analyzed: 03/16/95  
Reported: 03/20/95

QC Batch Number: GC0315958100EXA  
Instrument ID: GCHP11

### Polynuclear Aromatic Hydrocarbons (EPA 8100)

| Analyte                | Detection Limit<br>ug/Kg        | Sample Results<br>ug/Kg |
|------------------------|---------------------------------|-------------------------|
| Acenaphthene           | 250                             | N.D.                    |
| Acenaphthylene         | 250                             | N.D.                    |
| Anthracene             | 250                             | N.D.                    |
| Benzo(a)anthracene     | 250                             | N.D.                    |
| Benzo(a)pyrene         | 250                             | N.D.                    |
| Benzo(b)fluoranthene   | 250                             | N.D.                    |
| Benzo(g,h,i)perylene   | 250                             | N.D.                    |
| Benzo(k)fluoranthene   | 250                             | N.D.                    |
| Chrysene               | 250                             | N.D.                    |
| Dibenz(a,h)anthracene  | 250                             | N.D.                    |
| Fluoranthene           | 250                             | N.D.                    |
| Fluorene               | 250                             | N.D.                    |
| Indeno(1,2,3-cd)pyrene | 250                             | N.D.                    |
| Naphthalene            | 250                             | N.D.                    |
| Phenanthrene           | 250                             | N.D.                    |
| Pyrene                 | 250                             | N.D.                    |
| Surrogates             |                                 |                         |
| 2-Fluorobiphenyl       | Control Limits %<br>50      150 | % Recovery<br>52        |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page: 5



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

QC Batch Number: GC0314950PCBEXB  
Instrument ID: GCPE5

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW4-8  
Matrix: SOLID  
Analysis Method: EPA 8080  
Lab Number: 9503685-01

Sampled: 03/06/95  
Received: 03/06/95  
Extracted: 03/14/95  
Analyzed: 03/15/95  
Reported: 03/20/95

### Polychlorinated Biphenyls (EPA 8080)

| Analyte               | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|-----------------------|--------------------------|-------------------------|
| PCB-1016              | 20                       | N.D.                    |
| PCB-1221              | 80                       | N.D.                    |
| PCB-1232              | 20                       | N.D.                    |
| PCB-1242              | 20                       | N.D.                    |
| PCB-1248              | 20                       | N.D.                    |
| PCB-1254              | 20                       | N.D.                    |
| PCB-1260              | 20                       | N.D.                    |
| Surrogates            |                          | Control Limits %        |
| Dibutylchlorobiphenyl |                          | 30                  150 |
|                       |                          | % Recovery              |
|                       |                          | 65                      |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager



Sequoia  
Analytical

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S6-(A,B)  
Matrix: SOLID  
Analysis Method: EPA 8010  
Lab Number: 9503685-02

Sampled: 03/06/95  
Received: 03/06/95  
Extracted: 03/13/95  
Analyzed: 03/14/95  
Reported: 03/20/95

QC Batch Number: GC0313958010EXA  
Instrument ID: GCHP8

### Halogenated Volatile Organics (EPA 8010)

| Analyte                   | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|---------------------------|--------------------------|-------------------------|
| Bromodichloromethane      | 5.0                      | N.D.                    |
| Bromoform                 | 5.0                      | N.D.                    |
| Bromomethane              | 10                       | N.D.                    |
| Carbon Tetrachloride      | 5.0                      | N.D.                    |
| Chlorobenzene             | 5.0                      | N.D.                    |
| Chloroethane              | 10                       | N.D.                    |
| 2-Chloroethylvinyl ether  | 10                       | N.D.                    |
| Chloroform                | 5.0                      | N.D.                    |
| Chloromethane             | 10                       | N.D.                    |
| Dibromochloromethane      | 5.0                      | N.D.                    |
| 1,2-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,3-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,4-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,1-Dichloroethane        | 5.0                      | N.D.                    |
| 1,2-Dichloroethane        | 5.0                      | N.D.                    |
| 1,1-Dichloroethene        | 5.0                      | N.D.                    |
| cis-1,2-Dichloroethene    | 5.0                      | N.D.                    |
| trans-1,2-Dichloroethene  | 5.0                      | N.D.                    |
| 1,2-Dichloropropane       | 5.0                      | N.D.                    |
| cis-1,3-Dichloropropene   | 5.0                      | N.D.                    |
| trans-1,3-Dichloropropene | 5.0                      | N.D.                    |
| Methylene chloride        | 50                       | N.D.                    |
| 1,1,2,2-Tetrachloroethane | 5.0                      | N.D.                    |
| Tetrachloroethene         | 5.0                      | N.D.                    |
| 1,1,1-Trichloroethane     | 5.0                      | N.D.                    |
| 1,1,2-Trichloroethane     | 5.0                      | N.D.                    |
| Trichloroethene           | 5.0                      | N.D.                    |
| Trichlorofluoromethane    | 5.0                      | N.D.                    |
| Vinyl chloride            | 10                       | N.D.                    |

| Surrogates               | Control Limits % | % Recovery |
|--------------------------|------------------|------------|
| 1-Chloro-2-fluorobenzene | 60 130           | 83         |

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

SEQUOIA ANALYTICAL - ELAP #1210

Eileen Manning  
Project Manager

Page: 7



**Sequoia  
Analytical**

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

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

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

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

Erier & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S6-(A,B)  
Matrix: SOLID  
Analysis Method: EPA 8080  
Lab Number: 9503685-02

Sampled: 03/06/95  
Received: 03/06/95  
Extracted: 03/14/95  
Analyzed: 03/16/95  
Reported: 03/20/95

QC Batch Number: GC0314950PCBEXB  
Instrument ID: GCPE5

### **Polychlorinated Biphenyls (EPA 8080)**

| Analyte  | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|----------|--------------------------|-------------------------|
| PCB-1016 | 20                       | N.D.                    |
| PCB-1221 | 80                       | N.D.                    |
| PCB-1232 | 20                       | N.D.                    |
| PCB-1242 | 20                       | N.D.                    |
| PCB-1248 | 20                       | N.D.                    |
| PCB-1254 | 20                       | N.D.                    |
| PCB-1260 | 20                       | N.D.                    |

| Surrogates          | Control Limits % | % Recovery |
|---------------------|------------------|------------|
| Dibutylchloroendate | 30 150           | 70         |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page: 9



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S6-(A,B)  
Matrix: SOLID  
Analysis Method: EPA 8100  
Lab Number: 9503685-02

Sampled: 03/06/95  
Received: 03/06/95  
Extracted: 03/15/95  
Analyzed: 03/16/95  
Reported: 03/20/95

QC Batch Number: GC0315958100EXA  
Instrument ID: GCHP11

### Polynuclear Aromatic Hydrocarbons (EPA 8100)

| Analyte                | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|------------------------|--------------------------|-------------------------|
| Acenaphthene           | 250                      | N.D.                    |
| Acenaphthylene         | 250                      | N.D.                    |
| Anthracene             | 250                      | N.D.                    |
| Benzo(a)anthracene     | 250                      | N.D.                    |
| Benzo(a)pyrene         | 250                      | N.D.                    |
| Benzo(b)fluoranthene   | 250                      | N.D.                    |
| Benzo(g,h,i)perylene   | 250                      | N.D.                    |
| Benzo(k)fluoranthene   | 250                      | N.D.                    |
| Chrysene               | 250                      | N.D.                    |
| Dibenzo(a,h)anthracene | 250                      | N.D.                    |
| Fluoranthene           | 250                      | N.D.                    |
| Fluorene               | 250                      | N.D.                    |
| Indeno(1,2,3-cd)pyrene | 250                      | N.D.                    |
| Naphthalene            | 250                      | N.D.                    |
| Phenanthrene           | 250                      | N.D.                    |
| Pyrene                 | 250                      | N.D.                    |

| Surrogates       | Control Limits % | % Recovery |
|------------------|------------------|------------|
| 2-Fluorobiphenyl | 50      150      | 117        |

*[Signature]*  
Analytes reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page: 8



Sequoia  
Analytical

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

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

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

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

Erter & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW1-9.5  
Matrix: SOLID  
Analysis Method: EPA 8010  
Lab Number: 9503685-03

Sampled: 03/06/95  
Received: 03/06/95  
Extracted: 03/13/95  
Analyzed: 03/15/95  
Reported: 03/20/95

QC Batch Number: GC0313958010EXA  
Instrument ID: GCHP8

### Halogenated Volatile Organics (EPA 8010)

| Analyte                   | Detection Limit<br>ug/Kg        | Sample Results<br>ug/Kg |
|---------------------------|---------------------------------|-------------------------|
| Bromodichloromethane      | 5.0                             | N.D.                    |
| Bromoform                 | 5.0                             | N.D.                    |
| Bromomethane              | 10                              | N.D.                    |
| Carbon Tetrachloride      | 5.0                             | N.D.                    |
| Chlorobenzene             | 5.0                             | N.D.                    |
| Chloroethane              | 10                              | N.D.                    |
| 2-Chloroethylvinyl ether  | 10                              | N.D.                    |
| Chloroform                | 5.0                             | N.D.                    |
| Chloromethane             | 10                              | N.D.                    |
| Dibromochloromethane      | 5.0                             | N.D.                    |
| 1,2-Dichlorobenzene       | 5.0                             | N.D.                    |
| 1,3-Dichlorobenzene       | 5.0                             | N.D.                    |
| 1,4-Dichlorobenzene       | 5.0                             | N.D.                    |
| 1,1-Dichloroethane        | 5.0                             | N.D.                    |
| 1,2-Dichloroethane        | 5.0                             | N.D.                    |
| 1,1-Dichloroethene        | 5.0                             | N.D.                    |
| cis-1,2-Dichloroethene    | 5.0                             | N.D.                    |
| trans-1,2-Dichloroethene  | 5.0                             | N.D.                    |
| 1,2-Dichloropropane       | 5.0                             | N.D.                    |
| cis-1,3-Dichloropropene   | 5.0                             | N.D.                    |
| trans-1,3-Dichloropropene | 5.0                             | N.D.                    |
| Methylene chloride        | 50                              | N.D.                    |
| 1,1,2,2-Tetrachloroethane | 5.0                             | N.D.                    |
| Tetrachloroethene         | 5.0                             | N.D.                    |
| 1,1,1-Trichloroethane     | 5.0                             | N.D.                    |
| 1,1,2-Trichloroethane     | 5.0                             | N.D.                    |
| Trichloroethene           | 5.0                             | N.D.                    |
| Trichlorofluoromethane    | 5.0                             | N.D.                    |
| Vinyl chloride            | 10                              | N.D.                    |
| Surrogates                |                                 |                         |
| 1-Chloro-2-fluorobenzene  | Control Limits %<br>60      130 | % Recovery<br>84        |

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

SEQUOIA ANALYTICAL - ELAP #1210

Eileen Manning  
Project Manager



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW1-9.5  
Matrix: SOLID  
Analysis Method: EPA 8100  
Lab Number: 9503685-03

Sampled: 03/06/95  
Received: 03/06/95  
Extracted: 03/15/95  
Analyzed: 03/16/95  
Reported: 03/20/95

QC Batch Number: GC0315958100EXA  
Instrument ID: GCHP11

### Polynuclear Aromatic Hydrocarbons (EPA 8100)

| Analyte                | Detection Limit<br>ug/Kg        | Sample Results<br>ug/Kg |
|------------------------|---------------------------------|-------------------------|
| Acenaphthene           | 250                             | N.D.                    |
| Acenaphthylene         | 250                             | N.D.                    |
| Anthracene             | 250                             | N.D.                    |
| Benzo(a)anthracene     | 250                             | N.D.                    |
| Benzo(a)pyrene         | 250                             | N.D.                    |
| Benzo(b)fluoranthene   | 250                             | N.D.                    |
| Benzo(g,h,i)perylene   | 250                             | N.D.                    |
| Benzo(k)fluoranthene   | 250                             | N.D.                    |
| Chrysene               | 250                             | N.D.                    |
| Dibenzo(a,h)anthracene | 250                             | N.D.                    |
| Fluoranthene           | 250                             | N.D.                    |
| Fluorene               | 250                             | N.D.                    |
| Indeno(1,2,3-cd)pyrene | 250                             | N.D.                    |
| Naphthalene            | 250                             | N.D.                    |
| Phenanthrene           | 250                             | N.D.                    |
| Pyrene                 | 250                             | N.D.                    |
|                        |                                 |                         |
| <b>Surrogates</b>      |                                 |                         |
| 2-Fluorobiphenyl       | Control Limits %<br>50      150 | % Recovery<br>78        |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

11



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW1-9.5  
Matrix: SOLID  
Analysis Method: EPA 8080  
Lab Number: 9503685-03

Sampled: 03/06/95  
Received: 03/06/95  
Extracted: 03/14/95  
Analyzed: 03/16/95  
Reported: 03/20/95

QC Batch Number: GC0314950PCBEXB  
Instrument ID: GCPES

### Polychlorinated Biphenyls (EPA 8080)

| Analyte             | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|---------------------|--------------------------|-------------------------|
| PCB-1016            | 20                       | N.D.                    |
| PCB-1221            | 80                       | N.D.                    |
| PCB-1232            | 20                       | N.D.                    |
| PCB-1242            | 20                       | N.D.                    |
| PCB-1248            | 20                       | N.D.                    |
| PCB-1254            | 20                       | N.D.                    |
| PCB-1260            | 20                       | N.D.                    |
| Surrogates          |                          | Control Limits %        |
| Dibutylchloroendate |                          | 30 150                  |
|                     |                          | % Recovery              |
|                     |                          | 69                      |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager



Sequoia  
Analytical

**680 Chesapeake Drive** Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
**404 N. Wiget Lane** Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
**819 Striker Avenue, Suite 8** Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

**Erler & Kalinowski, Inc.**  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

## **Attention: Paul Hoffey**

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW6-2  
Matrix: SOLID  
Analysis Method: EPA 8010  
Lab Number: 9503685-04

Sampled: 03/06/95  
Received: 03/06/95  
Extracted: 03/13/95  
Analyzed: 03/15/95  
Reported: 03/20/95

QC Batch Number: GC0313958010EXA  
Instrument ID: GCHP8

## **Halogenated Volatile Organics (EPA 8010)**

| Analyte                   | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|---------------------------|--------------------------|-------------------------|
| Bromodichloromethane      | 20                       | N.D.                    |
| Bromoform                 | 20                       | N.D.                    |
| Bromomethane              | 40                       | N.D.                    |
| Carbon Tetrachloride      | 20                       | N.D.                    |
| Chlorobenzene             | 20                       | N.D.                    |
| Chloroethane              | 40                       | N.D.                    |
| 2-Chloroethylvinyl ether  | 40                       | N.D.                    |
| Chloroform                | 20                       | N.D.                    |
| Chloromethane             | 40                       | N.D.                    |
| Dibromochloromethane      | 20                       | N.D.                    |
| 1,2-Dichlorobenzene       | 20                       | N.D.                    |
| 1,3-Dichlorobenzene       | 20                       | N.D.                    |
| 1,4-Dichlorobenzene       | 20                       | N.D.                    |
| 1,1-Dichloroethane        | 20                       | N.D.                    |
| 1,2-Dichloroethane        | 20                       | N.D.                    |
| 1,1-Dichloroethene        | 20                       | N.D.                    |
| cis-1,2-Dichloroethene    | 20                       | N.D.                    |
| trans-1,2-Dichloroethene  | 20                       | N.D.                    |
| 1,2-Dichloropropane       | 20                       | N.D.                    |
| cis-1,3-Dichloropropene   | 20                       | N.D.                    |
| trans-1,3-Dichloropropene | 20                       | N.D.                    |
| Methylene chloride        | 200                      | N.D.                    |
| 1,1,2,2-Tetrachloroethane | 20                       | N.D.                    |
| Tetrachloroethene         | 20                       | N.D.                    |
| 1,1,1-Trichloroethane     | 20                       | N.D.                    |
| 1,1,2-Trichloroethane     | 20                       | N.D.                    |
| Trichloroethene           | 20                       | N.D.                    |
| Trichlorofluoromethane    | 20                       | N.D.                    |
| Vinyl chloride            | 40                       | N.D.                    |

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

SEQUOIA ANALYTICAL - ELAP #1210

Eileen Manning  
Project Manager

Page:

13



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW6-2  
Matrix: SOLID  
Analysis Method: EPA 8100  
Lab Number: 9503685-04

Sampled: 03/06/95  
Received: 03/06/95  
Extracted: 03/15/95  
Analyzed: 03/16/95  
Reported: 03/20/95

QC Batch Number: GC0315958100EXA  
Instrument ID: GCHP11

### Polynuclear Aromatic Hydrocarbons (EPA 8100)

| Analyte                | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|------------------------|--------------------------|-------------------------|
| Acenaphthene           | 5000                     | N.D.                    |
| Acenaphthylene         | 5000                     | N.D.                    |
| Anthracene             | 5000                     | N.D.                    |
| Benzo(a)anthracene     | 5000                     | N.D.                    |
| Benzo(a)pyrene         | 5000                     | N.D.                    |
| Benzo(b)fluoranthene   | 5000                     | N.D.                    |
| Benzo(g,h,i)perylene   | 5000                     | N.D.                    |
| Benzo(k)fluoranthene   | 5000                     | N.D.                    |
| Chrysene               | 5000                     | N.D.                    |
| Dibenz(a,h)anthracene  | 5000                     | N.D.                    |
| Fluoranthene           | 5000                     | N.D.                    |
| Fluorene               | 5000                     | N.D.                    |
| Indeno(1,2,3-cd)pyrene | 5000                     | N.D.                    |
| Naphthalene            | 5000                     | N.D.                    |
| Phenanthrene           | 5000                     | N.D.                    |
| Pyrene                 | 5000                     | N.D.                    |
| Surrogates             |                          | Control Limits %        |
| 2-Fluorobiphenyl       | 50                       | 150                     |
|                        |                          | % Recovery              |
|                        |                          | 55                      |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

14



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW6-2  
Matrix: SOLID  
Analysis Method: EPA 8080  
Lab Number: 9503685-04

Sampled: 03/06/95  
Received: 03/06/95  
Extracted: 03/14/95  
Analyzed: 03/16/95  
Reported: 03/20/95

QC Batch Number: GC0314950PCBEXB  
Instrument ID: GCPE5

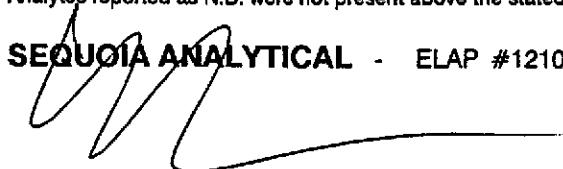
### Polychlorinated Biphenyls (EPA 8080)

| Analyte  | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|----------|--------------------------|-------------------------|
| PCB-1016 | 20                       | N.D.                    |
| PCB-1221 | 80                       | N.D.                    |
| PCB-1232 | 20                       | N.D.                    |
| PCB-1242 | 20                       | N.D.                    |
| PCB-1248 | 20                       | N.D.                    |
| PCB-1254 | 20                       | N.D.                    |
| PCB-1260 | 20                       | N.D.                    |

| Surrogates          | Control Limits % | % Recovery |
|---------------------|------------------|------------|
| Dibutylchloroendate | 30 150           | 35         |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

  
Eileen Manning  
Project Manager

Page:

15



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S-10  
Matrix: SOLID  
Analysis Method: EPA 8010  
Lab Number: 9503685-05

Sampled: 03/06/95  
Received: 03/06/95  
Extracted: 03/13/95  
Analyzed: 03/15/95  
Reported: 03/20/95

QC Batch Number: GC0313958010EXA  
Instrument ID: GCHP8

### Halogenated Volatile Organics (EPA 8010)

| Analyte                   | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|---------------------------|--------------------------|-------------------------|
| Bromodichloromethane      | 5.0                      | N.D.                    |
| Bromoform                 | 5.0                      | N.D.                    |
| Bromomethane              | 10                       | N.D.                    |
| Carbon Tetrachloride      | 5.0                      | N.D.                    |
| Chlorobenzene             | 5.0                      | N.D.                    |
| Chloroethane              | 10                       | N.D.                    |
| 2-Chloroethylvinyl ether  | 10                       | N.D.                    |
| Chloroform                | 5.0                      | N.D.                    |
| Chloromethane             | 10                       | N.D.                    |
| Dibromochloromethane      | 5.0                      | N.D.                    |
| 1,2-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,3-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,4-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,1-Dichloroethane        | 5.0                      | N.D.                    |
| 1,2-Dichloroethane        | 5.0                      | N.D.                    |
| 1,1-Dichloroethene        | 5.0                      | N.D.                    |
| cis-1,2-Dichloroethene    | 5.0                      | N.D.                    |
| trans-1,2-Dichloroethene  | 5.0                      | N.D.                    |
| 1,2-Dichloropropane       | 5.0                      | N.D.                    |
| cis-1,3-Dichloropropene   | 5.0                      | N.D.                    |
| trans-1,3-Dichloropropene | 5.0                      | N.D.                    |
| Methylene chloride        | 50                       | N.D.                    |
| 1,1,2,2-Tetrachloroethane | 5.0                      | N.D.                    |
| Tetrachloroethene         | 5.0                      | N.D.                    |
| 1,1,1-Trichloroethane     | 5.0                      | N.D.                    |
| 1,1,2-Trichloroethane     | 5.0                      | N.D.                    |
| Trichloroethene           | 5.0                      | N.D.                    |
| Trichlorofluoromethane    | 5.0                      | N.D.                    |
| Vinyl chloride            | 10                       | N.D.                    |
|                           |                          |                         |
| <b>Surrogates</b>         | <b>Control Limits %</b>  | <b>% Recovery</b>       |
| 1-Chloro-2-fluorobenzene  | 60                       | 130                     |
|                           |                          | 87                      |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

16



**Sequoia  
Analytical**

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S-10  
Matrix: SOLID  
Analysis Method: EPA 8100  
Lab Number: 9503685-05

Sampled: 03/06/95  
Received: 03/06/95  
Extracted: 03/15/95  
Analyzed: 03/16/95  
Reported: 03/20/95

QC Batch Number: GC0315958100EXA  
Instrument ID: GCHP11

### Polynuclear Aromatic Hydrocarbons (EPA 8100)

| Analyte                | Detection Limit<br>ug/Kg                      | Sample Results<br>ug/Kg |
|------------------------|-----------------------------------------------|-------------------------|
| Acenaphthene           | 250                                           | N.D.                    |
| Acenaphthylene         | 250                                           | N.D.                    |
| Anthracene             | 250                                           | N.D.                    |
| Benzo(a)anthracene     | 250                                           | N.D.                    |
| Benzo(a)pyrene         | 250                                           | N.D.                    |
| Benzo(b)fluoranthene   | 250                                           | N.D.                    |
| Benzo(g,h,i)perylene   | 250                                           | N.D.                    |
| Benzo(k)fluoranthene   | 250                                           | N.D.                    |
| Chrysene               | 250                                           | N.D.                    |
| Dibenzo(a,h)anthracene | 250                                           | N.D.                    |
| Fluoranthene           | 250                                           | N.D.                    |
| Fluorene               | 250                                           | N.D.                    |
| Indeno(1,2,3-cd)pyrene | 250                                           | N.D.                    |
| Naphthalene            | 250                                           | N.D.                    |
| Phenanthrene           | 250                                           | N.D.                    |
| Pyrene                 | 250                                           | N.D.                    |
| Surrogates             |                                               |                         |
| 2-Fluorobiphenyl       | Control Limits %<br>50                    150 | % Recovery<br>85        |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

17



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

QC Batch Number: GC0314950PCBEXB  
Instrument ID: GCPE5

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S-10  
Matrix: SOLID  
Analysis Method: EPA 8080  
Lab Number: 9503685-05

Sampled: 03/06/95  
Received: 03/06/95  
Extracted: 03/14/95  
Analyzed: 03/16/95  
Reported: 03/20/95

### **Polychlorinated Biphenyls (EPA 8080)**

| Analyte             | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|---------------------|--------------------------|-------------------------|
| PCB-1016            | 20                       | N.D.                    |
| PCB-1221            | 80                       | N.D.                    |
| PCB-1232            | 20                       | N.D.                    |
| PCB-1242            | 20                       | N.D.                    |
| PCB-1248            | 20                       | N.D.                    |
| PCB-1254            | 20                       | N.D.                    |
| PCB-1260            | 20                       | N.D.                    |
| Surrogates          |                          | Control Limits %        |
| Dibutylchloroendate |                          | 30 150                  |
|                     |                          | % Recovery              |
|                     |                          | 50                      |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager



Sequoia  
Analytical

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S-9  
Matrix: SOLID  
Analysis Method: EPA 8010  
Lab Number: 9503685-06

Sampled: 03/06/95  
Received: 03/06/95  
Extracted: 03/13/95  
Analyzed: 03/15/95  
Reported: 03/20/95

QC Batch Number: GC0313958010EXA  
Instrument ID: GCHP8

### Halogenated Volatile Organics (EPA 8010)

| Analyte                      | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|------------------------------|--------------------------|-------------------------|
| Bromodichloromethane         | 20                       | N.D.                    |
| Bromoform                    | 20                       | N.D.                    |
| Bromomethane                 | 40                       | N.D.                    |
| Carbon Tetrachloride         | 20                       | N.D.                    |
| Chlorobenzene                | 20                       | N.D.                    |
| Chloroethane                 | 40                       | N.D.                    |
| 2-Chloroethylvinyl ether     | 40                       | N.D.                    |
| Chloroform                   | 20                       | N.D.                    |
| Chloromethane                | 40                       | N.D.                    |
| Dibromochloromethane         | 20                       | N.D.                    |
| 1,2-Dichlorobenzene          | 20                       | N.D.                    |
| 1,3-Dichlorobenzene          | 20                       | N.D.                    |
| 1,4-Dichlorobenzene          | 20                       | N.D.                    |
| <b>1,1-Dichloroethane</b>    | <b>20</b>                | <b>24</b>               |
| 1,2-Dichloroethane           | 20                       | N.D.                    |
| 1,1-Dichloroethene           | 20                       | N.D.                    |
| cis-1,2-Dichloroethene       | 20                       | N.D.                    |
| trans-1,2-Dichloroethene     | 20                       | N.D.                    |
| 1,2-Dichloropropane          | 20                       | N.D.                    |
| cis-1,3-Dichloropropene      | 20                       | N.D.                    |
| trans-1,3-Dichloropropene    | 20                       | N.D.                    |
| Methylene chloride           | 200                      | N.D.                    |
| 1,1,2,2-Tetrachloroethane    | 20                       | N.D.                    |
| <b>Tetrachloroethene</b>     | <b>20</b>                | <b>810</b>              |
| <b>1,1,1-Trichloroethane</b> | <b>20</b>                | <b>970</b>              |
| 1,1,2-Trichloroethane        | 20                       | N.D.                    |
| Trichloroethene              | 20                       | N.D.                    |
| Trichlorofluoromethane       | 20                       | N.D.                    |
| Vinyl chloride               | 40                       | N.D.                    |

| Surrogates               | Control Limits % | % Recovery |
|--------------------------|------------------|------------|
| 1-Chloro-2-fluorobenzene | 60 130           | 92         |

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

SEQUOIA ANALYTICAL - ELAP #1210

Eileen Manning  
Project Manager

Page:

19



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S-9  
Matrix: SOLID  
Analysis Method: EPA 8100  
Lab Number: 9503685-06

Sampled: 03/06/95  
Received: 03/06/95  
Extracted: 03/15/95  
Analyzed: 03/16/95  
Reported: 03/20/95

QC Batch Number: GC0315958100EXA  
Instrument ID: GCHP11

### Polynuclear Aromatic Hydrocarbons (EPA 8100)

| Analyte                | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|------------------------|--------------------------|-------------------------|
| Acenaphthene           | 250                      | N.D.                    |
| Acenaphthylene         | 250                      | N.D.                    |
| Anthracene             | 250                      | N.D.                    |
| Benzo(a)anthracene     | 250                      | N.D.                    |
| Benzo(a)pyrene         | 250                      | N.D.                    |
| Benzo(b)fluoranthene   | 250                      | N.D.                    |
| Benzo(g,h,i)perylene   | 250                      | N.D.                    |
| Benzo(k)fluoranthene   | 250                      | N.D.                    |
| Chrysene               | 250                      | N.D.                    |
| Dibenz(a,h)anthracene  | 250                      | N.D.                    |
| Fluoranthene           | 250                      | N.D.                    |
| Fluorene               | 250                      | N.D.                    |
| Indeno(1,2,3-cd)pyrene | 250                      | N.D.                    |
| Naphthalene            | 250                      | N.D.                    |
| Phenanthrene           | 250                      | N.D.                    |
| Pyrene                 | 250                      | N.D.                    |
| Surrogates             |                          | Control Limits %        |
| 2-Fluorobiphenyl       | 50      150              | % Recovery<br>81        |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page: 20



**Sequoia  
Analytical**

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

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

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

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

Erfer & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S-9  
Matrix: SOLID  
Analysis Method: EPA 8080  
Lab Number: 9503685-06

Sampled: 03/06/95  
Received: 03/06/95  
Extracted: 03/14/95  
Analyzed: 03/16/95  
Reported: 03/20/95

QC Batch Number: GC0314950PCBEXB  
Instrument ID: GCPE5

### Polychlorinated Biphenyls (EPA 8080)

| Analyte             | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|---------------------|--------------------------|-------------------------|
| PCB-1016            | 20                       | N.D.                    |
| PCB-1221            | 80                       | N.D.                    |
| PCB-1232            | 20                       | N.D.                    |
| PCB-1242            | 20                       | N.D.                    |
| PCB-1248            | 20                       | N.D.                    |
| PCB-1254            | 20                       | N.D.                    |
| PCB-1260            | 20                       | N.D.                    |
| Surrogates          |                          | Control Limits %        |
| Dibutylchloroendate |                          | 30 150                  |
|                     |                          | % Recovery<br>57        |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

21



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: Method Blank  
Matrix:  
Analysis Method: EPA 8080  
Lab Number: 9503685-07

Sampled:  
Received: 03/06/95  
Extracted: 03/14/95  
Analyzed: 03/15/95  
Reported: 03/20/95

QC Batch Number: GC0314950PCBEXB  
Instrument ID: GCPE5

### Polychlorinated Biphenyls (EPA 8080)

| Analyte             | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|---------------------|--------------------------|-------------------------|
| PCB-1016            | 20                       | N.D.                    |
| PCB-1221            | 80                       | N.D.                    |
| PCB-1232            | 20                       | N.D.                    |
| PCB-1242            | 20                       | N.D.                    |
| PCB-1248            | 20                       | N.D.                    |
| PCB-1254            | 20                       | N.D.                    |
| PCB-1260            | 20                       | N.D.                    |
| Surrogates          |                          | Control Limits %        |
| Dibutylchloroendate |                          | 30 150                  |
|                     |                          | % Recovery              |
|                     |                          | 84                      |

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

*[Signature]* SEQUOIA ANALYTICAL - ELAP #1210

Eileen Manning  
Project Manager

Page: 22



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: Method Blank  
Matrix:  
Analysis Method: EPA 8100  
Lab Number: 9503685-07

Sampled:  
Received: 03/06/95  
Extracted: 03/15/95  
Analyzed: 03/16/95  
Reported: 03/20/95

QC Batch Number: GC0315958100EXA  
Instrument ID: GCHP11

### Polynuclear Aromatic Hydrocarbons (EPA 8100)

| Analyte                | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|------------------------|--------------------------|-------------------------|
| Acenaphthene           | 250                      | N.D.                    |
| Acenaphthylene         | 250                      | N.D.                    |
| Anthracene             | 250                      | N.D.                    |
| Benzo(a)anthracene     | 250                      | N.D.                    |
| Benzo(a)pyrene         | 250                      | N.D.                    |
| Benzo(b)fluoranthene   | 250                      | N.D.                    |
| Benzo(g,h,i)perylene   | 250                      | N.D.                    |
| Benzo(k)fluoranthene   | 250                      | N.D.                    |
| Chrysene               | 250                      | N.D.                    |
| Dibenzo(a,h)anthracene | 250                      | N.D.                    |
| Fluoranthene           | 250                      | N.D.                    |
| Fluorene               | 250                      | N.D.                    |
| Indeno(1,2,3-cd)pyrene | 250                      | N.D.                    |
| Naphthalene            | 250                      | N.D.                    |
| Phenanthrene           | 250                      | N.D.                    |
| Pyrene                 | 250                      | N.D.                    |

| Surrogates       | Control Limits % | % Recovery |
|------------------|------------------|------------|
| 2-Fluorobiphenyl | 50      150      | 54         |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

24



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: Method Blank  
Matrix: SOLID  
Analysis Method: EPA 8010  
Lab Number: 9503685-08

Sampled:  
Received: 03/06/95  
Analyzed: 03/15/95  
Reported: 03/20/95

QC Batch Number: GC0313958010EXA  
Instrument ID: GCHP8

### Halogenated Volatile Organics (EPA 8010)

| Analyte                   | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|---------------------------|--------------------------|-------------------------|
| Bromodichloromethane      | 5.0                      | N.D.                    |
| Bromoform                 | 5.0                      | N.D.                    |
| Bromomethane              | 10                       | N.D.                    |
| Carbon Tetrachloride      | 5.0                      | N.D.                    |
| Chlorobenzene             | 5.0                      | N.D.                    |
| Chloroethane              | 10                       | N.D.                    |
| 2-Chloroethylvinyl ether  | 10                       | N.D.                    |
| Chloroform                | 5.0                      | N.D.                    |
| Chloromethane             | 10                       | N.D.                    |
| Dibromochloromethane      | 5.0                      | N.D.                    |
| 1,2-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,3-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,4-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,1-Dichloroethane        | 5.0                      | N.D.                    |
| 1,2-Dichloroethane        | 5.0                      | N.D.                    |
| 1,1-Dichloroethene        | 5.0                      | N.D.                    |
| cis-1,2-Dichloroethene    | 5.0                      | N.D.                    |
| trans-1,2-Dichloroethene  | 5.0                      | N.D.                    |
| 1,2-Dichloropropane       | 5.0                      | N.D.                    |
| cis-1,3-Dichloropropene   | 5.0                      | N.D.                    |
| trans-1,3-Dichloropropene | 5.0                      | N.D.                    |
| Methylene chloride        | 50                       | N.D.                    |
| 1,1,2,2-Tetrachloroethane | 5.0                      | N.D.                    |
| Tetrachloroethene         | 5.0                      | N.D.                    |
| 1,1,1-Trichloroethane     | 5.0                      | N.D.                    |
| 1,1,2-Trichloroethane     | 5.0                      | N.D.                    |
| Trichloroethene           | 5.0                      | N.D.                    |
| Trichlorofluoromethane    | 5.0                      | N.D.                    |
| Vinyl chloride            | 10                       | N.D.                    |
| Surrogates                |                          |                         |
| 1-Chloro-2-fluorobenzene  | Control Limits %<br>60   | % Recovery<br>130       |
|                           |                          | 85                      |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page: 25



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: Method Blank  
Matrix:  
Analysis Method: EPA 8010  
Lab Number: 9503685-07

Sampled:  
Received: 03/06/95  
Analyzed: 03/14/95  
Reported: 03/20/95

QC Batch Number: GC0313958010EXA  
Instrument ID: GCHP8

### Halogenated Volatile Organics (EPA 8010)

| Analyte                   | Detection Limit<br>ug/Kg        | Sample Results<br>ug/Kg |
|---------------------------|---------------------------------|-------------------------|
| Bromodichloromethane      | 5.0                             | N.D.                    |
| Bromoform                 | 5.0                             | N.D.                    |
| Bromomethane              | 10                              | N.D.                    |
| Carbon Tetrachloride      | 5.0                             | N.D.                    |
| Chlorobenzene             | 5.0                             | N.D.                    |
| Chloroethane              | 10                              | N.D.                    |
| 2-Chloroethylvinyl ether  | 10                              | N.D.                    |
| Chloroform                | 5.0                             | N.D.                    |
| Chloromethane             | 10                              | N.D.                    |
| Dibromochloromethane      | 5.0                             | N.D.                    |
| 1,2-Dichlorobenzene       | 5.0                             | N.D.                    |
| 1,3-Dichlorobenzene       | 5.0                             | N.D.                    |
| 1,4-Dichlorobenzene       | 5.0                             | N.D.                    |
| 1,1-Dichloroethane        | 5.0                             | N.D.                    |
| 1,2-Dichloroethane        | 5.0                             | N.D.                    |
| 1,1-Dichloroethene        | 5.0                             | N.D.                    |
| cis-1,2-Dichloroethene    | 5.0                             | N.D.                    |
| trans-1,2-Dichloroethene  | 5.0                             | N.D.                    |
| 1,2-Dichloropropane       | 5.0                             | N.D.                    |
| cis-1,3-Dichloropropene   | 5.0                             | N.D.                    |
| trans-1,3-Dichloropropene | 5.0                             | N.D.                    |
| Methylene chloride        | 50                              | N.D.                    |
| 1,1,2,2-Tetrachloroethane | 5.0                             | N.D.                    |
| Tetrachloroethene         | 5.0                             | N.D.                    |
| 1,1,1-Trichloroethane     | 5.0                             | N.D.                    |
| 1,1,2-Trichloroethane     | 5.0                             | N.D.                    |
| Trichloroethene           | 5.0                             | N.D.                    |
| Trichlorofluoromethane    | 5.0                             | N.D.                    |
| Vinyl chloride            | 10                              | N.D.                    |
| Surrogates                |                                 |                         |
| 1-Chloro-2-fluorobenzene  | Control Limits %<br>60      130 | % Recovery<br>84        |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

23



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

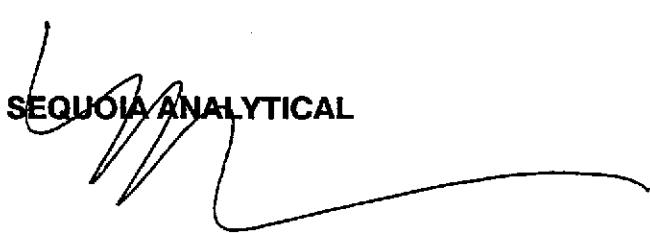
Client Proj. ID: 940018.00, Sybase  
Lab Proj. ID: 9503685

Received: 03/06/95  
Reported: 03/20/95

## LABORATORY NARRATIVE

### EPA 8010 and 8100 Analysis:

Detection limits for sample MW6-2 have been raised. Matrix effects necessitated sample dilution.

  
**SEQUOIA ANALYTICAL**

Eileen Manning  
Project Manager



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
 404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
 819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
 1730 So. Amphlett Blvd., Suite 320  
 San Mateo, CA 94402  
 Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
 Matrix: SOLID  
 Sample Descrip: MW4-8  
 Work Order #: 9503685 01-06

Reported: Mar 20, 1995

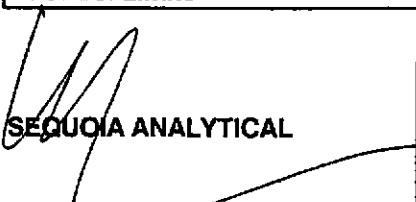
## QUALITY CONTROL DATA REPORT

| Analyte:      | Beryllium       | Cadmium         | Chromium        | Nickel          |
|---------------|-----------------|-----------------|-----------------|-----------------|
| QC Batch#:    | ME0314956010MDD | ME0314956010MDD | ME0314956010MDD | ME0314956010MDD |
| Anal. Method: | EPA 6010        | EPA 6010        | EPA 6010        | EPA 6010        |
| Prep. Method: | EPA 3050        | EPA 3050        | EPA 3050        | EPA 3050        |

|                    |                |                |                |                |
|--------------------|----------------|----------------|----------------|----------------|
| Analyst:           | C. Medefesser  | C. Medefesser  | C. Medefesser  | C. Medefesser  |
| MS/MSD #:          | 9503685-01-MSD | 9503685-01-MSD | 9503685-01-MSD | 9503685-01-MSD |
| Sample Conc.:      | N.D.           | 1.0            | 36             | 71             |
| Prepared Date:     | 03/14/95       | 03/14/95       | 03/14/95       | 03/14/95       |
| Analyzed Date:     | 03/15/95       | 03/15/95       | 03/15/95       | 03/15/95       |
| Instrument I.D. #: | MTJA2          | MTJA2          | MTJA2          | MTJA2          |
| Conc. Spiked:      | 100 mg/Kg      | 100 mg/Kg      | 100 mg/Kg      | 100 mg/Kg      |
| Result:            | 97             | 100            | 140            | 150            |
| MS % Recovery:     | 97             | 99             | 104            | 79             |
| Dup. Result:       | 97             | 99             | 130            | 130            |
| MSD % Recov.:      | 97             | 98             | 94             | 59             |
| RPD:               | 0.0            | 1.0            | 7.4            | 14             |
| RPD Limit:         | 0-30           | 0-30           | 0-30           | 0-30           |

| LCS #:             | LCS031495-LCS | LCS031495-LCS | LCS031495-LCS | LCS031495-LCS |
|--------------------|---------------|---------------|---------------|---------------|
| Prepared Date:     | 03/14/95      | 03/14/95      | 03/14/95      | 03/14/95      |
| Analyzed Date:     | 03/15/95      | 03/15/95      | 03/15/95      | 03/15/95      |
| Instrument I.D. #: | MTJA2         | MTJA2         | MTJA2         | MTJA2         |
| Conc. Spiked:      | 100 mg/Kg     | 100 mg/Kg     | 100 mg/Kg     | 100 mg/Kg     |
| LCS Result:        | 99            | 100           | 100           | 100           |
| LCS % Recov.:      | 99            | 100           | 100           | 100           |

| MS/MSD<br>LCS<br>Control Limits | 75-125 | 75-125 | 75-125 | 75-125 |
|---------------------------------|--------|--------|--------|--------|
|---------------------------------|--------|--------|--------|--------|

  
**SEQUOIA ANALYTICAL**  
 Eileen A. Manning  
 Project Manager

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

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

9503685.ERL <1>



Sequoia  
Analytical

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
Matrix: SOLID  
Sample Descrip: MW4-8  
Work Order #: 9503685 01-06

Reported: Mar 20, 1995

## QUALITY CONTROL DATA REPORT

Analyte: Oil & Grease

QC Batch#: IN0314954181FTA  
Analy. Method: EPA 418.1  
Prep. Method: EPA 418.1

Analyst: D. Williams  
MS/MSD #: 9503685-01-MSD  
Sample Conc.: N.D.  
Prepared Date: 03/14/95  
Analyzed Date: 03/14/95  
Instrument I.D. #: FTIR1  
Conc. Spiked: 230 mg/Kg

Result: 220  
MS % Recovery: 96

Dup. Result: 210  
MSD % Recov.: 91

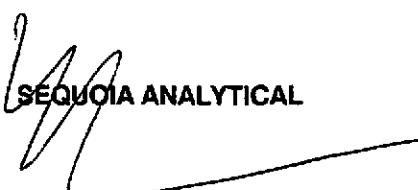
RPD: 4.7  
RPD Limit: 0-30

LCS #:

Prepared Date:  
Analyzed Date:  
Instrument I.D. #:  
Conc. Spiked:

LCS Result:  
LCS % Recov.:

MS/MSD  
LCS 60-140  
Control Limits

  
SEQUOIA ANALYTICAL

Eileen A. Manning  
Project Manager

Please Note:

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

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

9503685.ERL <2>



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
 404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
 819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kallinowski, Inc.  
 1730 So. Amphlett Blvd., Suite 320  
 San Mateo, CA 94402  
 Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
 Matrix: SOLID  
 Sample Descrip: MW4-8  
 Work Order #: 9503685 01-06

Reported: Mar 20, 1995

## QUALITY CONTROL DATA REPORT

|                |                     |                  |                 |
|----------------|---------------------|------------------|-----------------|
| Analyte:       | 1,1-Dichloro-ethene | Trichloro-ethene | Chloro-benzene  |
| QC Batch#:     | GC0313958010EXA     | GC0313958010EXA  | GC0313958010EXA |
| Analy. Method: | EPA 8010            | EPA 8010         | EPA 8010        |
| Prep. Method:  | EPA 5030            | EPA 5030         | EPA 5030        |

|                    |                |                |                |
|--------------------|----------------|----------------|----------------|
| Analyst:           | H. Porter      | H. Porter      | H. Porter      |
| MS/MSD #:          | 9502685-01-MSD | 9502685-01-MSD | 9502685-01-MSD |
| Sample Conc.:      | N.D.           | N.D.           | N.D.           |
| Prepared Date:     | 03/13/95       | 03/13/95       | 03/13/95       |
| Analyzed Date:     | 03/14/95       | 03/14/95       | 03/14/95       |
| Instrument I.D. #: | GCHP8          | GCHP8          | GCHP8          |
| Conc. Spiked:      | 25 µg/Kg       | 25 µg/Kg       | 25 µg/Kg       |
| Result:            | 23             | 26             | 22             |
| MS % Recovery:     | 92             | 104            | 88             |
| Dup. Result:       | 25             | 28             | 25             |
| MSD % Recov.:      | 100            | 112            | 100            |
| RPD:               | 8.3            | 7.4            | 13             |
| RPD Limit:         | 0-50           | 0-50           | 0-50           |

LCS #:

Prepared Date:  
 Analyzed Date:  
 Instrument I.D. #:  
 Conc. Spiked:

LCS Result:  
 LCS % Recov.:

|                                 |        |        |        |
|---------------------------------|--------|--------|--------|
| MS/MSD<br>LCS<br>Control Limits | 28-167 | 35-146 | 38-150 |
|---------------------------------|--------|--------|--------|

**SEQUOIA ANALYTICAL**  
 Eileen A. Manning  
 Project Manager

Please Note:

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

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



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
Matrix: SOLID  
Sample Descrip: MW4-8  
Work Order #: 9503685 01-06

Reported: Mar 20, 1995

## QUALITY CONTROL DATA REPORT

Analyte: PCB 1260

QC Batch#: GC0314950PCBEXB  
Analy. Method: EPA 8080  
Prep. Method: EPA 3550

Analyst: L. Haar  
MS/MSD #: 9503685-01-MSD  
Sample Conc.: N.D.  
Prepared Date: 03/14/95  
Analyzed Date: 03/16/95  
Instrument I.D.#: GCHP5  
Conc. Spiked: 83 µg/Kg

Result: 70  
MS % Recovery: 84  
  
Dup. Result: 63  
MSD % Recov.: 76  
  
RPD: 11  
RPD Limit: 0-50

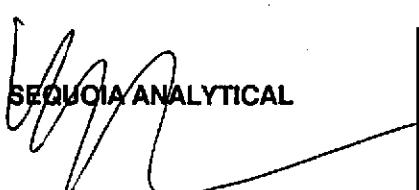
LCS #:

Prepared Date:  
Analyzed Date:  
Instrument I.D.#:  
Conc. Spiked:

LCS Result:  
LCS % Recov.:

MS/MSD  
LCS  
Control Limits

30-150

  
SEQUOIA ANALYTICAL

Eileen A. Manning  
Project Manager

Please Note:

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

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

9503685.ERL <4>



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
Matrix: SOLID  
Sample Descrip: MW4-8  
Work Order #: 9503685 01-06

Reported: Mar 20, 1995

## QUALITY CONTROL DATA REPORT

| Analyte:       | Naphthalene     | Acenaphthene    | Pyrene          |
|----------------|-----------------|-----------------|-----------------|
| QC Batch#:     | GC0315958100EXA | GC0315958100EXA | GC0315958100EXA |
| Analy. Method: | EPA 8100        | EPA 8100        | EPA 8100        |
| Prep. Method:  | EPA 3550        | EPA 3550        | EPA 3550        |

|                    |                |                |                |
|--------------------|----------------|----------------|----------------|
| Analyst:           | L Haar         | L Haar         | L Haar         |
| MS/MSD #:          | 9503685-01-MSD | 9503685-01-MSD | 9503685-01-MSD |
| Sample Conc.:      | N.D.           | N.D.           | N.D.           |
| Prepared Date:     | 03/15/95       | 03/15/95       | 03/15/95       |
| Analyzed Date:     | 03/16/95       | 03/16/95       | 03/16/95       |
| Instrument I.D. #: | GCHP11         | GCHP11         | GCHP11         |
| Conc. Spiked:      | 50 mg/L        | 50 mg/L        | 50 mg/L        |
| Result:            | 45             | 47             | 49             |
| MS % Recovery:     | 90             | 94             | 98             |
| Dup. Result:       | 45             | 47             | 49             |
| MSD % Recov.:      | 90             | 94             | 98             |
| RPD:               | 0.0            | 0.0            | 0.0            |
| RPD Limit:         | 0-50           | 0-50           | 0-50           |

LCS #:

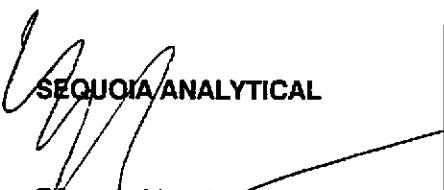
Prepared Date:  
Analyzed Date:  
Instrument I.D. #:  
Conc. Spiked:

LCS Result:  
LCS % Recov.:

| MS/MSD<br>LCS<br>Control Limits | DL-124 | DL-124 | DL-140 |
|---------------------------------|--------|--------|--------|
|                                 |        |        |        |

Please Note:

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

  
**SEQUOIA ANALYTICAL**  
Eileen A. Manning  
Project Manager

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

9503685.ERL <5>

**CHAIN OF CUSTODY / SAMPLE ANALYSIS REQUEST**

**Erler & Kalinowski, Inc.**

Project Number: 940018.00

Project Name: SyBASE

Source of Samples: Soil borings

Location: 64th & 65th Street Properties, Emeryville

Analytical Laboratory: Sequoia Analy.

Date Sampled: March 6, 1995

Sampled By: Gail L. Clark

Report Results To: Paul Hoffey

Phone Number: 415) 578-1172

Special Instructions: Analyze each for: TRPH (5520 CF mod), PCBS (8080), VOCs (8010), PNAs (8100), and ICP Metals (Arsenic, lead, + chromium) 13°C

(\*these samples had sheen/odor)

Relinquished By:

Name / Signature / Affiliation

Data

Tim

Received By

Name / signature / Affiliation

Gail L Clark / Gail Clark / EKI 3-6-95 17:05



Sequoia  
Analytical

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

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

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

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

COPY

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Client Proj. ID: 940018.00, Sybase

Sampled: 03/08/95

Lab Proj. ID: 9503865

Received: 03/08/95

Attention: Paul Hoffey

Analyzed: see below

Reported: 04/17/95

COC Number:

#### LABORATORY ANALYSIS

| Analyte                                                  | Units | Date Analyzed | Detection Limit | Sample Results | Batch Number    |
|----------------------------------------------------------|-------|---------------|-----------------|----------------|-----------------|
| Lab No: 9503865-01,<br>Sample Desc : SOLID, S11          |       |               |                 |                |                 |
| TRPH (EPA 418.1)                                         | mg/Kg | 03/24/95      | 15              | 15             | IN0324954181FTA |
| Lab No: 9503865-02,<br>Sample Desc : SOLID, S12          |       |               |                 |                |                 |
| TRPH (EPA 418.1)                                         | mg/Kg | 03/24/95      | 15              | N.D.           | IN0324954181FTA |
| Lab No: 9503865-03,<br>Sample Desc : SOLID, MW2-6        |       |               |                 |                |                 |
| TRPH (EPA 418.1)                                         | mg/Kg | 03/24/95      | 15              | N.D.           | IN0324954181FTA |
| Lab No: 9503865-04,<br>Sample Desc : SOLID, S13          |       |               |                 |                |                 |
| TRPH (EPA 418.1)                                         | mg/Kg | 03/24/95      | 15              | N.D.           | IN0324954181FTA |
| Lab No: 9503865-05,<br>Sample Desc : SOLID, Method Blank |       |               |                 |                |                 |
| TRPH (EPA 418.1)                                         | mg/Kg | 03/24/95      | 15              | N.D.           | IN0324954181FTA |

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

SEQUOIA ANALYTICAL - ELAP #1210

Eileen Manning  
Project Manager

Page: 1



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S11  
Matrix: SOLID  
Analysis Method: EPA 8010  
Lab Number: 9503865-01

Sampled: 03/08/95  
Received: 03/08/95  
Extracted: 03/14/95  
Analyzed: 03/17/95  
Reported: 04/17/95

COC Number:  
QC Batch Number: GC0314958010EXA

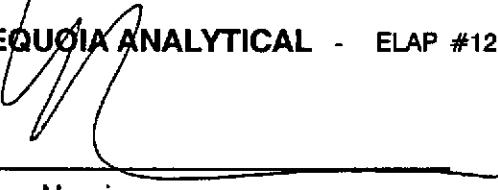
Instrument ID: GCHP8

### Halogenated Volatile Organics (EPA 8010)

| Analyte                   | Detection Limit<br>ug/Kg        | Sample Results<br>ug/Kg |
|---------------------------|---------------------------------|-------------------------|
| Bromodichloromethane      | 5.0                             | N.D.                    |
| Bromoform                 | 5.0                             | N.D.                    |
| Bromomethane              | 10                              | N.D.                    |
| Carbon Tetrachloride      | 5.0                             | N.D.                    |
| Chlorobenzene             | 5.0                             | N.D.                    |
| Chloroethane              | 10                              | N.D.                    |
| 2-Chloroethylvinyl ether  | 10                              | N.D.                    |
| Chloroform                | 5.0                             | N.D.                    |
| Chloromethane             | 10                              | N.D.                    |
| Dibromochloromethane      | 5.0                             | N.D.                    |
| 1,2-Dichlorobenzene       | 5.0                             | N.D.                    |
| 1,3-Dichlorobenzene       | 5.0                             | N.D.                    |
| 1,4-Dichlorobenzene       | 5.0                             | N.D.                    |
| 1,1-Dichloroethane        | 5.0                             | N.D.                    |
| 1,2-Dichloroethane        | 5.0                             | N.D.                    |
| 1,1-Dichloroethene        | 5.0                             | N.D.                    |
| cis-1,2-Dichloroethene    | 5.0                             | N.D.                    |
| trans-1,2-Dichloroethene  | 5.0                             | N.D.                    |
| 1,2-Dichloropropane       | 5.0                             | N.D.                    |
| cis-1,3-Dichloropropene   | 5.0                             | N.D.                    |
| trans-1,3-Dichloropropene | 5.0                             | N.D.                    |
| Methylene chloride        | 50                              | N.D.                    |
| 1,1,2,2-Tetrachloroethane | 5.0                             | N.D.                    |
| Tetrachloroethene         | 5.0                             | N.D.                    |
| 1,1,1-Trichloroethane     | 5.0                             | N.D.                    |
| 1,1,2-Trichloroethane     | 5.0                             | N.D.                    |
| Trichloroethene           | 5.0                             | N.D.                    |
| Trichlorofluoromethane    | 5.0                             | N.D.                    |
| Vinyl chloride            | 10                              | N.D.                    |
|                           |                                 |                         |
| <b>Surrogates</b>         |                                 |                         |
| 1-Chloro-2-fluorobenzene  | Control Limits %<br>60      130 | % Recovery<br>68        |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

  
Eileen Manning  
Project Manager



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S11  
Matrix: SOLID  
Analysis Method: EPA 8100  
Lab Number: 9503865-01

Sampled: 03/08/95  
Received: 03/08/95  
Extracted: 03/17/95  
Analyzed: 03/17/95  
Reported: 04/17/95

COC Number:

QC Batch Number: GC0315958100EXB

Instrument ID: GCHP11

### Polynuclear Aromatic Hydrocarbons (EPA 8100)

| Analyte                | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|------------------------|--------------------------|-------------------------|
| Acenaphthene           | 250                      | N.D.                    |
| Acenaphthylene         | 250                      | N.D.                    |
| Anthracene             | 250                      | N.D.                    |
| Benzo(a)anthracene     | 250                      | N.D.                    |
| Benzo(a)pyrene         | 250                      | N.D.                    |
| Benzo(b)fluoranthene   | 250                      | N.D.                    |
| Benzo(g,h,i)perylene   | 250                      | N.D.                    |
| Benzo(k)fluoranthene   | 250                      | N.D.                    |
| Chrysene               | 250                      | N.D.                    |
| Dibenzo(a,h)anthracene | 250                      | N.D.                    |
| Fluoranthene           | 250                      | N.D.                    |
| Fluorene               | 250                      | N.D.                    |
| Indeno(1,2,3-cd)pyrene | 250                      | N.D.                    |
| Naphthalene            | 250                      | N.D.                    |
| Phenanthrene           | 250                      | N.D.                    |
| Pyrene                 | 250                      | N.D.                    |

| Surrogates       | Control Limits % | % Recovery |
|------------------|------------------|------------|
| 2-Fluorobiphenyl | 50      150      | 100        |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page: 3



**Sequoia  
Analytical**

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

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

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

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

Erter & Kainowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S11  
Matrix: SOLID  
Analysis Method: EPA 6010  
Lab Number: 9503865-01

Sampled: 03/08/95  
Received: 03/08/95  
Extracted: 03/17/95  
Analyzed: 03/18/95  
Reported: 04/17/95

COC Number:  
QC Batch Number: ME0317956010MDC

Instrument ID: MTJA2

| Analyte      | Detection Limit<br>mg/Kg | Sample Results<br>mg/Kg |
|--------------|--------------------------|-------------------------|
| Arsenic, As  | 5.0                      | N.D.                    |
| Chromium, Cr | 0.50                     | 45                      |
| Lead, Pb     | 5.0                      | N.D.                    |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

4



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S11  
Matrix: SOLID  
Analysis Method: EPA 8080  
Lab Number: 9503865-01

Sampled: 03/08/95  
Received: 03/08/95  
Extracted: 03/15/95  
Analyzed: 03/16/95  
Reported: 04/17/95

COC Number:  
QC Batch Number: GC0314950PCBEXB

Instrument ID: GCPE5

**Polychlorinated Biphenyls (EPA 8080)**

| Analyte             | Detection Limit<br>ug/Kg                      | Sample Results<br>ug/Kg |
|---------------------|-----------------------------------------------|-------------------------|
| PCB-1016            | 20                                            | N.D.                    |
| PCB-1221            | 80                                            | N.D.                    |
| PCB-1232            | 20                                            | N.D.                    |
| PCB-1242            | 20                                            | N.D.                    |
| PCB-1248            | 20                                            | N.D.                    |
| PCB-1254            | 20                                            | N.D.                    |
| PCB-1260            | 20                                            | N.D.                    |
| Surrogates          |                                               |                         |
| Dibutylchloroendate | Control Limits %<br>30                    150 | % Recovery<br>65        |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

5



Sequoia  
Analytical

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S12  
Matrix: SOLID  
Analysis Method: EPA 8010  
Lab Number: 9503865-02

Sampled: 03/08/95  
Received: 03/08/95  
Extracted: 03/14/95  
Analyzed: 03/17/95  
Reported: 04/17/95

COC Number:

QC Batch Number: GC0314958010EXA

Instrument ID: GCHP8

### Halogenated Volatile Organics (EPA 8010)

| Analyte                   | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|---------------------------|--------------------------|-------------------------|
| Bromodichloromethane      | 5.0                      | N.D.                    |
| Bromoform                 | 5.0                      | N.D.                    |
| Bromomethane              | 10                       | N.D.                    |
| Carbon Tetrachloride      | 5.0                      | N.D.                    |
| Chlorobenzene             | 5.0                      | N.D.                    |
| Chloroethane              | 10                       | N.D.                    |
| 2-Chloroethylvinyl ether  | 10                       | N.D.                    |
| Chloroform                | 5.0                      | N.D.                    |
| Chloromethane             | 10                       | N.D.                    |
| Dibromochloromethane      | 5.0                      | N.D.                    |
| 1,2-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,3-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,4-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,1-Dichloroethane        | 5.0                      | N.D.                    |
| 1,2-Dichloroethane        | 5.0                      | N.D.                    |
| 1,1-Dichloroethene        | 5.0                      | N.D.                    |
| cis-1,2-Dichloroethene    | 5.0                      | N.D.                    |
| trans-1,2-Dichloroethene  | 5.0                      | N.D.                    |
| 1,2-Dichloropropane       | 5.0                      | N.D.                    |
| cis-1,3-Dichloropropene   | 5.0                      | N.D.                    |
| trans-1,3-Dichloropropene | 5.0                      | N.D.                    |
| Methylene chloride        | 50                       | N.D.                    |
| 1,1,2,2-Tetrachloroethane | 5.0                      | N.D.                    |
| Tetrachloroethene         | 5.0                      | N.D.                    |
| 1,1,1-Trichloroethane     | 5.0                      | N.D.                    |
| 1,1,2-Trichloroethane     | 5.0                      | N.D.                    |
| Trichloroethene           | 5.0                      | N.D.                    |
| Trichlorofluoromethane    | 5.0                      | N.D.                    |
| Vinyl chloride            | 10                       | N.D.                    |
| Surrogates                |                          |                         |
| 1-Chloro-2-fluorobenzene  | Control Limits %<br>60   | % Recovery<br>130       |
|                           |                          | 70                      |

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

SEQUOIA ANALYTICAL - ELAP #1210

Eileen Manning  
Project Manager

Page:

6



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S12  
Matrix: SOLID  
Analysis Method: EPA 8100  
Lab Number: 9503865-02

Sampled: 03/08/95  
Received: 03/08/95  
Extracted: 03/17/95  
Analyzed: 03/17/95  
Reported: 04/17/95

COC Number:

QC Batch Number: GC0315958100EXB

Instrument ID: GCHP11

### Polynuclear Aromatic Hydrocarbons (EPA 8100)

| Analyte                | Detection Limit<br>ug/Kg        | Sample Results<br>ug/Kg |
|------------------------|---------------------------------|-------------------------|
| Acenaphthene           | 250                             | N.D.                    |
| Acenaphthylene         | 250                             | N.D.                    |
| Anthracene             | 250                             | N.D.                    |
| Benzo(a)anthracene     | 250                             | N.D.                    |
| Benzo(a)pyrene         | 250                             | N.D.                    |
| Benzo(b)fluoranthene   | 250                             | N.D.                    |
| Benzo(g,h,i)perylene   | 250                             | N.D.                    |
| Benzo(k)fluoranthene   | 250                             | N.D.                    |
| Chrysene               | 250                             | N.D.                    |
| Dibenzo(a,h)anthracene | 250                             | N.D.                    |
| Fluoranthene           | 250                             | N.D.                    |
| Fluorene               | 250                             | N.D.                    |
| Indeno(1,2,3-cd)pyrene | 250                             | N.D.                    |
| Naphthalene            | 250                             | N.D.                    |
| Phenanthrene           | 250                             | N.D.                    |
| Pyrene                 | 250                             | N.D.                    |
| Surrogates             |                                 |                         |
| 2-Fluorobiphenyl       | Control Limits %<br>50      150 | % Recovery<br>80        |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page: 7



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S12  
Matrix: SOLID  
Analysis Method: EPA 6010  
Lab Number: 9503865-02

Sampled: 03/08/95  
Received: 03/08/95  
Extracted: 03/17/95  
Analyzed: 03/19/95  
Reported: 04/17/95

COC Number:  
QC Batch Number: ME0317956010MDC

Instrument ID: MTJA2

| Analyte      | Detection Limit<br>mg/Kg | Sample Results<br>mg/Kg |
|--------------|--------------------------|-------------------------|
| Arsenic, As  | 5.0                      | N.D.                    |
| Chromium, Cr | 0.50                     | 34                      |
| Lead, Pb     | 5.0                      | N.D.                    |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page: 8



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S12  
Matrix: SOLID  
Analysis Method: EPA 8080  
Lab Number: 9503865-02

Sampled: 03/08/95  
Received: 03/08/95  
Extracted: 03/15/95  
Analyzed: 03/16/95  
Reported: 04/17/95

COC Number:  
QC Batch Number: GC0314950PCBEXB

Instrument ID: GCPE5

### Polychlorinated Biphenyls (EPA 8080)

| Analyte  | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|----------|--------------------------|-------------------------|
| PCB-1016 | 20                       | N.D.                    |
| PCB-1221 | 80                       | N.D.                    |
| PCB-1232 | 20                       | N.D.                    |
| PCB-1242 | 20                       | N.D.                    |
| PCB-1248 | 20                       | N.D.                    |
| PCB-1254 | 20                       | N.D.                    |
| PCB-1260 | 20                       | N.D.                    |

| Surrogates          | Control Limits % | % Recovery |
|---------------------|------------------|------------|
| Dibutylchloroendate | 30      150      | 54         |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page: 9



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW2-6  
Matrix: SOLID  
Analysis Method: EPA 8010  
Lab Number: 9503865-03

Sampled: 03/08/95  
Received: 03/08/95  
Extracted: 03/14/95  
Analyzed: 03/17/95  
Reported: 04/17/95

COC Number:  
QC Batch Number: GC0314958010EXA

Instrument ID: GCHP8

### Halogenated Volatile Organics (EPA 8010)

| Analyte                   | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|---------------------------|--------------------------|-------------------------|
| Bromodichloromethane      | 5.0                      | N.D.                    |
| Bromoform                 | 5.0                      | N.D.                    |
| Bromomethane              | 10                       | N.D.                    |
| Carbon Tetrachloride      | 5.0                      | N.D.                    |
| Chlorobenzene             | 5.0                      | N.D.                    |
| Chloroethane              | 10                       | N.D.                    |
| 2-Chloroethylvinyl ether  | 10                       | N.D.                    |
| Chloroform                | 5.0                      | N.D.                    |
| Chloromethane             | 10                       | N.D.                    |
| Dibromochloromethane      | 5.0                      | N.D.                    |
| 1,2-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,3-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,4-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,1-Dichloroethane        | 5.0                      | N.D.                    |
| 1,2-Dichloroethane        | 5.0                      | N.D.                    |
| 1,1-Dichloroethene        | 5.0                      | N.D.                    |
| cis-1,2-Dichloroethene    | 5.0                      | N.D.                    |
| trans-1,2-Dichloroethene  | 5.0                      | N.D.                    |
| 1,2-Dichloropropane       | 5.0                      | N.D.                    |
| cis-1,3-Dichloropropene   | 5.0                      | N.D.                    |
| trans-1,3-Dichloropropene | 5.0                      | N.D.                    |
| Methylene chloride        | 50                       | N.D.                    |
| 1,1,2,2-Tetrachloroethane | 5.0                      | N.D.                    |
| Tetrachloroethene         | 5.0                      | N.D.                    |
| 1,1,1-Trichloroethane     | 5.0                      | N.D.                    |
| 1,1,2-Trichloroethane     | 5.0                      | N.D.                    |
| Trichloroethene           | 5.0                      | N.D.                    |
| Trichlorofluoromethane    | 5.0                      | N.D.                    |
| Vinyl chloride            | 10                       | N.D.                    |
| Surrogates                |                          |                         |
| 1-Chloro-2-fluorobenzene  | Control Limits %<br>60   | % Recovery<br>130       |
|                           |                          | 76                      |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

10



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW2-6  
Matrix: SOLID  
Analysis Method: EPA 8100  
Lab Number: 9503865-03

Sampled: 03/08/95  
Received: 03/08/95  
Extracted: 03/17/95  
Analyzed: 03/17/95  
Reported: 04/17/95

COC Number:  
QC Batch Number: GC0315958100EXB

Instrument ID: GCHP11

### Polynuclear Aromatic Hydrocarbons (EPA 8100)

| Analyte                | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|------------------------|--------------------------|-------------------------|
| Acenaphthene           | 250                      | N.D.                    |
| Acenaphthylene         | 250                      | N.D.                    |
| Anthracene             | 250                      | N.D.                    |
| Benzo(a)anthracene     | 250                      | N.D.                    |
| Benzo(a)pyrene         | 250                      | N.D.                    |
| Benzo(b)fluoranthene   | 250                      | N.D.                    |
| Benzo(g,h,i)perylene   | 250                      | N.D.                    |
| Benzo(k)fluoranthene   | 250                      | N.D.                    |
| Chrysene               | 250                      | N.D.                    |
| Dibenzo(a,h)anthracene | 250                      | N.D.                    |
| Fluoranthene           | 250                      | N.D.                    |
| Fluorene               | 250                      | N.D.                    |
| Indeno(1,2,3-cd)pyrene | 250                      | N.D.                    |
| Naphthalene            | 250                      | N.D.                    |
| Phenanthrene           | 250                      | N.D.                    |
| Pyrene                 | 250                      | N.D.                    |

| Surrogates       | Control Limits % | % Recovery |
|------------------|------------------|------------|
| 2-Fluorobiphenyl | 50      150      | 75         |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

11



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW2-6  
Matrix: SOLID  
Analysis Method: EPA 6010  
Lab Number: 9503865-03

Sampled: 03/08/95  
Received: 03/08/95  
Extracted: 03/17/95  
Analyzed: 03/19/95  
Reported: 04/17/95

COC Number:  
QC Batch Number: ME0317956010MDC

Instrument ID: MTJA2

| Analyte      | Detection Limit<br>mg/Kg | Sample Results<br>mg/Kg |
|--------------|--------------------------|-------------------------|
| Arsenic, As  | 5.0                      | N.D.                    |
| Chromium, Cr | 0.50                     | 26                      |
| Lead, Pb     | 5.0                      | N.D.                    |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

12





**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW2-6  
Matrix: SOLID  
Analysis Method: EPA 8080  
Lab Number: 9503865-03

Sampled: 03/08/95  
Received: 03/08/95  
Extracted: 03/15/95  
Analyzed: 03/16/95  
Reported: 04/17/95

COC Number:

QC Batch Number: GC0314950PCBEXB

Instrument ID: GCPE5

**Polychlorinated Biphenyls (EPA 8080)**

| Analyte  | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|----------|--------------------------|-------------------------|
| PCB-1016 | 20                       | N.D.                    |
| PCB-1221 | 80                       | N.D.                    |
| PCB-1232 | 20                       | N.D.                    |
| PCB-1242 | 20                       | N.D.                    |
| PCB-1248 | 20                       | N.D.                    |
| PCB-1254 | 20                       | N.D.                    |
| PCB-1260 | 20                       | N.D.                    |

| Surrogates          | Control Limits % | % Recovery |
|---------------------|------------------|------------|
| Dibutylchloroendate | 30      150      | 64         |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

13



Sequoia  
Analytical

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S13  
Matrix: SOLID  
Analysis Method: EPA 8010  
Lab Number: 9503865-04

Sampled: 03/08/95  
Received: 03/08/95  
Extracted: 03/14/95  
Analyzed: 03/17/95  
Reported: 04/17/95

COC Number:

QC Batch Number: GC0314958010EXA

Instrument ID: GCHP8

### Halogenated Volatile Organics (EPA 8010)

| Analyte                   | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|---------------------------|--------------------------|-------------------------|
| Bromodichloromethane      | 5.0                      | N.D.                    |
| Bromoform                 | 5.0                      | N.D.                    |
| Bromomethane              | 10                       | N.D.                    |
| Carbon Tetrachloride      | 5.0                      | N.D.                    |
| Chlorobenzene             | 5.0                      | N.D.                    |
| Chloroethane              | 10                       | N.D.                    |
| 2-Chloroethylvinyl ether  | 10                       | N.D.                    |
| Chloroform                | 5.0                      | N.D.                    |
| Chloromethane             | 10                       | N.D.                    |
| Dibromochloromethane      | 5.0                      | N.D.                    |
| 1,2-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,3-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,4-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,1-Dichloroethane        | 5.0                      | N.D.                    |
| 1,2-Dichloroethane        | 5.0                      | N.D.                    |
| 1,1-Dichloroethene        | 5.0                      | N.D.                    |
| cis-1,2-Dichloroethene    | 5.0                      | N.D.                    |
| trans-1,2-Dichloroethene  | 5.0                      | N.D.                    |
| 1,2-Dichloropropane       | 5.0                      | N.D.                    |
| cis-1,3-Dichloropropene   | 5.0                      | N.D.                    |
| trans-1,3-Dichloropropene | 5.0                      | N.D.                    |
| Methylene chloride        | 50                       | N.D.                    |
| 1,1,2,2-Tetrachloroethane | 5.0                      | N.D.                    |
| Tetrachloroethene         | 5.0                      | N.D.                    |
| 1,1,1-Trichloroethane     | 5.0                      | N.D.                    |
| 1,1,2-Trichloroethane     | 5.0                      | N.D.                    |
| Trichloroethene           | 5.0                      | N.D.                    |
| Trichlorofluoromethane    | 5.0                      | N.D.                    |
| Vinyl chloride            | 10                       | N.D.                    |
| Surrogates                |                          |                         |
| 1-Chloro-2-fluorobenzene  | Control Limits %<br>60   | % Recovery<br>71        |

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

SEQUOIA ANALYTICAL - ELAP #1210

Eileen Manning  
Project Manager

Page:

14



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S13  
Matrix: SOLID  
Analysis Method: EPA 8100  
Lab Number: 9503865-04

Sampled: 03/08/95  
Received: 03/08/95  
Extracted: 03/17/95  
Analyzed: 03/17/95  
Reported: 04/17/95

COC Number:

QC Batch Number: GC0315958100EXB

Instrument ID: GCHP11

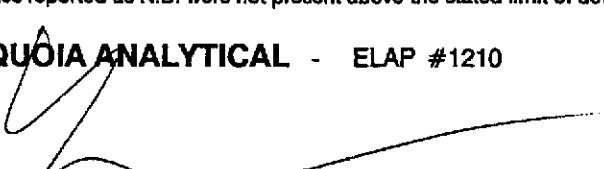
**Polynuclear Aromatic Hydrocarbons (EPA 8100)**

| Analyte                | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|------------------------|--------------------------|-------------------------|
| Acenaphthene           | 250                      | N.D.                    |
| Acenaphthylene         | 250                      | N.D.                    |
| Anthracene             | 250                      | N.D.                    |
| Benzo(a)anthracene     | 250                      | N.D.                    |
| Benzo(a)pyrene         | 250                      | N.D.                    |
| Benzo(b)fluoranthene   | 250                      | N.D.                    |
| Benzo(g,h,i)perylene   | 250                      | N.D.                    |
| Benzo(k)fluoranthene   | 250                      | N.D.                    |
| Chrysene               | 250                      | N.D.                    |
| Dibenzo(a,h)anthracene | 250                      | N.D.                    |
| Fluoranthene           | 250                      | N.D.                    |
| Fluorene               | 250                      | N.D.                    |
| Indeno(1,2,3-cd)pyrene | 250                      | N.D.                    |
| Naphthalene            | 250                      | N.D.                    |
| Phenanthrene           | 250                      | N.D.                    |
| Pyrene                 | 250                      | N.D.                    |

| Surrogates       | Control Limits % | % Recovery |
|------------------|------------------|------------|
| 2-Fluorobiphenyl | 50      150      | 74         |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

  
Eileen Manning  
Project Manager

Page:

15



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S13  
Matrix: SOLID  
Analysis Method: EPA 6010  
Lab Number: 9503865-04

Sampled: 03/08/95  
Received: 03/08/95  
Extracted: 03/17/95  
Analyzed: 03/19/95  
Reported: 04/17/95

COC Number:  
QC Batch Number: ME0317956010MDC

Instrument ID: MTJA2

| Analyte      | Detection Limit<br>mg/Kg | Sample Results<br>mg/Kg |
|--------------|--------------------------|-------------------------|
| Arsenic, As  | 5.0                      | N.D.                    |
| Chromium, Cr | 0.50                     | 39                      |
| Lead, Pb     | 5.0                      | 5.1                     |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

16



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S13  
Matrix: SOLID  
Analysis Method: EPA 8080  
Lab Number: 9503865-04

Sampled: 03/08/95  
Received: 03/08/95  
Extracted: 03/15/95  
Analyzed: 03/16/95  
Reported: 04/17/95

COC Number:  
QC Batch Number: GC0314950PCBEXB

Instrument ID: GCPE5

**Polychlorinated Biphenyls (EPA 8080)**

| Analyte                                  | Detection Limit<br>ug/Kg        | Sample Results<br>ug/Kg |
|------------------------------------------|---------------------------------|-------------------------|
| PCB-1016                                 | 20                              | N.D.                    |
| PCB-1221                                 | 80                              | N.D.                    |
| PCB-1232                                 | 20                              | N.D.                    |
| PCB-1242                                 | 20                              | N.D.                    |
| PCB-1248                                 | 20                              | N.D.                    |
| PCB-1254                                 | 20                              | N.D.                    |
| PCB-1260                                 | 20                              | N.D.                    |
| <b>Surrogates</b><br>Dibutylchloroendate | Control Limits %<br>30      150 | % Recovery<br>75        |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

17



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: Method Blank  
Matrix: SOLID  
Analysis Method: EPA 8080  
Lab Number: 9503865-05

Sampled: 03/08/95  
Received: 03/08/95  
Extracted: 03/15/95  
Analyzed: 03/16/95  
Reported: 04/17/95

COC Number:

QC Batch Number: GC0314950PCBEXB

Instrument ID: GCPE5

**Polychlorinated Biphenyls (EPA 8080)**

| Analyte  | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|----------|--------------------------|-------------------------|
| PCB-1016 | 20                       | N.D.                    |
| PCB-1221 | 80                       | N.D.                    |
| PCB-1232 | 20                       | N.D.                    |
| PCB-1242 | 20                       | N.D.                    |
| PCB-1248 | 20                       | N.D.                    |
| PCB-1254 | 20                       | N.D.                    |
| PCB-1260 | 20                       | N.D.                    |

| Surrogates          | Control Limits % | % Recovery |
|---------------------|------------------|------------|
| Dibutylchloroendate | 30      150      | 78         |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

18



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
 404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
 819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
 1730 South Amphlett, Ste 320  
 San Mateo, CA 94402  
 Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
 Sample Descript: Method Blank  
 Matrix: SOLID  
 Analysis Method: EPA 8010  
 Lab Number: 9503865-05

Sampled: 03/08/95  
 Received: 03/08/95  
 Extracted: 03/14/95  
 Analyzed: 03/17/95  
 Reported: 04/17/95

COC Number:  
 QC Batch Number: GC0314958010EXA

Instrument ID: GCHP8

### Halogenated Volatile Organics (EPA 8010)

| Analyte                   | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|---------------------------|--------------------------|-------------------------|
| Bromodichloromethane      | 5.0                      | N.D.                    |
| Bromoform                 | 5.0                      | N.D.                    |
| Bromomethane              | 10                       | N.D.                    |
| Carbon Tetrachloride      | 5.0                      | N.D.                    |
| Chlorobenzene             | 5.0                      | N.D.                    |
| Chloroethane              | 10                       | N.D.                    |
| 2-Chloroethylvinyl ether  | 10                       | N.D.                    |
| Chloroform                | 5.0                      | N.D.                    |
| Chloromethane             | 10                       | N.D.                    |
| Dibromochloromethane      | 5.0                      | N.D.                    |
| 1,2-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,3-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,4-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,1-Dichloroethane        | 5.0                      | N.D.                    |
| 1,2-Dichloroethane        | 5.0                      | N.D.                    |
| 1,1-Dichloroethene        | 5.0                      | N.D.                    |
| cis-1,2-Dichloroethene    | 5.0                      | N.D.                    |
| trans-1,2-Dichloroethene  | 5.0                      | N.D.                    |
| 1,2-Dichloropropane       | 5.0                      | N.D.                    |
| cis-1,3-Dichloropropene   | 5.0                      | N.D.                    |
| trans-1,3-Dichloropropene | 5.0                      | N.D.                    |
| Methylene chloride        | 50                       | N.D.                    |
| 1,1,2,2-Tetrachloroethane | 5.0                      | N.D.                    |
| Tetrachloroethene         | 5.0                      | N.D.                    |
| 1,1,1-Trichloroethane     | 5.0                      | N.D.                    |
| 1,1,2-Trichloroethane     | 5.0                      | N.D.                    |
| Trichloroethene           | 5.0                      | N.D.                    |
| Trichlorofluoromethane    | 5.0                      | N.D.                    |
| Vinyl chloride            | 10                       | N.D.                    |

| Surrogates               | Control Limits % | % Recovery |
|--------------------------|------------------|------------|
| 1-Chloro-2-fluorobenzene | 60      130      | 97         |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
 Project Manager

Page:

19



**Sequoia  
Analytical**

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

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

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

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

Erler & Kallnowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: Method Blank  
Matrix: SOLID  
Analysis Method: EPA 8100  
Lab Number: 9503865-05

Sampled: 03/08/95  
Received: 03/08/95  
Extracted: 03/17/95  
Analyzed: 03/17/95  
Reported: 04/17/95

COC Number:

QC Batch Number: GC0315958100EXB

Instrument ID: GCHP11

### Polynuclear Aromatic Hydrocarbons (EPA 8100)

| Analyte                | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|------------------------|--------------------------|-------------------------|
| Acenaphthene           | 250                      | N.D.                    |
| Acenaphthylene         | 250                      | N.D.                    |
| Anthracene             | 250                      | N.D.                    |
| Benzo(a)anthracene     | 250                      | N.D.                    |
| Benzo(a)pyrene         | 250                      | N.D.                    |
| Benzo(b)fluoranthene   | 250                      | N.D.                    |
| Benzo(g,h,i)perylene   | 250                      | N.D.                    |
| Benzo(k)fluoranthene   | 250                      | N.D.                    |
| Chrysene               | 250                      | N.D.                    |
| Dibenzo(a,h)anthracene | 250                      | N.D.                    |
| Fluoranthene           | 250                      | N.D.                    |
| Fluorene               | 250                      | N.D.                    |
| Indeno(1,2,3-cd)pyrene | 250                      | N.D.                    |
| Naphthalene            | 250                      | N.D.                    |
| Phenanthrene           | 250                      | N.D.                    |
| Pyrene                 | 250                      | N.D.                    |

**Surrogates**  
2-Fluorobiphenyl

Control Limits %  
50                    150

% Recovery  
74

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

20



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: Method Blank  
Matrix: SOLID  
Analysis Method: EPA 6010  
Lab Number: 9503865-05

Sampled: 03/08/95  
Received: 03/08/95  
Extracted: 03/17/95  
Analyzed: 03/18/95  
Reported: 04/17/95

COC Number:  
QC Batch Number: ME0317956010MDC

Instrument ID: MTJA2

| Analyte      | Detection Limit<br>mg/Kg | Sample Results<br>mg/Kg |
|--------------|--------------------------|-------------------------|
| Arsenic, As  | 5.0                      | N.D.                    |
| Chromium, Cr | 0.50                     | N.D.                    |
| Lead, Pb     | 5.0                      | N.D.                    |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

21



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
Matrix: SOLID  
Sample Descript: S11  
Work Order #: 9503865 01-05

Reported: Apr 18, 1995

## QUALITY CONTROL DATA REPORT

**Analyte:** TRPH

**QC Batch#:** IN0324954181FTA  
**Analy. Method:** EPA 418.1  
**Prep. Method:** EPA 418.1

**Analyst:** D. Williams  
**MS/MSD #:** 9503865-01-MSD  
**Sample Conc.:** N.D.  
**Prepared Date:** 03/24/95  
**Analyzed Date:** 03/24/95  
**Instrument I.D. #:** FTIR1  
**Conc. Spiked:** 230 mg/Kg

**Result:** 200  
**MS % Recovery:** 87

**Dup. Result:** 170  
**MSD % Recov.:** 74

**RPD:** 16.0  
**RPD Limit:** 0-30

**LCS #:**

**Prepared Date:**  
**Analyzed Date:**  
**Instrument I.D. #:**  
**Conc. Spiked:**

**LCS Result:**  
**LCS % Recov.:**

**MS/MSD** 60-140  
**LCS**  
**Control Limits**

**Please Note:**

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

**SEQUOIA ANALYTICAL**

Eileen A. Manning  
Project Manager

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

9503865.ERL <1>



**Sequoia  
Analytical**

|                                                                          |                                                                          |                                                    |                                                                |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|
| 680 Chesapeake Drive<br>404 N. Wiget Lane<br>819 Striker Avenue, Suite 8 | Redwood City, CA 94063<br>Walnut Creek, CA 94598<br>Sacramento, CA 95834 | (415) 364-9600<br>(510) 988-9600<br>(916) 921-9600 | FAX (415) 364-9233<br>FAX (510) 988-9673<br>FAX (916) 921-0100 |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|

Eler & Kalinowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
Matrix: SOLID  
Sample Descript: S11  
Work Order #: 9503865 01-05

Reported: Apr 18, 1995

## QUALITY CONTROL DATA REPORT

| Analyte:       | Beryllium       | Cadmium         | Chromium        | Nickel          |
|----------------|-----------------|-----------------|-----------------|-----------------|
| QC Batch#:     | ME0317956010MDC | ME0317956010MDC | ME0317956010MDC | ME0317956010MDC |
| Analy. Method: | EPA 6010        | EPA 6010        | EPA 6010        | EPA 6010        |
| Prep. Method:  | EPA 3050        | EPA 3050        | EPA 3050        | EPA 3050        |

|                    |                |                |                |                |
|--------------------|----------------|----------------|----------------|----------------|
| Analyst:           | C. Medefesser  | C. Medefesser  | C. Medefesser  | C. Medefesser  |
| MS/MSD #:          | 9503865-01-MSD | 9503865-01-MSD | 9503865-01-MSD | 9503865-01-MSD |
| Sample Conc.:      | 0.72           | N.D.           | 45             | 59             |
| Prepared Date:     | 03/17/95       | 03/17/95       | 03/17/95       | 03/17/95       |
| Analyzed Date:     | 03/18/95       | 03/18/95       | 03/18/95       | 03/18/95       |
| Instrument I.D. #: | MTJA2          | MTJA2          | MTJA2          | MTJA2          |
| Conc. Spiked:      | 100 mg/Kg      | 100 mg/Kg      | 100 mg/Kg      | 100 mg/Kg      |
| Result:            | 98             | 98             | 140            | 150            |
| MS % Recovery:     | 97             | 98             | 95             | 91             |
| Dup. Result:       | 96             | 97             | 140            | 160            |
| MSD % Recov.:      | 95             | 97             | 95             | 101            |
| RPD:               | 2.1            | 1.0            | 0.0            | 6.5            |
| RPD Limit:         | 0-30           | 0-30           | 0-30           | 0-30           |

LCS #:

Prepared Date:  
Analyzed Date:  
Instrument I.D. #:  
Conc. Spiked:

LCS Result:  
LCS % Recov.:

| MS/MSD<br>LCS<br>Control Limits | 75-125 | 75-125 | 75-125 | 75-125 |
|---------------------------------|--------|--------|--------|--------|
|                                 |        |        |        |        |

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

**SEQUOIA ANALYTICAL**  
Eileen A. Manning  
Project Manager

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

9503865.ERL <2>



Sequoia  
Analytical

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

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

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

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

Erler & Kallnowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Haffey

Client Project ID: 940018.00, Sybase  
Matrix: SOLID  
Sample Descript: S11  
Work Order #: 9503865 01-05

Reported: Apr 18, 1995

## QUALITY CONTROL DATA REPORT

| Analyte:      | 1,1-Dichloro-ethene | Trichloro-ethene | Chloro-benzene  |
|---------------|---------------------|------------------|-----------------|
| QC Batch#:    | GC0314958010EXA     | GC0314958010EXA  | GC0314958010EXA |
| Anal. Method: | EPA 8010            | EPA 8010         | EPA 8010        |
| Prep. Method: | EPA 5030            | EPA 5030         | EPA 5030        |

|                    |                |                |               |
|--------------------|----------------|----------------|---------------|
| Analyst:           | H. Porter      | H. Porter      | H. Porter     |
| MS/MSD #:          | 9503865-01-MSD | 9503865-01-MSD | 503865-01-MSD |
| Sample Conc.:      | N.D.           | N.D.           | N.D.          |
| Prepared Date:     | 03/14/95       | 03/14/95       | 03/14/95      |
| Analyzed Date:     | 03/17/95       | 03/17/95       | 03/17/95      |
| Instrument I.D. #: | GCHP8          | GCHP8          | GCHP8         |
| Conc. Spiked:      | 25 µg/Kg       | 25 µg/Kg       | 25 µg/Kg      |
| Result:            | 18             | 23             | 19            |
| MS % Recovery:     | 72             | 92             | 76            |
| Dup. Result:       | 21             | 24             | 21            |
| MSD % Recov.:      | 84             | 96             | 84            |
| RPD:               | 15             | 4.3            | 10            |
| RPD Limit:         | 0-50           | 0-50           | 0-50          |

LCS #:

Prepared Date:  
Analyzed Date:  
Instrument I.D. #:  
Conc. Spiked:

LCS Result:  
LCS % Recov.:

|        |        |        |        |
|--------|--------|--------|--------|
| MS/MSD | 28-167 | 35-146 | 38-150 |
| LCS    |        |        |        |

SEQUOIA ANALYTICAL

Eileen A. Manning  
Project Manager

Please Note:

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

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



Sequoia  
Analytical

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
Matrix: SOLID  
Sample Descript: MW4-8  
Work Order #: 9503865 01-05

Reported: Apr 18, 1995

## QUALITY CONTROL DATA REPORT

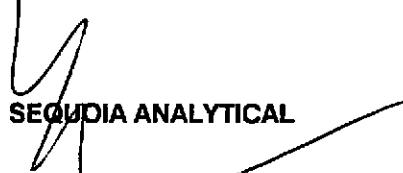
| Analyte:           | Naphthalene     | Acenaphthene    | Pyrene          |
|--------------------|-----------------|-----------------|-----------------|
| QC Batch#:         | GC0315958100EXB | GC0315958100EXB | GC0315958100EXB |
| Analy. Method:     | EPA 8100        | EPA 8100        | EPA 8100        |
| Prep. Method:      | EPA 3550        | EPA 3550        | EPA 3550        |
| Analyst:           | L. Haar         | L. Haar         | L. Haar         |
| MS/MSD #:          | 9503685-01-MSD  | 9503685-01-MSD  | 9503685-01-MSD  |
| Sample Conc.:      | N.D.            | N.D.            | N.D.            |
| Prepared Date:     | 03/15/95        | 03/15/95        | 03/15/95        |
| Analyzed Date:     | 03/16/95        | 03/16/95        | 03/16/95        |
| Instrument I.D. #: | GCHP11          | GCHP11          | GCHP11          |
| Conc. Spiked:      | 50 mg/L         | 50 mg/L         | 50 mg/L         |
| Result:            | 45              | 47              | 49              |
| MS % Recovery:     | 90              | 94              | 98              |
| Dup. Result:       | 45              | 47              | 49              |
| MSD % Recov.:      | 90              | 94              | 98              |
| RPD:               | 0.0             | 0.0             | 0.0             |
| RPD Limit:         | 0-50            | 0-50            | 0-50            |

LCS #:

Prepared Date:  
Analyzed Date:  
Instrument I.D. #:  
Conc. Spiked:

LCS Result:  
LCS % Recov.:

| MS/MSD             | DL-124 | DL-124 | DL-140 |
|--------------------|--------|--------|--------|
| LCS Control Limits |        |        |        |

  
SEQUOIA ANALYTICAL

Eileen A. Manning  
Project Manager

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

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

9503865.ERL <4>



Sequoia  
Analytical

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
Matrix: SOLID  
Sample Descript: MW4-8  
Work Order #: 9503865 01-05

Reported: Apr 18, 1995

## QUALITY CONTROL DATA REPORT

Analyte: PCB 1260

QC Batch#: GC0314950PCBEXB  
Analy. Method: EPA 8080  
Prep. Method: EPA 3550

Analyst: L. Haar  
MS/MSD #: 9503685-01-MSD  
Sample Conc.: N.D.  
Prepared Date: 03/14/95  
Analyzed Date: 03/16/95  
Instrument I.D.#: GCPE5  
Conc. Spiked: 83 µg/Kg

Result: 70  
MS % Recovery: 84

Dup. Result: 63  
MSD % Recov.: 76

RPD: 11  
RPD Limit: 0-50

LCS #:

Prepared Date:  
Analyzed Date:  
Instrument I.D.#:  
Conc. Spiked:

LCS Result:  
LCS % Recov.:

MS/MSD  
LCS 30-150  
Control Limits

SEQUOIA ANALYTICAL

Eileen A. Manning  
Project Manager

Please Note:

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

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

9503865.ERL <5>

**CHAIN OF CUSTODY / SAMPLE ANALYSIS REQUEST**

**Erler & Kalinowski, Inc.**

Project Number: 940018.00

Project Name: SYBASE

Source of Samples: soil borings using FRED

Location: Ryerson Bld, 64th & 65th Street Prop., Emeryville

Analytical Laboratory: Sequoia Analytical

Date Sampled: 8 March 1995

Sampled By: G.L. Clark

Report Results To: Paul Hoffey

Phone Number: 415) 578-1172

Special Instructions: NOTE: All samples analyzed for TRPH (5520 cF mod), PCBs (8080), VOCs (8010), PNA<sub>s</sub> (8100), and ICP Metals (arsenic, lead + chromium)

Relinquished By:

Name / Signature / Affiliation

Give start to it

**Received By:**

Name / Signature / Affiliation

Gail C Clark / Gail L Clark / EKI 38-95 17:18  
David Lawrence / Dick Zumm / Sequoia



Sequoia  
Analytical

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

COPY

|                                                                                 |                                                             |                                                                |
|---------------------------------------------------------------------------------|-------------------------------------------------------------|----------------------------------------------------------------|
| Erler & Kalinowski, Inc.<br>1730 South Amphlett, Ste 320<br>San Mateo, CA 94402 | Client Proj. ID: 940018.00, Sybase<br>Lab Proj. ID: 9503922 | Sampled: 03/09/95<br>Received: 03/09/95<br>Analyzed: see below |
| Attention: Paul Hoffey                                                          |                                                             | Reported: 03/23/95                                             |

COC Number:

#### LABORATORY ANALYSIS

| Analyte                                                | Units | Date Analyzed | Detection Limit | Sample Results | Batch Number    |
|--------------------------------------------------------|-------|---------------|-----------------|----------------|-----------------|
| Lab No: 9503922-01,<br>Sample Desc : SOLID, S1A/B COMP |       |               |                 |                |                 |
| TRPH (EPA 418.1)                                       | mg/Kg | 03/21/95      | 15              | 17             | IN0321954181FTB |
| Lab No: 9503922-02,<br>Sample Desc : SOLID, S2A/B COMP |       |               |                 |                |                 |
| TRPH (EPA 418.1)                                       | mg/Kg | 03/21/95      | 15              | 87             | IN0321954181FTB |
| Lab No: 9503922-03,<br>Sample Desc : SOLID, S4A/B COMP |       |               |                 |                |                 |
| TRPH (EPA 418.1)                                       | mg/Kg | 03/21/95      | 150             | 490            | IN0321954181FTB |
| Lab No: 9503922-04,<br>Sample Desc : SOLID, S3A/B COMP |       |               |                 |                |                 |
| TRPH (EPA 418.1)                                       | mg/Kg | 03/21/95      | 300             | 3400           | IN0321954181FTB |

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

SEQUOIA ANALYTICAL - ELAP #1210

Eileen Manning  
Project Manager





**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Client Proj. ID: 940018.00, Sybase  
Lab Proj. ID: 9503922

Sampled:  
Received: 03/09/95  
Analyzed: see below

Attention: Paul Hoffey

Reported: 03/23/95

COC Number:

### LABORATORY ANALYSIS

| Analyte                                                  | Units | Date Analyzed | Detection Limit | Sample Results | Batch Number    |
|----------------------------------------------------------|-------|---------------|-----------------|----------------|-----------------|
| Lab No: 9503922-05,<br>Sample Desc : SOLID, Method Blank |       |               |                 |                |                 |
| TRPH (EPA 418.1)                                         | mg/Kg | 03/21/95      | 15              | N.D.           | IN0321954181FTB |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page: 2



Sequoia  
Analytical

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S1A/B COMP  
Matrix: SOLID  
Analysis Method: EPA 8010  
Lab Number: 9503922-01

Sampled: 03/09/95  
Received: 03/09/95  
Extracted: 03/17/95  
Analyzed: 03/19/95  
Reported: 03/23/95

COC Number:  
QC Batch Number: GC0317958010EXA

Instrument ID: GCHP8

### Halogenated Volatile Organics (EPA 8010)

| Analyte                   | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|---------------------------|--------------------------|-------------------------|
| Bromodichloromethane      | 5.0                      | N.D.                    |
| Bromoform                 | 5.0                      | N.D.                    |
| Bromomethane              | 10                       | N.D.                    |
| Carbon Tetrachloride      | 5.0                      | N.D.                    |
| Chlorobenzene             | 5.0                      | N.D.                    |
| Chloroethane              | 10                       | N.D.                    |
| 2-Chloroethylvinyl ether  | 10                       | N.D.                    |
| Chloroform                | 5.0                      | N.D.                    |
| Chloromethane             | 10                       | N.D.                    |
| Dibromochloromethane      | 5.0                      | N.D.                    |
| 1,2-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,3-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,4-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,1-Dichloroethane        | 5.0                      | N.D.                    |
| 1,2-Dichloroethane        | 5.0                      | N.D.                    |
| 1,1-Dichloroethene        | 5.0                      | N.D.                    |
| cis-1,2-Dichloroethene    | 5.0                      | N.D.                    |
| trans-1,2-Dichloroethene  | 5.0                      | N.D.                    |
| 1,2-Dichloropropane       | 5.0                      | N.D.                    |
| cis-1,3-Dichloropropene   | 5.0                      | N.D.                    |
| trans-1,3-Dichloropropene | 5.0                      | N.D.                    |
| Methylene chloride        | 50                       | N.D.                    |
| 1,1,2,2-Tetrachloroethane | 5.0                      | N.D.                    |
| Tetrachloroethene         | 5.0                      | N.D.                    |
| 1,1,1-Trichloroethane     | 5.0                      | N.D.                    |
| 1,1,2-Trichloroethane     | 5.0                      | N.D.                    |
| Trichloroethene           | 5.0                      | N.D.                    |
| Trichlorofluoromethane    | 5.0                      | N.D.                    |
| Vinyl chloride            | 10                       | N.D.                    |

| Surrogates               | Control Limits % | % Recovery |
|--------------------------|------------------|------------|
| 1-Chloro-2-fluorobenzene | 60               | 130        |
|                          |                  | 72         |

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

SEQUOIA ANALYTICAL - ELAP #1210

Eileen Manning  
Project Manager

Page:

3



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erier & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S1A/B COMP  
Matrix: SOLID  
Analysis Method: EPA 8100  
Lab Number: 9503922-01

Sampled: 03/09/95  
Received: 03/09/95  
Extracted: 03/20/95  
Analyzed: 03/21/95  
Reported: 03/23/95

COC Number:

QC Batch Number: GC0320958100EXA

Instrument ID: GCHP11

### Polynuclear Aromatic Hydrocarbons (EPA 8100)

| Analyte                | Detection Limit<br>ug/Kg                    | Sample Results<br>ug/Kg |
|------------------------|---------------------------------------------|-------------------------|
| Acenaphthene           | 1300                                        | N.D.                    |
| Acenaphthylene         | 1300                                        | N.D.                    |
| Anthracene             | 1300                                        | N.D.                    |
| Benzo(a)anthracene     | 1300                                        | N.D.                    |
| Benzo(a)pyrene         | 1300                                        | N.D.                    |
| Benzo(b)fluoranthene   | 1300                                        | N.D.                    |
| Benzo(g,h,i)perylene   | 1300                                        | N.D.                    |
| Benzo(k)fluoranthene   | 1300                                        | N.D.                    |
| Chrysene               | 1300                                        | N.D.                    |
| Dibenzo(a,h)anthracene | 1300                                        | N.D.                    |
| Fluoranthene           | 1300                                        | N.D.                    |
| Fluorene               | 1300                                        | N.D.                    |
| Indeno(1,2,3-cd)pyrene | 1300                                        | N.D.                    |
| Naphthalene            | 1300                                        | N.D.                    |
| Phenanthrene           | 1300                                        | N.D.                    |
| Pyrene                 | 1300                                        | N.D.                    |
| Surrogates             |                                             |                         |
| 2-Fluorobiphenyl       | Control Limits %<br>50                  150 | % Recovery<br>65        |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page: 4



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S1A/B COMP  
Matrix: SOLID  
Analysis Method: EPA 6010  
Lab Number: 9503922-01

Sampled: 03/09/95  
Received: 03/09/95  
Extracted: 03/21/95  
Analyzed: 03/21/95  
Reported: 03/23/95

COC Number:  
QC Batch Number: ME0321956010MDE

Instrument ID: MTJA2

| Analyte      | Detection Limit<br>mg/Kg | Sample Results<br>mg/Kg |
|--------------|--------------------------|-------------------------|
| Arsenic, As  | 5.0                      | N.D.                    |
| Chromium, Cr | 0.50                     | 19                      |
| Lead, Pb     | 5.0                      | 55                      |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

5



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S1A/B COMP  
Matrix: SOLID  
Analysis Method: EPA 8080  
Lab Number: 9503922-01

Sampled: 03/09/95  
Received: 03/09/95  
Extracted: 03/15/95  
Analyzed: 03/16/95  
Reported: 03/23/95

COC Number:  
QC Batch Number: GC0314950PCBEXB

Instrument ID: GCPE5

**Polychlorinated Biphenyls (EPA 8080)**

| Analyte             | Detection Limit<br>ug/Kg                      | Sample Results<br>ug/Kg |
|---------------------|-----------------------------------------------|-------------------------|
| PCB-1016            | 20                                            | N.D.                    |
| PCB-1221            | 80                                            | N.D.                    |
| PCB-1232            | 20                                            | N.D.                    |
| PCB-1242            | 20                                            | N.D.                    |
| PCB-1248            | 20                                            | N.D.                    |
| PCB-1254            | 20                                            | N.D.                    |
| PCB-1260            | 20                                            | N.D.                    |
| Surrogates          |                                               |                         |
| Dibutylchloroendate | Control Limits %<br>30                    150 | % Recovery<br>64        |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

6



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S2A/B COMP  
Matrix: SOLID  
Analysis Method: EPA 8010  
Lab Number: 9503922-02

Sampled: 03/09/95  
Received: 03/09/95  
Extracted: 03/17/95  
Analyzed: 03/20/95  
Reported: 03/23/95

COC Number:

QC Batch Number: GC0317958010EXA

Instrument ID: GCHP8

### Halogenated Volatile Organics (EPA 8010)

| Analyte                   | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|---------------------------|--------------------------|-------------------------|
| Bromodichloromethane      | 5.0                      | N.D.                    |
| Bromoform                 | 5.0                      | N.D.                    |
| Bromomethane              | 10                       | N.D.                    |
| Carbon Tetrachloride      | 5.0                      | N.D.                    |
| Chlorobenzene             | 5.0                      | N.D.                    |
| Chloroethane              | 10                       | N.D.                    |
| 2-Chloroethylvinyl ether  | 10                       | N.D.                    |
| Chloroform                | 5.0                      | N.D.                    |
| Chloromethane             | 10                       | N.D.                    |
| Dibromochloromethane      | 5.0                      | N.D.                    |
| 1,2-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,3-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,4-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,1-Dichloroethane        | 5.0                      | N.D.                    |
| 1,2-Dichloroethane        | 5.0                      | N.D.                    |
| 1,1-Dichloroethene        | 5.0                      | N.D.                    |
| cis-1,2-Dichloroethene    | 5.0                      | N.D.                    |
| trans-1,2-Dichloroethene  | 5.0                      | N.D.                    |
| 1,2-Dichloropropane       | 5.0                      | N.D.                    |
| cis-1,3-Dichloropropene   | 5.0                      | N.D.                    |
| trans-1,3-Dichloropropene | 5.0                      | N.D.                    |
| Methylene chloride        | 50                       | N.D.                    |
| 1,1,2,2-Tetrachloroethane | 5.0                      | N.D.                    |
| Tetrachloroethene         | 5.0                      | N.D.                    |
| 1,1,1-Trichloroethane     | 5.0                      | N.D.                    |
| 1,1,2-Trichloroethane     | 5.0                      | N.D.                    |
| Trichloroethene           | 5.0                      | N.D.                    |
| Trichlorofluoromethane    | 5.0                      | N.D.                    |
| Vinyl chloride            | 10                       | N.D.                    |
| Surrogates                |                          |                         |
| 1-Chloro-2-fluorobenzene  | Control Limits %<br>60   | % Recovery<br>130       |
|                           |                          | 91                      |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

7



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S2A/B COMP  
Matrix: SOLID  
Analysis Method: EPA 8100  
Lab Number: 9503922-02

Sampled: 03/09/95  
Received: 03/09/95  
Extracted: 03/20/95  
Analyzed: 03/21/95  
Reported: 03/23/95

COC Number:

QC Batch Number: GC0320958100EXA

Instrument ID: GCHP11

### Polynuclear Aromatic Hydrocarbons (EPA 8100)

| Analyte                | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|------------------------|--------------------------|-------------------------|
| Acenaphthene           | 1300                     | N.D.                    |
| Acenaphthylene         | 1300                     | N.D.                    |
| Anthracene             | 1300                     | N.D.                    |
| Benzo(a)anthracene     | 1300                     | N.D.                    |
| Benzo(a)pyrene         | 1300                     | N.D.                    |
| Benzo(b)fluoranthene   | 1300                     | N.D.                    |
| Benzo(g,h,i)perylene   | 1300                     | N.D.                    |
| Benzo(k)fluoranthene   | 1300                     | N.D.                    |
| Chrysene               | 1300                     | N.D.                    |
| Dibenzo(a,h)anthracene | 1300                     | N.D.                    |
| Fluoranthene           | 1300                     | N.D.                    |
| Fluorene               | 1300                     | N.D.                    |
| Indeno(1,2,3-cd)pyrene | 1300                     | N.D.                    |
| Naphthalene            | 1300                     | N.D.                    |
| Phenanthrene           | 1300                     | N.D.                    |
| Pyrene                 | 1300                     | N.D.                    |

#### Surrogates

2-Fluorobiphenyl

Control Limits %

50                    150

% Recovery

63

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page: 8



Sequoia  
Analytical

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

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

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

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

**Erler & Kalinowski, Inc.**  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S2A/B COMP  
Matrix: SOLID  
Analysis Method: EPA 6010  
Lab Number: 9503922-02

Sampled: 03/09/95  
Received: 03/09/95  
Extracted: 03/21/95  
Analyzed: 03/21/95  
Reported: 03/23/95

**COC Number:**  
**QC Batch Number: ME0321956010MDE**

Instrument ID: MTJA2

## Analyte

**Detection Limit**  
mg/Kg

## **Sample Results**

## **Arsenic, As Chromium, Cr Lead, Pb**

5.0  
0.50  
5.0

N.D.  
19  
N.D.

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

~~SEQUOIA ANALYTICAL~~ - ELAP #1210

Eileen Manning  
Project Manager



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S2A/B COMP  
Matrix: SOLID  
Analysis Method: EPA 8080  
Lab Number: 9503922-02

Sampled: 03/09/95  
Received: 03/09/95  
Extracted: 03/15/95  
Analyzed: 03/16/95  
Reported: 03/23/95

COC Number:  
QC Batch Number: GC0314950PCBEXB

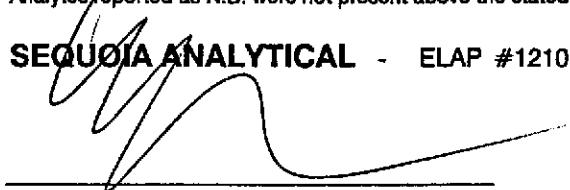
Instrument ID: GCPE5

**Polychlorinated Biphenyls (EPA 8080)**

| Analyte               | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|-----------------------|--------------------------|-------------------------|
| PCB-1016              | 20                       | N.D.                    |
| PCB-1221              | 80                       | N.D.                    |
| PCB-1232              | 20                       | N.D.                    |
| PCB-1242              | 20                       | N.D.                    |
| PCB-1248              | 20                       | N.D.                    |
| PCB-1254              | 20                       | N.D.                    |
| PCB-1260              | 20                       | N.D.                    |
| Surrogates            |                          | Control Limits %        |
| Dibutylchlorobiphenyl |                          | 30                  150 |
|                       |                          | % Recovery<br>57        |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

  
Eileen Manning  
Project Manager

Page:

10



**Sequoia  
Analytical**

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

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

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

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

Erier & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S4A/B COMP  
Matrix: SOLID  
Analysis Method: EPA 8010  
Lab Number: 9503922-03

Sampled: 03/09/95  
Received: 03/09/95  
Extracted: 03/17/95  
Analyzed: 03/20/95  
Reported: 03/23/95

COC Number:  
QC Batch Number: GC0317958010EXA

Instrument ID: GCHP8

### **Halogenated Volatile Organics (EPA 8010)**

| Analyte                   | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|---------------------------|--------------------------|-------------------------|
| Bromodichloromethane      | 5.0                      | N.D.                    |
| Bromoform                 | 5.0                      | N.D.                    |
| Bromomethane              | 10                       | N.D.                    |
| Carbon Tetrachloride      | 5.0                      | N.D.                    |
| Chlorobenzene             | 5.0                      | N.D.                    |
| Chloroethane              | 10                       | N.D.                    |
| 2-Chloroethylvinyl ether  | 10                       | N.D.                    |
| Chloroform                | 5.0                      | N.D.                    |
| Chloromethane             | 10                       | N.D.                    |
| Dibromochloromethane      | 5.0                      | N.D.                    |
| 1,2-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,3-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,4-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,1-Dichloroethane        | 5.0                      | N.D.                    |
| 1,2-Dichloroethane        | 5.0                      | N.D.                    |
| 1,1-Dichloroethene        | 5.0                      | N.D.                    |
| cis-1,2-Dichloroethene    | 5.0                      | N.D.                    |
| trans-1,2-Dichloroethene  | 5.0                      | N.D.                    |
| 1,2-Dichloropropane       | 5.0                      | N.D.                    |
| cis-1,3-Dichloropropene   | 5.0                      | N.D.                    |
| trans-1,3-Dichloropropene | 5.0                      | N.D.                    |
| Methylene chloride        | 50                       | N.D.                    |
| 1,1,2,2-Tetrachloroethane | 5.0                      | N.D.                    |
| Tetrachloroethene         | 5.0                      | N.D.                    |
| 1,1,1-Trichloroethane     | 5.0                      | N.D.                    |
| 1,1,2-Trichloroethane     | 5.0                      | N.D.                    |
| Trichloroethene           | 5.0                      | N.D.                    |
| Trichlorofluoromethane    | 5.0                      | N.D.                    |
| Vinyl chloride            | 10                       | N.D.                    |
|                           |                          |                         |
| <b>Surrogates</b>         | <b>Control Limits %</b>  | <b>% Recovery</b>       |
| 1-Chloro-2-fluorobenzene  | 60                       | 130                     |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S4A/B COMP  
Matrix: SOLID  
Analysis Method: EPA 8100  
Lab Number: 9503922-03

Sampled: 03/09/95  
Received: 03/09/95  
Extracted: 03/20/95  
Analyzed: 03/21/95  
Reported: 03/23/95

COC Number:

QC Batch Number: GC0320958100EXA

Instrument ID: GCHP11

### Polynuclear Aromatic Hydrocarbons (EPA 8100)

| Analyte                | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|------------------------|--------------------------|-------------------------|
| Acenaphthene           | 1300                     | N.D.                    |
| Acenaphthylene         | 1300                     | N.D.                    |
| Anthracene             | 1300                     | N.D.                    |
| Benzo(a)anthracene     | 1300                     | N.D.                    |
| Benzo(a)pyrene         | 1300                     | N.D.                    |
| Benzo(b)fluoranthene   | 1300                     | N.D.                    |
| Benzo(g,h,i)perylene   | 1300                     | N.D.                    |
| Benzo(k)fluoranthene   | 1300                     | N.D.                    |
| Chrysene               | 1300                     | N.D.                    |
| Dibenzo(a,h)anthracene | 1300                     | N.D.                    |
| Fluoranthene           | 1300                     | N.D.                    |
| Fluorene               | 1300                     | N.D.                    |
| Indeno(1,2,3-cd)pyrene | 1300                     | N.D.                    |
| Naphthalene            | 1300                     | N.D.                    |
| Phenanthrene           | 1300                     | N.D.                    |
| Pyrene                 | 1300                     | N.D.                    |

| Surrogates       | Control Limits % | % Recovery |
|------------------|------------------|------------|
| 2-Fluorobiphenyl | 50      150      | 73         |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

12



# Sequoia Analytical

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S4A/B COMP  
Matrix: SOLID  
Analysis Method: EPA 6010  
Lab Number: 9503922-03

Sampled: 03/09/95  
Received: 03/09/95  
Extracted: 03/21/95  
Analyzed: 03/21/95  
Reported: 03/23/95

COC Number:  
QC Batch Number: ME0321956010MDE

Instrument ID: MTJA2

| Analyte      | Detection Limit<br>mg/Kg | Sample Results<br>mg/Kg |
|--------------|--------------------------|-------------------------|
| Arsenic, As  | .....                    | N.D.                    |
| Chromium, Cr | 0.50                     | 23                      |
| Lead, Pb     | 5.0                      | 29                      |

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

SEQUOIA ANALYTICAL - ELAP #1210

Eileen Manning  
Project Manager

Page: 13



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S4A/B COMP  
Matrix: SOLID  
Analysis Method: EPA 8080  
Lab Number: 9503922-03

Sampled: 03/09/95  
Received: 03/09/95  
Extracted: 03/15/95  
Analyzed: 03/21/95  
Reported: 03/23/95

COC Number:  
QC Batch Number: GC0314950PCBEXB

Instrument ID: GCHP12

**Polychlorinated Biphenyls (EPA 8080)**

| Analyte            | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|--------------------|--------------------------|-------------------------|
| PCB-1016           | 20                       | N.D.                    |
| PCB-1221           | 80                       | N.D.                    |
| PCB-1232           | 20                       | N.D.                    |
| PCB-1242           | 20                       | N.D.                    |
| PCB-1248           | 20                       | N.D.                    |
| PCB-1254           | 20                       | N.D.                    |
| PCB-1260           | 20                       | N.D.                    |
| Surrogates         |                          | Control Limits %        |
| Dibutylchlorendate |                          | 30 150                  |
|                    |                          | % Recovery              |
|                    |                          | 62                      |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

14



Sequoia  
Analytical

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S3A/B COMP  
Matrix: SOLID  
Analysis Method: EPA 8010  
Lab Number: 9503922-04

Sampled: 03/09/95  
Received: 03/09/95  
Extracted: 03/17/95  
Analyzed: 03/20/95  
Reported: 03/23/95

COC Number:  
QC Batch Number: GC0317958010EXA

Instrument ID: GCHP9

### Halogenated Volatile Organics (EPA 8010)

| Analyte                   | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|---------------------------|--------------------------|-------------------------|
| Bromodichloromethane      | 5.0                      | N.D.                    |
| Bromoform                 | 5.0                      | N.D.                    |
| Bromomethane              | 10                       | N.D.                    |
| Carbon Tetrachloride      | 5.0                      | N.D.                    |
| Chlorobenzene             | 5.0                      | N.D.                    |
| Chloroethane              | 10                       | N.D.                    |
| 2-Chloroethylvinyl ether  | 10                       | N.D.                    |
| Chloroform                | 5.0                      | N.D.                    |
| Chloromethane             | 10                       | N.D.                    |
| Dibromochloromethane      | 5.0                      | N.D.                    |
| 1,2-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,3-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,4-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,1-Dichloroethane        | 5.0                      | N.D.                    |
| 1,2-Dichloroethane        | 5.0                      | N.D.                    |
| 1,1-Dichloroethene        | 5.0                      | N.D.                    |
| cis-1,2-Dichloroethene    | 5.0                      | N.D.                    |
| trans-1,2-Dichloroethene  | 5.0                      | N.D.                    |
| 1,2-Dichloropropane       | 5.0                      | N.D.                    |
| cis-1,3-Dichloropropene   | 5.0                      | N.D.                    |
| trans-1,3-Dichloropropene | 5.0                      | N.D.                    |
| Methylene chloride        | 50                       | N.D.                    |
| 1,1,2,2-Tetrachloroethane | 5.0                      | N.D.                    |
| Tetrachloroethene         | 5.0                      | N.D.                    |
| 1,1,1-Trichloroethane     | 5.0                      | N.D.                    |
| 1,1,2-Trichloroethane     | 5.0                      | N.D.                    |
| Trichloroethene           | 5.0                      | N.D.                    |
| Trichlorofluoromethane    | 5.0                      | N.D.                    |
| Vinyl chloride            | 10                       | N.D.                    |
|                           |                          |                         |
| Surrogates                | Control Limits %         |                         |
| 1-Chloro-2-fluorobenzene  | 60                       | 130                     |
|                           | % Recovery               |                         |
|                           | 87                       |                         |

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

SEQUOIA ANALYTICAL - ELAP #1210

Eileen Manning  
Project Manager

Page:

15



**Sequoia  
Analytical**

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Eter & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S3A/B COMP  
Matrix: SOLID  
Analysis Method: EPA 8100  
Lab Number: 9503922-04

Sampled: 03/09/95  
Received: 03/09/95  
Extracted: 03/20/95  
Analyzed: 03/21/95  
Reported: 03/23/95

COC Number:

QC Batch Number: GC0320958100EXA

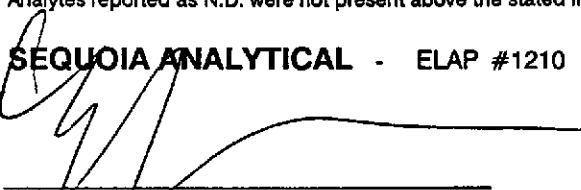
Instrument ID: GCHP11

**Polynuclear Aromatic Hydrocarbons (EPA 8100)**

| Analyte                | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|------------------------|--------------------------|-------------------------|
| Acenaphthene           | 1300                     | N.D.                    |
| Acenaphthylene         | 1300                     | N.D.                    |
| Anthracene             | 1300                     | N.D.                    |
| Benzo(a)anthracene     | 1300                     | N.D.                    |
| Benzo(a)pyrene         | 1300                     | N.D.                    |
| Benzo(b)fluoranthene   | 1300                     | N.D.                    |
| Benzo(g,h,i)perylene   | 1300                     | N.D.                    |
| Benzo(k)fluoranthene   | 1300                     | N.D.                    |
| Chrysene               | 1300                     | N.D.                    |
| Dibenzo(a,h)anthracene | 1300                     | N.D.                    |
| Fluoranthene           | 1300                     | N.D.                    |
| Fluorene               | 1300                     | N.D.                    |
| Indeno(1,2,3-cd)pyrene | 1300                     | N.D.                    |
| Naphthalene            | 1300                     | N.D.                    |
| Phenanthrene           | 1300                     | N.D.                    |
| Pyrene                 | 1300                     | N.D.                    |
|                        |                          |                         |
| <b>Surrogates</b>      | <b>Control Limits %</b>  |                         |
| 2-Fluorobiphenyl       | 50                       | 150                     |
|                        | <b>% Recovery</b>        |                         |
|                        | 88                       |                         |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

  
Eileen Manning  
Project Manager

Page:

16



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S3A/B COMP  
Matrix: SOLID  
Analysis Method: EPA 6010  
Lab Number: 9503922-04

Sampled: 03/09/95  
Received: 03/09/95  
Extracted: 03/21/95  
Analyzed: 03/21/95  
Reported: 04/19/95

COC Number:  
QC Batch Number: ME0321956010MDE

Instrument ID: MTJA2

| Analyte      | Detection Limit<br>mg/Kg | Sample Results<br>mg/Kg |
|--------------|--------------------------|-------------------------|
| Arsenic, As  | 50                       | N.D.                    |
| Chromium, Cr | 5.0                      | 22                      |
| Lead, Pb     | 50                       | 12                      |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

17





**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: S3A/B COMP  
Matrix: SOLID  
Analysis Method: EPA 8080  
Lab Number: 9503922-04

Sampled: 03/09/95  
Received: 03/09/95  
Extracted: 03/15/95  
Analyzed: 03/21/95  
Reported: 03/23/95

COC Number:  
QC Batch Number: GC0314950PCBEXB

Instrument ID: GCHP12

### Polychlorinated Biphenyls (EPA 8080)

| Analyte             | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|---------------------|--------------------------|-------------------------|
| PCB-1016            | 20                       | N.D.                    |
| PCB-1221            | 80                       | N.D.                    |
| PCB-1232            | 20                       | N.D.                    |
| PCB-1242            | 20                       | N.D.                    |
| PCB-1248            | 20                       | N.D.                    |
| PCB-1254            | 20                       | N.D.                    |
| PCB-1260            | 20                       | N.D.                    |
| Surrogates          |                          | Control Limits %        |
| Dibutylchloroendate |                          | 30 150                  |
|                     |                          | % Recovery              |
|                     |                          | 57                      |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

18



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

COC Number:  
QC Batch Number: GC0314950PCBEXB

Client Proj. ID: 940018.00, Sybase  
Sample Descript: Method Blank  
Matrix: SOLID  
Analysis Method: EPA 8080  
Lab Number: 9503922-05

Sampled:  
Received: 03/09/95  
Extracted: 03/15/95  
Analyzed: 03/16/95  
Reported: 03/23/95

Instrument ID: GCPE5

### Polychlorinated Biphenyls (EPA 8080)

| Analyte            | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|--------------------|--------------------------|-------------------------|
| PCB-1016           | 20                       | N.D.                    |
| PCB-1221           | 80                       | N.D.                    |
| PCB-1232           | 20                       | N.D.                    |
| PCB-1242           | 20                       | N.D.                    |
| PCB-1248           | 20                       | N.D.                    |
| PCB-1254           | 20                       | N.D.                    |
| PCB-1260           | 20                       | N.D.                    |
| Surrogates         |                          | Control Limits %        |
| Dibutylchlorendate |                          | 30      150             |
|                    |                          | % Recovery<br>78        |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager



**Sequoia  
Analytical**

|                             |                        |                |                    |
|-----------------------------|------------------------|----------------|--------------------|
| 680 Chesapeake Drive        | Redwood City, CA 94063 | (415) 364-9600 | FAX (415) 364-9233 |
| 404 N. Wiget Lane           | Walnut Creek, CA 94598 | (510) 988-9600 | FAX (510) 988-9673 |
| 819 Striker Avenue, Suite 8 | Sacramento, CA 95834   | (916) 921-9600 | FAX (916) 921-0100 |

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffer

Client Proj. ID: 940018.00, Sybase  
Sample Descript: Method Blank  
Matrix: SOLID  
Analysis Method: EPA 8010  
Lab Number: 9503922-05

Sampled:  
Received: 03/09/95  
Extracted: 03/17/95  
Analyzed: 03/19/95  
Reported: 03/23/95

COC Number:

QC Batch Number: GC031795801008A

Instrument ID: GCHP8

### Halogenated Volatile Organics (EPA 8010)

| Analyte                   | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|---------------------------|--------------------------|-------------------------|
| Bromodichloromethane      | 5.0                      | N.D.                    |
| Bromoform                 | 5.0                      | N.D.                    |
| Bromomethane              | 10                       | N.D.                    |
| Carbon Tetrachloride      | 5.0                      | N.D.                    |
| Chlorobenzene             | 5.0                      | N.D.                    |
| Chloroethane              | 10                       | N.D.                    |
| 2-Chloroethylvinyl ether  | 10                       | N.D.                    |
| Chloroform                | 5.0                      | N.D.                    |
| Chloromethane             | 10                       | N.D.                    |
| Dibromochloromethane      | 5.0                      | N.D.                    |
| 1,2-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,3-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,4-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,1-Dichloroethane        | 5.0                      | N.D.                    |
| 1,2-Dichloroethane        | 5.0                      | N.D.                    |
| 1,1-Dichloroethene        | 5.0                      | N.D.                    |
| cis-1,2-Dichloroethene    | 5.0                      | N.D.                    |
| trans-1,2-Dichloroethene  | 5.0                      | N.D.                    |
| 1,2-Dichloropropane       | 5.0                      | N.D.                    |
| cis-1,3-Dichloropropene   | 5.0                      | N.D.                    |
| trans-1,3-Dichloropropene | 5.0                      | N.D.                    |
| Methylene chloride        | 50                       | N.D.                    |
| 1,1,2,2-Tetrachloroethane | 5.0                      | N.D.                    |
| Tetrachloroethene         | 5.0                      | N.D.                    |
| 1,1,1-Trichloroethane     | 5.0                      | N.D.                    |
| 1,1,2-Trichloroethane     | 5.0                      | N.D.                    |
| Trichloroethene           | 5.0                      | N.D.                    |
| Trichlorofluoromethane    | 5.0                      | N.D.                    |
| Vinyl chloride            | 10                       | N.D.                    |

| Surrogates               | Control Limits % | % Recovery |
|--------------------------|------------------|------------|
| 1-Chloro-2-fluorobenzene | 60      130      | 90         |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

20



Sequoia  
Analytical

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: Method Blank  
Matrix: SOLID  
Analysis Method: EPA 8100  
Lab Number: 9503922-05

Sampled:  
Received: 03/09/95  
Extracted: 03/20/95  
Analyzed: 03/21/95  
Reported: 03/23/95

COC Number:  
QC Batch Number: GC0320958100EXA

Instrument ID: GCHP11

### Polynuclear Aromatic Hydrocarbons (EPA 8100)

| Analyte                | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|------------------------|--------------------------|-------------------------|
| Acenaphthene           | 250                      | N.D.                    |
| Acenaphthylene         | 250                      | N.D.                    |
| Anthracene             | 250                      | N.D.                    |
| Benzo(a)anthracene     | 250                      | N.D.                    |
| Benzo(a)pyrene         | 250                      | N.D.                    |
| Benzo(b)fluoranthene   | 250                      | N.D.                    |
| Benzo(g,h,i)perylene   | 250                      | N.D.                    |
| Benzo(k)fluoranthene   | 250                      | N.D.                    |
| Chrysene               | 250                      | N.D.                    |
| Dibenzo(a,h)anthracene | 250                      | N.D.                    |
| Fluoranthene           | 250                      | N.D.                    |
| Fluorene               | 250                      | N.D.                    |
| Indeno(1,2,3-cd)pyrene | 250                      | N.D.                    |
| Naphthalene            | 250                      | N.D.                    |
| Phenanthrene           | 250                      | N.D.                    |
| Pyrene                 | 250                      | N.D.                    |
| Surrogates             |                          | Control Limits %        |
| 2-Fluorobiphenyl       | 50 150                   | % Recovery<br>72        |

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

SEQUOIA ANALYTICAL - ELAP #1210

Eileen Manning  
Project Manager

Page: 21



**Sequoia  
Analytical**

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

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

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

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

Erier & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: Method Blank  
Matrix: SOLID  
Analysis Method: EPA 6010  
Lab Number: 9503922-05

Sampled:  
Received: 03/09/95  
Extracted: 03/21/95  
Analyzed: 03/21/95  
Reported: 03/23/95

COC Number:  
QC Batch Number: ME0321956010MDE

Instrument ID: MTJA2

| Analyte      | Detection Limit<br>mg/Kg | Sample Results<br>mg/Kg |
|--------------|--------------------------|-------------------------|
| Arsenic, As  | 5.0                      | N.D.                    |
| Chromium, Cr | 0.50                     | N.D.                    |
| Lead, Pb     | 5.0                      | N.D.                    |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

22



Sequoia  
Analytical

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

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

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

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

Erier & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: Method Blank  
Matrix: SOLID  
Analysis Method: EPA 8010  
Lab Number: 9503922-06

Sampled:  
Received: 03/09/95  
Extracted: 03/17/95  
Analyzed: 03/20/95  
Reported: 03/23/95

COC Number:  
QC Batch Number: GC031795801008A

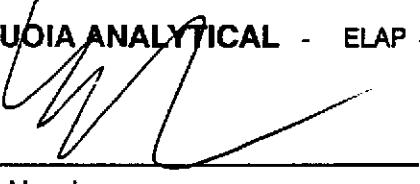
Instrument ID: GCHP8

### Halogenated Volatile Organics (EPA 8010)

| Analyte                   | Detection Limit<br>ug/Kg | Sample Results<br>ug/Kg |
|---------------------------|--------------------------|-------------------------|
| Bromodichloromethane      | 5.0                      | N.D.                    |
| Bromoform                 | 5.0                      | N.D.                    |
| Bromomethane              | 10                       | N.D.                    |
| Carbon Tetrachloride      | 5.0                      | N.D.                    |
| Chlorobenzene             | 5.0                      | N.D.                    |
| Chloroethane              | 10                       | N.D.                    |
| 2-Chloroethylvinyl ether  | 10                       | N.D.                    |
| Chloroform                | 5.0                      | N.D.                    |
| Chloromethane             | 10                       | N.D.                    |
| Dibromochloromethane      | 5.0                      | N.D.                    |
| 1,2-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,3-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,4-Dichlorobenzene       | 5.0                      | N.D.                    |
| 1,1-Dichloroethane        | 5.0                      | N.D.                    |
| 1,2-Dichloroethane        | 5.0                      | N.D.                    |
| 1,1-Dichloroethene        | 5.0                      | N.D.                    |
| cis-1,2-Dichloroethene    | 5.0                      | N.D.                    |
| trans-1,2-Dichloroethene  | 5.0                      | N.D.                    |
| 1,2-Dichloropropane       | 5.0                      | N.D.                    |
| cis-1,3-Dichloropropene   | 5.0                      | N.D.                    |
| trans-1,3-Dichloropropene | 5.0                      | N.D.                    |
| Methylene chloride        | 50                       | N.D.                    |
| 1,1,2,2-Tetrachloroethane | 5.0                      | N.D.                    |
| Tetrachloroethene         | 5.0                      | N.D.                    |
| 1,1,1-Trichloroethane     | 5.0                      | N.D.                    |
| 1,1,2-Trichloroethane     | 5.0                      | N.D.                    |
| Trichloroethene           | 5.0                      | N.D.                    |
| Trichlorofluoromethane    | 5.0                      | N.D.                    |
| Vinyl chloride            | 10                       | N.D.                    |
|                           |                          |                         |
| <b>Surrogates</b>         | <b>Control Limits %</b>  |                         |
| 1-Chloro-2-fluorobenzene  | 60                       | 130                     |
| <b>% Recovery</b>         |                          |                         |
|                           |                          | 97                      |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

  
Eileen Manning  
Project Manager



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
Matrix: SOLID  
Sample Descript: S1A/B COMP.  
Work Order #: 9503922 01-05

Reported: Mar 23, 1995

## QUALITY CONTROL DATA REPORT

**Analyte:** TRPH (EPA 418.1)

**QC Batch#:** IN0321954181FTB

**Analy. Method:** EPA 418.1

**Prep. Method:** EPA 418.1

**Analyst:** D. Williams

**MS/MSD #:** 9503922-01-MSD

**Sample Conc.:** 17

**Prepared Date:** 3/21/95

**Analyzed Date:** 3/21/95

**Instrument I.D. #:** FTIR1

**Conc. Spiked:** 230 mg/Kg

**Result:** 220

**MS % Recovery:** 88

**Dup. Result:** 240

**MSD % Recov.:** 97

**RPD:** 8.6

**RPD Limit:** 0-30

**LCS #:**

**Prepared Date:**

**Analyzed Date:**

**Instrument I.D. #:**

**Conc. Spiked:**

**LCS Result:**

**LCS % Recov.:**

**MS/MSD**  
**LCS**      60-140  
**Control Limits**

Please Note:

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

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

9503922.ERL ~ 1>

Eileen A. Manning  
Project Manager



**Sequoia  
Analytical**

|                                                                          |                                                                          |                                                    |                                                                |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|
| 680 Chesapeake Drive<br>404 N. Wiget Lane<br>819 Striker Avenue, Suite 8 | Redwood City, CA 94063<br>Walnut Creek, CA 94598<br>Sacramento, CA 95834 | (415) 364-9600<br>(510) 988-9600<br>(916) 921-9600 | FAX (415) 364-9233<br>FAX (510) 988-9673<br>FAX (916) 921-0100 |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|

Erler & Kalinowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
Matrix: SOLID  
Sample Descript: S1A-B COMP.  
Work Order #: 9503922 01-05

Reported: Mar 23, 1995

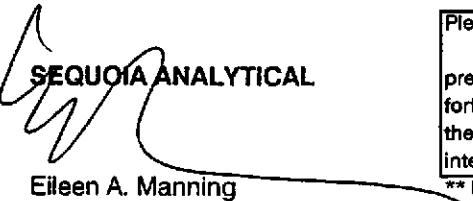
## QUALITY CONTROL DATA REPORT

|                |                     |                  |                 |
|----------------|---------------------|------------------|-----------------|
| Analyte:       | 1,1-Dichloro-ethene | Trichloro-ethene | Chloro-benzene  |
| QC Batch#:     | GC0317958010EXA     | GC0317958010EXA  | GC0317958010EXA |
| Analy. Method: | EPA 8010            | EPA 8010         | EPA 8010        |
| Prep. Method:  | EPA 5030            | EPA 5030         | EPA 5030        |

|                    |                |                |                |
|--------------------|----------------|----------------|----------------|
| Analyst:           | J. Miller      | J. Miller      | J. Miller      |
| MS/MSD #:          | 9503922-01-MSD | 9503922-01-MSD | 9503922-01-MSD |
| Sample Conc.:      | N.D.           | N.D.           | N.D.           |
| Prepared Date:     | 3/17/95        | 3/17/95        | 3/17/95        |
| Analyzed Date:     | 3/19/95        | 3/19/95        | 3/19/95        |
| Instrument I.D. #: | GCHP8          | GCHP8          | GCHP8          |
| Conc. Spiked:      | 25 µg/Kg       | 25 µg/Kg       | 25 µg/Kg       |
| Result:            | N.D.           | 11             | 14             |
| MS % Recovery:     | 0.0            | 44             | 56             |
| Dup. Result:       | 22             | 14             | 19             |
| MSD % Recov.:      | 88             | 56             | 76             |
| RPD:               | 200            | 24             | 30             |
| RPD Limit:         | 0-50           | 0-50           | 0-50           |

|                    |               |               |              |
|--------------------|---------------|---------------|--------------|
| LCS #:             | LCS031795-LCS | LCS031795-LCS | CS031795-LCS |
| Prepared Date:     | 3/17/95       | 3/17/95       | 3/17/95      |
| Analyzed Date:     | 3/18/95       | 3/18/95       | 3/18/95      |
| Instrument I.D. #: | GCHP8         | GCHP8         | GCHP8        |
| Conc. Spiked:      | 25 ug/Kg      | 25 ug/Kg      | 25 ug/Kg     |
| LCS Result:        | 23            | 24            | 19           |
| LCS % Recov.:      | 92            | 96            | 76           |

|                                 |        |        |        |
|---------------------------------|--------|--------|--------|
| MS/MSD<br>LCS<br>Control Limits | 28-167 | 35-146 | 38-150 |
|---------------------------------|--------|--------|--------|

  
**SEQUOIA ANALYTICAL**

Eileen A. Manning  
Project Manager

Please Note:

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

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

9503922.ERL <2>



**Sequoia  
Analytical**

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
Matrix: SOLID  
Sample Descript: S1A-B COMP.  
Work Order #: 9503922 01-05

Reported: Mar 23, 1995

### QUALITY CONTROL DATA REPORT

| Analyte:        | Naphthalene     | Acenaphthene    | Pyrene          |
|-----------------|-----------------|-----------------|-----------------|
| QC Batch#:      | GC0320958100EXA | GC0320958100EXA | GC0320958100EXA |
| Analyt. Method: | EPA 8100        | EPA 8100        | EPA 8100        |
| Prep. Method:   | EPA 3550        | EPA 3550        | EPA 3550        |

|                    |                |                |                |
|--------------------|----------------|----------------|----------------|
| Analyst:           | L. Haar        | L. Haar        | L. Haar        |
| MS/MSD #:          | 9503922-01-MSD | 9503685-01-MSD | 9503685-01-MSD |
| Sample Conc.:      | N.D.           | N.D.           | N.D.           |
| Prepared Date:     | 3/20/95        | 03/15/95       | 03/15/95       |
| Analyzed Date:     | 3/21/95        | 03/16/95       | 03/16/95       |
| Instrument I.D. #: | GCHP11         | GCHP11         | GCHP11         |
| Conc. Spiked:      | 50 mg/L        | 50 mg/L        | 50 mg/L        |
| Result:            | 52             | 53             | 56             |
| MS % Recovery:     | 104            | 106            | 112            |
| Dup. Result:       | 46             | 48             | 49             |
| MSD % Recov.:      | 92             | 96             | 98             |
| RPD:               | 12             | 9.9            | 13             |
| RPD Limit:         | 0-50           | 0-50           | 0-50           |

LCS #:

Prepared Date:  
Analyzed Date:  
Instrument I.D. #:  
Conc. Spiked:

LCS Result:  
LCS % Recov.:

| MS/MSD             | DL-124 | DL-124 | DL-140 |
|--------------------|--------|--------|--------|
| LCS Control Limits |        |        |        |

Please Note:

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

*Sequoia Analytical*

Eileen A. Manning  
Project Manager

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

9503922.ERL <3>



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
 404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
 819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erier & Kallnowski, Inc.  
 1730 So. Amphlett Blvd., Suite 320  
 San Mateo, CA 94402  
 Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
 Matrix: SOLID  
 Sample Descript: S1A/B COMP.  
 Work Order #: 9503922 01-05

Reported: Mar 23, 1995

## QUALITY CONTROL DATA REPORT

| Analyte:      | Beryllium       | Cadmium         | Chromium        | Nickel          |
|---------------|-----------------|-----------------|-----------------|-----------------|
| QC Batch#:    | ME0320956010MDE | ME0320956010MDE | ME0320956010MDE | ME0320956010MDE |
| Anal. Method: | EPA 6010        | EPA 6010        | EPA 6010        | EPA 6010        |
| Prep. Method: | EPA 3050        | EPA 3050        | EPA 3050        | EPA 3050        |

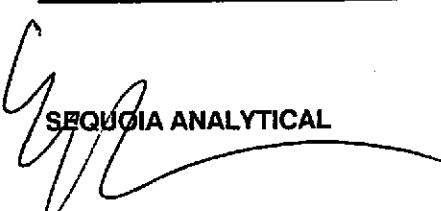
|                    |                |                |                |                |
|--------------------|----------------|----------------|----------------|----------------|
| Analyst:           | S.O'Donnell    | S.O'Donnell    | S.O'Donnell    | S.O'Donnell    |
| MS/MSD #:          | 9503922-01-MSD | 9503922-01-MSD | 9503922-01-MSD | 9503922-01-MSD |
| Sample Conc.:      | N.D.           | N.D.           | 19             | 20             |
| Prepared Date:     | 3/20/95        | 3/20/95        | 3/20/95        | 3/20/95        |
| Analyzed Date:     | 3/21/95        | 3/21/95        | 3/21/95        | 3/21/95        |
| Instrument I.D. #: | MTJA2          | MTJA2          | MTJA2          | MTJA2          |
| Conc. Spiked:      | 100 mg/Kg      | 100 mg/Kg      | 100 mg/Kg      | 100 mg/Kg      |
| Result:            | 100            | 99             | 130            | 130            |
| MS % Recovery:     | 100            | 96             | 111            | 110            |
| Dup. Result:       | 100            | 98             | 130            | 120            |
| MSD % Recov.:      | 100            | 98             | 111            | 100            |
| RPD:               | 0.0            | 1.0            | 0.0            | 8.0            |
| RPD Limit:         | 0-30           | 0-30           | 0-30           | 0-30           |

LCS #:

Prepared Date:  
 Analyzed Date:  
 Instrument I.D. #:  
 Conc. Spiked:

LCS Result:  
 LCS % Recov.:

| MS/MSD             | 75-125 | 75-125 | 75-125 | 75-125 |
|--------------------|--------|--------|--------|--------|
| LCS Control Limits |        |        |        |        |

  
**SEQUOIA ANALYTICAL**

Eileen A. Manning  
 Project Manager

Please Note:

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

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

9503922.ERL <4>



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erier & Kalinowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
Matrix: SOLID  
Sample Descript: MW4-8  
Work Order #: 9503922 01-05

Reported: Mar 23, 1995

## QUALITY CONTROL DATA REPORT

Analyte: PCB 1260

QC Batch#: GC0314950PCBEXB  
Analy. Method: EPA 8080  
Prep. Method: EPA 3550

Analyst: L Haar  
MS/MSD #: 9503685-01-MSD  
Sample Conc.: N.D.  
Prepared Date: 03/14/95  
Analyzed Date: 03/16/95  
Instrument I.D.#: GCPE5  
Conc. Spiked: 83 µg/Kg

Result: 70  
MS % Recovery: 84  
  
Dup. Result: 63  
MSD % Recov.: 76  
  
RPD: 11  
RPD Limit: 0-50

LCS #:

Prepared Date:  
Analyzed Date:  
Instrument I.D.#:  
Conc. Spiked:

LCS Result:  
LCS % Recov.:

|                |        |
|----------------|--------|
| MS/MSD         |        |
| LCS            | 30-150 |
| Control Limits |        |

*U*  
**SEQUOIA ANALYTICAL**

Eileen A. Manning  
Project Manager

Please Note:

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

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

9503922.ERL <5>

## CHAIN OF CUSTODY / SAMPLE ANALYSIS REQUEST

Erler &amp; Kalinowski, Inc.

Project Number: 940018.00

Project Name: SYBASE

Source of Samples: soil boring using FRED

Location: former Bruekers warehouse, Emeryville

9503922

Analytical Laboratory: Sequoia Analytical

Date Sampled: 9 March 1995

Sampled By: G. L. Clark

Report Results To: Paul Hoffey

Phone Number: 415) 578-1172

| Lab Sample ID | Field Sample ID | Sample Type | Number and Type of Containers | Time Collected | Analyses Requested (EPA Method Number)                             | Results Required By (Date/Time) |
|---------------|-----------------|-------------|-------------------------------|----------------|--------------------------------------------------------------------|---------------------------------|
| 1AB           | S1B             | soil        | 1-brass liner                 | 10:00          | composite in lab<br>5520, 8080, 8010, 8100, ICP Metals<br>SEE NOTE | Standard                        |
|               | S1A             | soil        | 1-brass liner                 | 10:25          |                                                                    | turn-around                     |
| 2             | *S2A            | soil        | 1-brass liner                 | 10:45          | composite in lab<br>5520, 8080, 8010, 8100, ICP Metals             |                                 |
|               | S2B             | soil        | 1-brass liner                 | 11:00          |                                                                    | time                            |
| 3             | *S4A            | soil        | 1-brass liner                 | 11:50          | composite in lab<br>5520, 8080, 8010, 8100, ICP Metals             |                                 |
|               | S4B             | soil        | 1-brass liner                 | 11:25          |                                                                    |                                 |
| 4AB           | *S3B            | soil        | 1-brass liner                 | 12:05          | composite in Lab<br>5520, 8080, 8010, 8100, ICP Metals             | ↓                               |
| *             | S3A             | soil        | 1-brass liner                 | 12:30          |                                                                    | ↓                               |
|               |                 |             |                               |                |                                                                    |                                 |
|               |                 |             |                               |                |                                                                    |                                 |
|               |                 |             |                               |                |                                                                    |                                 |

Special Instructions: → NOTE: Analyze all composite samples for TRPH (5520 CP mod.), PCBs (8080), VOCs (8010), PNAs (8100), and ICP Metals (arsenic, Lead, + chromium)

# samples have odor/sheen

Relinquished By:

Name / Signature / Affiliation

Gail L. Clark / Gail L. Clark

/EKI

Date

Time

Received By:

Name / Signature / Affiliation

M. J. Clark

3/9/95 15:27



Sequoia  
Analytical

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

# COPY

|                                                                                 |                                                             |                                                                |
|---------------------------------------------------------------------------------|-------------------------------------------------------------|----------------------------------------------------------------|
| Erler & Kalinowski, Inc.<br>1730 South Amphlett, Ste 320<br>San Mateo, CA 94402 | Client Proj. ID: 940018.00, Sybase<br>Lab Proj. ID: 9503I76 | Sampled: 03/23/95<br>Received: 03/23/95<br>Analyzed: see below |
| Attention: Paul Hoffey                                                          |                                                             | Reported: 04/06/95                                             |

## LABORATORY ANALYSIS

| Analyte                                         | Units | Date Analyzed | Detection Limit | Sample Results |
|-------------------------------------------------|-------|---------------|-----------------|----------------|
| Lab No: 9503I76-01<br>Sample Desc : LIQUID,MW-4 |       |               |                 |                |
| Arsenic                                         | mg/L  | 03/31/95      | 0.0050          | N.D.           |
| Chromium                                        | mg/L  | 03/31/95      | 0.010           | N.D.           |
| Lead                                            | mg/L  | 03/31/95      | 0.0050          | N.D.           |
| Lab No: 9503I76-02<br>Sample Desc : LIQUID,MW-3 |       |               |                 |                |
| Arsenic                                         | mg/L  | 03/31/95      | 0.0050          | 0.013          |
| Chromium                                        | mg/L  | 03/31/95      | 0.010           | N.D.           |
| Lead                                            | mg/L  | 03/31/95      | 0.0050          | N.D.           |
| Lab No: 9503I76-03<br>Sample Desc : LIQUID,MW-2 |       |               |                 |                |
| Arsenic                                         | mg/L  | 03/31/95      | 0.0050          | N.D.           |
| Chromium                                        | mg/L  | 03/31/95      | 0.010           | N.D.           |
| Lead                                            | mg/L  | 03/31/95      | 0.0050          | N.D.           |
| Lab No: 9503I76-04<br>Sample Desc : LIQUID,MW-1 |       |               |                 |                |
| Arsenic                                         | mg/L  | 03/31/95      | 0.0050          | N.D.           |
| Chromium                                        | mg/L  | 03/31/95      | 0.010           | N.D.           |
| Lead                                            | mg/L  | 03/31/95      | 0.0050          | N.D.           |

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

SEQUOIA ANALYTICAL - ELAP #1210

Eileen Manning  
Project Manager



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Client Proj. ID: 940018.00, Sybase  
Lab Proj. ID: 9503I76

Sampled:  
Received: 03/23/95  
Analyzed: see below

Attention: Paul Hoffey

Reported: 04/06/95

### LABORATORY ANALYSIS

| Analyte       | Units               | Date Analyzed | Detection Limit | Sample Results |
|---------------|---------------------|---------------|-----------------|----------------|
| Lab No:       | 9503I76-05          |               |                 |                |
| Sample Desc : | LIQUID,Method Blank |               |                 |                |
| Arsenic       | mg/L                | 03/31/95      | 0.0050          | N.D.           |
| Chromium      | mg/L                | 03/31/95      | 0.010           | N.D.           |
| Lead          | mg/L                | 03/31/95      | 0.0050          | N.D.           |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page: 2



Sequoia  
Analytical

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW-4  
Matrix: LIQUID  
Analysis Method: EPA 8010  
Lab Number: 9503176-01

Sampled: 03/23/95  
Received: 03/23/95  
  
Analyzed: 04/04/95  
Reported: 04/06/95

QC Batch Number: GC040495801016A  
Instrument ID: GCHP16

### Halogenated Volatile Organics (EPA 8010)

| Analyte                   | Detection Limit<br>ug/L | Sample Results<br>ug/L |
|---------------------------|-------------------------|------------------------|
| Bromodichloromethane      | 1.2                     | N.D.                   |
| Bromoform                 | 1.2                     | N.D.                   |
| Bromomethane              | 2.5                     | N.D.                   |
| Carbon Tetrachloride      | 1.2                     | N.D.                   |
| Chlorobenzene             | 1.2                     | N.D.                   |
| Chloroethane              | 2.5                     | N.D.                   |
| 2-Chloroethylvinyl ether  | 2.5                     | N.D.                   |
| Chloroform                | 1.2                     | N.D.                   |
| Chloromethane             | 2.5                     | N.D.                   |
| Dibromochloromethane      | 1.2                     | N.D.                   |
| 1,2-Dichlorobenzene       | 1.2                     | N.D.                   |
| 1,3-Dichlorobenzene       | 1.2                     | N.D.                   |
| 1,4-Dichlorobenzene       | 1.2                     | N.D.                   |
| 1,1-Dichloroethane        | 1.2                     | N.D.                   |
| 1,2-Dichloroethane        | 1.2                     | N.D.                   |
| 1,1-Dichloroethene        | 1.2                     | N.D.                   |
| cis-1,2-Dichloroethene    | 1.2                     | 28                     |
| trans-1,2-Dichloroethene  | 1.2                     | 16                     |
| 1,2-Dichloropropane       | 1.2                     | N.D.                   |
| cis-1,3-Dichloropropene   | 1.2                     | N.D.                   |
| trans-1,3-Dichloropropene | 1.2                     | N.D.                   |
| Methylene chloride        | 12                      | N.D.                   |
| 1,1,2,2-Tetrachloroethane | 1.2                     | N.D.                   |
| Tetrachloroethene         | 1.2                     | N.D.                   |
| 1,1,1-Trichloroethane     | 1.2                     | N.D.                   |
| 1,1,2-Trichloroethane     | 1.2                     | N.D.                   |
| Trichloroethene           | 1.2                     | 54                     |
| Trichlorofluoromethane    | 1.2                     | N.D.                   |
| Vinyl chloride            | 2.5                     | N.D.                   |
| Freon 113                 | 2.5                     | N.D.                   |
| Surrogates                |                         | Control Limits %       |
| 1-Chloro-2-fluorobenzene  | 70                      | 130                    |
| % Recovery                |                         | 80                     |

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

SEQUOIA ANALYTICAL - ELAP #1210

Eileen Manning  
Project Manager

Page:

3



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW-4  
Matrix: LIQUID  
Analysis Method: EPA 8100  
Lab Number: 9503I76-01

Sampled: 03/23/95  
Received: 03/23/95  
Extracted: 03/29/95  
Analyzed: 03/31/95  
Reported: 04/06/95

QC Batch Number: GC0329958100EXZ  
Instrument ID: GCHP11

### Polynuclear Aromatic Hydrocarbons (EPA 8100)

| Analyte                | Detection Limit<br>ug/L | Sample Results<br>ug/L |
|------------------------|-------------------------|------------------------|
| Acenaphthene           | 5.0                     | N.D.                   |
| Acenaphthylene         | 5.0                     | N.D.                   |
| Anthracene             | 5.0                     | N.D.                   |
| Benzo(a)anthracene     | 5.0                     | N.D.                   |
| Benzo(a)pyrene         | 5.0                     | N.D.                   |
| Benzo(b)fluoranthene   | 5.0                     | N.D.                   |
| Benzo(g,h,i)perylene   | 5.0                     | N.D.                   |
| Benzo(k)fluoranthene   | 5.0                     | N.D.                   |
| Chrysene               | 5.0                     | N.D.                   |
| Dibenzo(a,h)anthracene | 5.0                     | N.D.                   |
| Fluoranthene           | 5.0                     | N.D.                   |
| Fluorene               | 5.0                     | N.D.                   |
| Indeno(1,2,3-cd)pyrene | 5.0                     | N.D.                   |
| Naphthalene            | 5.0                     | N.D.                   |
| Phenanthrene           | 5.0                     | N.D.                   |
| Pyrene                 | 5.0                     | N.D.                   |

| Surrogates       | Control Limits % | % Recovery |
|------------------|------------------|------------|
| 2-Fluorobiphenyl | 50 150           | 78         |

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

**SEQUOIA ANALYTICAL - ELAP #t210**

Eileen Manning  
Project Manager

Page: 4



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW-4  
Matrix: LIQUID  
Analysis Method: EPA 8015 Mod  
Lab Number: 9503I76-01

Sampled: 03/23/95  
Received: 03/23/95  
Extracted: 03/29/95  
Analyzed: 04/01/95  
Reported: 04/06/95

QC Batch Number: GC0329950HBPEXZ  
Instrument ID: GCHP5A

### Fuel Fingerprint

| Analyte                  | Detection Limit<br>ug/L | Sample Results<br>ug/L |
|--------------------------|-------------------------|------------------------|
| Extractable Hydrocarbons | .....                   | .....                  |
| Chromatogram Pattern:    | 50                      | 190                    |
| Unidentified HC          | .....                   | C9-C24                 |
| Surrogates               | Control Limits %        | % Recovery             |
| n-Pentacosane (C25)      | 50      150             | 115                    |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

5



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW-4  
Matrix: LIQUID  
Analysis Method: EPA 8015 Mod  
Lab Number: 9503I76-01

Sampled: 03/23/95  
Received: 03/23/95  
  
Analyzed: 04/04/95  
Reported: 04/06/95

QC Batch Number: GC040495ISHSHSA  
Instrument ID: GCV1

### Industrial Solvents

| Analyte                | Detection Limit<br>mg/L | Sample Results<br>mg/L |
|------------------------|-------------------------|------------------------|
| Acetone                | 0.40                    | N.D.                   |
| Acetonitrile           | 1.0                     | N.D.                   |
| Benzene                | 0.020                   | N.D.                   |
| iso-Butanol            | 1.0                     | N.D.                   |
| n-Butanol              | 1.0                     | N.D.                   |
| sec-Butanol            | 1.0                     | N.D.                   |
| t-Butanol              | 0.50                    | N.D.                   |
| Carbon tetrachloride   | 0.20                    | N.D.                   |
| Chloroform             | 0.20                    | N.D.                   |
| Cyclohexane            | 0.040                   | N.D.                   |
| 1,2-Dichloroethane     | 0.20                    | N.D.                   |
| t-1,2-Dichloroethene   | 0.10                    | N.D.                   |
| Ethanol                | 1.0                     | N.D.                   |
| Ethyl acetate          | 0.20                    | N.D.                   |
| Ethyl benzene          | 0.020                   | N.D.                   |
| Ethyl ether            | 0.020                   | N.D.                   |
| Freon 113              | 0.20                    | N.D.                   |
| Hexane                 | 0.10                    | N.D.                   |
| Methanol               | 1.0                     | N.D.                   |
| Methyl ethyl ketone    | 0.20                    | N.D.                   |
| Methyl isobutyl ketone | 0.20                    | N.D.                   |
| Methylene chloride     | 0.20                    | N.D.                   |
| iso-Octane             | 0.020                   | N.D.                   |
| iso-Propanol           | 1.0                     | N.D.                   |
| n-Propanol             | 1.0                     | N.D.                   |
| n-Propyl benzene       | 0.020                   | N.D.                   |
| Tetrachloroethylene    | 0.10                    | N.D.                   |
| Tetrahydrofuran        | 0.40                    | N.D.                   |
| 1,1,1-Trichloroethane  | 0.10                    | N.D.                   |
| Trichloroethylene      | 0.10                    | N.D.                   |
| Toluene                | 0.020                   | N.D.                   |
| m-Xylene               | 0.020                   | N.D.                   |
| o-Xylene               | 0.020                   | N.D.                   |
| p-Xylene               | 0.020                   | N.D.                   |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

6



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW-4  
Matrix: LIQUID  
Analysis Method: 8015Mod/8020  
Lab Number: 9503I76-01

Sampled: 03/23/95  
Received: 03/23/95  
Analyzed: 04/03/95  
Reported: 04/06/95

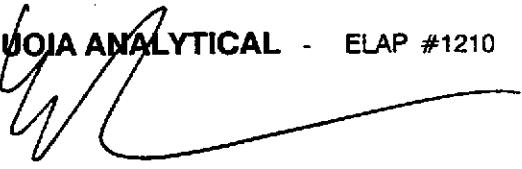
QC Batch Number: GC040395BTEX17A  
Instrument ID: GCHP17

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

| Analyte               | Detection Limit<br>ug/L | Sample Results<br>ug/L |
|-----------------------|-------------------------|------------------------|
| TPPH as Gas           | 50                      | N.D.                   |
| Benzene               | 0.50                    | N.D.                   |
| Toluene               | 0.50                    | N.D.                   |
| Ethyl Benzene         | 0.50                    | N.D.                   |
| Xylenes (Total)       | 0.50                    | N.D.                   |
| Chromatogram Pattern: |                         |                        |
| Surrogates            |                         |                        |
| Trifluorotoluene      | Control Limits %        | % Recovery             |
|                       | 70                      | 130                    |
|                       |                         | 126                    |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

  
Eileen Manning  
Project Manager

Page:

7



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
 404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
 819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
 1730 South Amphlett, Ste 320  
 San Mateo, CA 94402  
 Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
 Sample Descript: MW-3  
 Matrix: LIQUID  
 Analysis Method: EPA 8010  
 Lab Number: 9503I76-02

Sampled: 03/23/95  
 Received: 03/23/95  
 Analyzed: 04/01/95  
 Reported: 04/06/95

QC Batch Number: GC040195801008A  
 Instrument ID: GCHP8

### Halogenated Volatile Organics (EPA 8010)

| Analyte                   | Detection Limit<br>ug/L | Sample Results<br>ug/L |
|---------------------------|-------------------------|------------------------|
| Bromodichloromethane      | 0.50                    | N.D.                   |
| Bromoform                 | 0.50                    | N.D.                   |
| Bromomethane              | 1.0                     | N.D.                   |
| Carbon Tetrachloride      | 0.50                    | N.D.                   |
| Chlorobenzene             | 0.50                    | N.D.                   |
| Chloroethane              | 1.0                     | N.D.                   |
| 2-Chloroethylvinyl ether  | 1.0                     | N.D.                   |
| Chloroform                | 0.50                    | N.D.                   |
| Chloromethane             | 1.0                     | N.D.                   |
| Dibromochloromethane      | 0.50                    | N.D.                   |
| 1,2-Dichlorobenzene       | 0.50                    | N.D.                   |
| 1,3-Dichlorobenzene       | 0.50                    | N.D.                   |
| 1,4-Dichlorobenzene       | 0.50                    | N.D.                   |
| 1,1-Dichloroethane        | 0.50                    | N.D.                   |
| 1,2-Dichloroethane        | 0.50                    | N.D.                   |
| 1,1-Dichloroethene        | 0.50                    | N.D.                   |
| cis-1,2-Dichloroethene    | 0.50                    | N.D.                   |
| trans-1,2-Dichloroethene  | 0.50                    | N.D.                   |
| 1,2-Dichloropropane       | 0.50                    | N.D.                   |
| cis-1,3-Dichloropropene   | 0.50                    | N.D.                   |
| trans-1,3-Dichloropropene | 0.50                    | N.D.                   |
| Methylene chloride        | 5.0                     | N.D.                   |
| 1,1,2,2-Tetrachloroethane | 0.50                    | N.D.                   |
| Tetrachloroethene         | 0.50                    | N.D.                   |
| 1,1,1-Trichloroethane     | 0.50                    | N.D.                   |
| 1,1,2-Trichloroethane     | 0.50                    | N.D.                   |
| Trichloroethene           | 0.50                    | N.D.                   |
| Trichlorofluoromethane    | 0.50                    | N.D.                   |
| Vinyl chloride            | 1.0                     | N.D.                   |
| Freon 113                 | 1.0                     | N.D.                   |

#### Surrogates

1-Chloro-2-fluorobenzene

Control Limits %

70                    130

% Recovery

72

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
 Project Manager

Page:

8



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW-3  
Matrix: LIQUID  
Analysis Method: EPA 8100  
Lab Number: 9503176-02

Sampled: 03/23/95  
Received: 03/23/95  
Extracted: 03/29/95  
Analyzed: 03/31/95  
Reported: 04/06/95

QC Batch Number: GC0329958100EXZ  
Instrument ID: GCHP11

### Polynuclear Aromatic Hydrocarbons (EPA 8100)

| Analyte                | Detection Limit<br>ug/L    | Sample Results<br>ug/L |
|------------------------|----------------------------|------------------------|
| Acenaphthene           | 5.0                        | N.D.                   |
| Acenaphthylene         | 5.0                        | N.D.                   |
| Anthracene             | 5.0                        | N.D.                   |
| Benzo(a)anthracene     | 5.0                        | N.D.                   |
| Benzo(a)pyrene         | 5.0                        | N.D.                   |
| Benzo(b)fluoranthene   | 5.0                        | N.D.                   |
| Benzo(g,h,i)perylene   | 5.0                        | N.D.                   |
| Benzo(k)fluoranthene   | 5.0                        | N.D.                   |
| Chrysene               | 5.0                        | N.D.                   |
| Dibenzo(a,h)anthracene | 5.0                        | N.D.                   |
| Fluoranthene           | 5.0                        | N.D.                   |
| Fluorene               | 5.0                        | N.D.                   |
| Indeno(1,2,3-cd)pyrene | 5.0                        | N.D.                   |
| Naphthalene            | 5.0                        | N.D.                   |
| Phenanthrene           | 5.0                        | N.D.                   |
| Pyrene                 | 5.0                        | N.D.                   |
| Surrogates             |                            |                        |
| 2-Fluorobiphenyl       | Control Limits %<br>50 150 | % Recovery<br>80       |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

9



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Eiler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW-3  
Matrix: LIQUID  
Analysis Method: EPA 8015 Mod  
Lab Number: 9503I76-02

Sampled: 03/23/95  
Received: 03/23/95  
Extracted: 03/29/95  
Analyzed: 04/01/95  
Reported: 04/06/95

QC Batch Number: GC0329950HBPEXZ  
Instrument ID: GCHP5A

### Fuel Fingerprint

| Analyte                                  | Detection Limit<br>ug/L         | Sample Results<br>ug/L |
|------------------------------------------|---------------------------------|------------------------|
| Extractable Hydrocarbons                 | .....                           | 150                    |
| Chromatogram Pattern:<br>Unidentified HC | .....                           | C9-C24                 |
| Surrogates<br>n-Pentacosane (C25)        | Control Limits %<br>50      150 | % Recovery<br>98       |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

  
Eileen Manning  
Project Manager

Page:

10



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW-3  
Matrix: LIQUID  
Analysis Method: EPA 8015 Mod  
Lab Number: 9503176-02

Sampled: 03/23/95  
Received: 03/23/95  
Analyzed: 04/04/95  
Reported: 04/06/95

QC Batch Number: GC040495ISHSHSA  
Instrument ID: GCV1

### Industrial Solvents

| Analyte                | Detection Limit<br>mg/L | Sample Results<br>mg/L |
|------------------------|-------------------------|------------------------|
| Acetone                | 0.40                    | N.D.                   |
| Acetonitrile           | 1.0                     | N.D.                   |
| Benzene                | 0.020                   | N.D.                   |
| iso-Butanol            | 1.0                     | N.D.                   |
| n-Butanol              | 1.0                     | N.D.                   |
| sec-Butanol            | 1.0                     | N.D.                   |
| t-Butanol              | 0.50                    | N.D.                   |
| Carbon tetrachloride   | 0.20                    | N.D.                   |
| Chloroform             | 0.20                    | N.D.                   |
| Cyclohexane            | 0.040                   | N.D.                   |
| 1,2-Dichloroethane     | 0.20                    | N.D.                   |
| t-1,2-Dichloroethene   | 0.10                    | N.D.                   |
| Ethanol                | 1.0                     | N.D.                   |
| Ethyl acetate          | 0.20                    | N.D.                   |
| Ethyl benzene          | 0.020                   | N.D.                   |
| Ethyl ether            | 0.020                   | N.D.                   |
| Freon 113              | 0.20                    | N.D.                   |
| Hexane                 | 0.10                    | N.D.                   |
| Methanol               | 1.0                     | N.D.                   |
| Methyl ethyl ketone    | 0.20                    | N.D.                   |
| Methyl isobutyl ketone | 0.20                    | N.D.                   |
| Methylene chloride     | 0.20                    | N.D.                   |
| iso-Octane             | 0.020                   | N.D.                   |
| iso-Propanol           | 1.0                     | N.D.                   |
| n-Propanol             | 1.0                     | N.D.                   |
| n-Propyl benzene       | 0.020                   | N.D.                   |
| Tetrachloroethylene    | 0.10                    | N.D.                   |
| Tetrahydrofuran        | 0.40                    | N.D.                   |
| 1,1,1-Trichloroethane  | 0.10                    | N.D.                   |
| Trichloroethylene      | 0.10                    | N.D.                   |
| Toluene                | 0.020                   | N.D.                   |
| m-Xylene               | 0.020                   | N.D.                   |
| o-Xylene               | 0.020                   | N.D.                   |
| p-Xylene               | 0.020                   | N.D.                   |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

11



**Sequoia  
Analytical**

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

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

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

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

Erier & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW-3  
Matrix: LIQUID  
Analysis Method: 8015Mod/8020  
Lab Number: 9503176-02

Sampled: 03/23/95  
Received: 03/23/95  
Analyzed: 04/03/95  
Reported: 04/06/95

QC Batch Number: GC040395BTEX17A  
Instrument ID: GCHP17

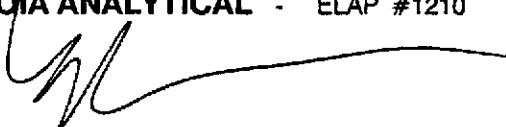
### Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

| Analyte               | Detection Limit<br>ug/L | Sample Results<br>ug/L |
|-----------------------|-------------------------|------------------------|
| TPPH as Gas           | 50                      | N.D.                   |
| Benzene               | 0.50                    | N.D.                   |
| Toluene               | 0.50                    | N.D.                   |
| Ethyl Benzene         | 0.50                    | N.D.                   |
| Xylenes (Total)       | 0.50                    | N.D.                   |
| Chromatogram Pattern: |                         |                        |

| Surrogates       | Control Limits % | % Recovery |
|------------------|------------------|------------|
| Trifluorotoluene | 70 130           | 121        |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

  
Eileen Manning  
Project Manager

Page: 12



Sequoia  
Analytical

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW-2  
Matrix: LIQUID  
Analysis Method: EPA 8010  
Lab Number: 9503176-03

Sampled: 03/23/95  
Received: 03/23/95  
Analyzed: 04/04/95  
Reported: 04/06/95

QC Batch Number: GC040495801016A  
Instrument ID: GCHP16

### Halogenated Volatile Organics (EPA 8010)

| Analyte                    | Detection Limit<br>ug/L         | Sample Results<br>ug/L |
|----------------------------|---------------------------------|------------------------|
| Bromodichloromethane       | 1.2                             | N.D.                   |
| Bromoform                  | 1.2                             | N.D.                   |
| Bromomethane               | 2.5                             | N.D.                   |
| Carbon Tetrachloride       | 1.2                             | N.D.                   |
| Chlorobenzene              | 1.2                             | N.D.                   |
| Chloroethane               | 2.5                             | N.D.                   |
| 2-Chloroethylvinyl ether   | 2.5                             | N.D.                   |
| Chloroform                 | 1.2                             | N.D.                   |
| Chloromethane              | 2.5                             | N.D.                   |
| Dibromochloromethane       | 1.2                             | N.D.                   |
| 1,2-Dichlorobenzene        | 1.2                             | N.D.                   |
| 1,3-Dichlorobenzene        | 1.2                             | N.D.                   |
| 1,4-Dichlorobenzene        | 1.2                             | N.D.                   |
| 1,1-Dichloroethane         | 1.2                             | N.D.                   |
| 1,2-Dichloroethane         | 1.2                             | N.D.                   |
| 1,1-Dichloroethene         | 1.2                             | N.D.                   |
| cis-1,2-Dichloroethylene   | 1.2                             | 60                     |
| trans-1,2-Dichloroethylene | 1.2                             | 46                     |
| 1,2-Dichloropropane        | 1.2                             | N.D.                   |
| cis-1,3-Dichloropropene    | 1.2                             | N.D.                   |
| trans-1,3-Dichloropropene  | 1.2                             | N.D.                   |
| Methylene chloride         | 12                              | N.D.                   |
| 1,1,2,2-Tetrachloroethane  | 1.2                             | N.D.                   |
| Tetrachloroethylene        | 1.2                             | N.D.                   |
| 1,1,1-Trichloroethane      | 1.2                             | N.D.                   |
| 1,1,2-Trichloroethane      | 1.2                             | N.D.                   |
| Trichloroethylene          | 1.2                             | 2.5                    |
| Trichlorofluoromethane     | 1.2                             | N.D.                   |
| Vinyl chloride             | 2.5                             | N.D.                   |
| Freon 113                  | 2.5                             | N.D.                   |
| <b>Surrogates</b>          |                                 |                        |
| 1-Chloro-2-fluorobenzene   | Control Limits %<br>70      130 | % Recovery<br>76       |

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

SEQUOIA ANALYTICAL - ELAP #1210

Eileen Manning  
Project Manager



**Sequoia  
Analytical**

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW-2  
Matrix: LIQUID  
Analysis Method: EPA 8100  
Lab Number: 9503I76-03

Sampled: 03/23/95  
Received: 03/23/95  
Extracted: 03/29/95  
Analyzed: 03/31/95  
Reported: 04/06/95

QC Batch Number: GC0329958100EXZ  
Instrument ID: GCHP11

### Polynuclear Aromatic Hydrocarbons (EPA 8100)

| Analyte                | Detection Limit<br>ug/L                       | Sample Results<br>ug/L |
|------------------------|-----------------------------------------------|------------------------|
| Acenaphthene           | 5.0                                           | N.D.                   |
| Acenaphthylene         | 5.0                                           | N.D.                   |
| Anthracene             | 5.0                                           | N.D.                   |
| Benzo(a)anthracene     | 5.0                                           | N.D.                   |
| Benzo(a)pyrene         | 5.0                                           | N.D.                   |
| Benzo(b)fluoranthene   | 5.0                                           | N.D.                   |
| Benzo(g,h,i)perylene   | 5.0                                           | N.D.                   |
| Benzo(k)fluoranthene   | 5.0                                           | N.D.                   |
| Chrysene               | 5.0                                           | N.D.                   |
| Dibenzo(a,h)anthracene | 5.0                                           | N.D.                   |
| Fluoranthene           | 5.0                                           | N.D.                   |
| Fluorene               | 5.0                                           | N.D.                   |
| Indeno(1,2,3-cd)pyrene | 5.0                                           | N.D.                   |
| Naphthalene            | 5.0                                           | N.D.                   |
| Phenanthrene           | 5.0                                           | N.D.                   |
| Pyrene                 | 5.0                                           | N.D.                   |
| Surrogates             |                                               |                        |
| 2-Fluorobiphenyl       | Control Limits %<br>50                    150 | % Recovery<br>80       |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

14



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW-2  
Matrix: LIQUID  
Analysis Method: EPA 8015 Mod  
Lab Number: 9503I76-03

Sampled: 03/23/95  
Received: 03/23/95  
Extracted: 03/29/95  
Analyzed: 04/01/95  
Reported: 04/06/95

QC Batch Number: GC0329950HBPEXZ  
Instrument ID: GCHP5A

### Fuel Fingerprint

| Analyte                                  | Detection Limit<br>ug/L    | Sample Results<br>ug/L |
|------------------------------------------|----------------------------|------------------------|
| Extractable Hydrocarbons                 | .....                      | 50                     |
| Chromatogram Pattern:<br>Unidentified HC | .....                      | .....                  |
| Surrogates<br>n-Pentacosane (C25)        | Control Limits %<br>50 150 | % Recovery<br>114      |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

15



**Sequoia  
Analytical**

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW-2  
Matrix: LIQUID  
Analysis Method: EPA 8015 Mod  
Lab Number: 9503176-03

Sampled: 03/23/95  
Received: 03/23/95  
Analyzed: 04/04/95  
Reported: 04/06/95

QC Batch Number: GC040495ISHHSA  
Instrument ID: GCV1

### Industrial Solvents

| Analyte                | Detection Limit<br>mg/L | Sample Results<br>mg/L |
|------------------------|-------------------------|------------------------|
| Acetone                | 0.40                    | N.D.                   |
| Acetonitrile           | 1.0                     | N.D.                   |
| Benzene                | 0.020                   | N.D.                   |
| iso-Butanol            | 1.0                     | N.D.                   |
| n-Butanol              | 1.0                     | N.D.                   |
| sec-Butanol            | 1.0                     | N.D.                   |
| t-Butanol              | 0.50                    | N.D.                   |
| Carbon tetrachloride   | 0.20                    | N.D.                   |
| Chloroform             | 0.20                    | N.D.                   |
| Cyclohexane            | 0.040                   | N.D.                   |
| 1,2-Dichloroethane     | 0.20                    | N.D.                   |
| t-1,2-Dichloroethene   | 0.10                    | N.D.                   |
| Ethanol                | 1.0                     | N.D.                   |
| Ethyl acetate          | 0.20                    | N.D.                   |
| Ethyl benzene          | 0.020                   | N.D.                   |
| Ethyl ether            | 0.020                   | N.D.                   |
| Freon 113              | 0.20                    | N.D.                   |
| Hexane                 | 0.10                    | N.D.                   |
| Methanol               | 1.0                     | N.D.                   |
| Methyl ethyl ketone    | 0.20                    | N.D.                   |
| Methyl isobutyl ketone | 0.20                    | N.D.                   |
| Methylene chloride     | 0.20                    | N.D.                   |
| iso-Octane             | 0.020                   | N.D.                   |
| iso-Propanol           | 1.0                     | N.D.                   |
| n-Propanol             | 1.0                     | N.D.                   |
| n-Propyl benzene       | 0.020                   | N.D.                   |
| Tetrachloroethylene    | 0.10                    | N.D.                   |
| Tetrahydrofuran        | 0.40                    | N.D.                   |
| 1,1,1-Trichloroethane  | 0.10                    | N.D.                   |
| Trichloroethylene      | 0.10                    | N.D.                   |
| Toluene                | 0.020                   | N.D.                   |
| m-Xylene               | 0.020                   | N.D.                   |
| o-Xylene               | 0.020                   | N.D.                   |
| p-Xylene               | 0.020                   | N.D.                   |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

16



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kallnowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW-2  
Matrix: LIQUID  
Analysis Method: 8015Mod/8020  
Lab Number: 9503176-03

Sampled: 03/23/95  
Received: 03/23/95  
Analyzed: 04/03/95  
Reported: 04/06/95

QC Batch Number: GC040395BTEX17A  
Instrument ID: GCHP17

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

| Analyte                                  | Detection Limit<br>ug/L         | Sample Results<br>ug/L |
|------------------------------------------|---------------------------------|------------------------|
| TPPH as Gas                              | 50                              | 71                     |
| Benzene                                  | 0.50                            | N.D.                   |
| Toluene                                  | 0.50                            | N.D.                   |
| Ethyl Benzene                            | 0.50                            | N.D.                   |
| Xylenes (Total)                          | 0.50                            | N.D.                   |
| Chromatogram Pattern:<br>Unidentified HC | .....                           | < C8                   |
| Surrogates                               |                                 |                        |
| Trifluorotoluene                         | Control Limits %<br>70      130 | % Recovery<br>126      |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

17



**Sequoia  
Analytical**

|                                                                          |                                                                          |                                                    |                                                                |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|
| 680 Chesapeake Drive<br>404 N. Wiget Lane<br>819 Striker Avenue, Suite 8 | Redwood City, CA 94063<br>Walnut Creek, CA 94598<br>Sacramento, CA 95834 | (415) 364-9600<br>(510) 988-9600<br>(916) 921-9600 | FAX (415) 364-9233<br>FAX (510) 988-9673<br>FAX (916) 921-0100 |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|

Ener & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW-1  
Matrix: LIQUID  
Analysis Method: EPA 8010  
Lab Number: 9503176-04

Sampled: 03/23/95  
Received: 03/23/95  
Analyzed: 04/03/95  
Reported: 04/06/95

QC Batch Number: GC040495801016A  
Instrument ID: GCHP16

### Halogenated Volatile Organics (EPA 8010)

| Analyte                   | Detection Limit<br>ug/L | Sample Results<br>ug/L |
|---------------------------|-------------------------|------------------------|
| Bromodichloromethane      | 2.5                     | N.D.                   |
| Bromoform                 | 2.5                     | N.D.                   |
| Bromomethane              | 5.0                     | N.D.                   |
| Carbon Tetrachloride      | 2.5                     | N.D.                   |
| Chlorobenzene             | 2.5                     | N.D.                   |
| Chloroethane              | 5.0                     | N.D.                   |
| 2-Chloroethylvinyl ether  | 5.0                     | N.D.                   |
| Chloroform                | 2.5                     | N.D.                   |
| Chloromethane             | 5.0                     | N.D.                   |
| Dibromochloromethane      | 2.5                     | N.D.                   |
| 1,2-Dichlorobenzene       | 2.5                     | N.D.                   |
| 1,3-Dichlorobenzene       | 2.5                     | N.D.                   |
| 1,4-Dichlorobenzene       | 2.5                     | N.D.                   |
| 1,1-Dichloroethane        | 2.5                     | N.D.                   |
| 1,2-Dichloroethane        | 2.5                     | N.D.                   |
| 1,1-Dichloroethene        | 2.5                     | N.D.                   |
| cis-1,2-Dichloroethene    | 2.5                     | 39                     |
| trans-1,2-Dichloroethene  | 2.5                     | 9.9                    |
| 1,2-Dichloropropane       | 2.5                     | N.D.                   |
| cis-1,3-Dichloropropene   | 2.5                     | N.D.                   |
| trans-1,3-Dichloropropene | 2.5                     | N.D.                   |
| Methylene chloride        | 25                      | N.D.                   |
| 1,1,2,2-Tetrachloroethane | 2.5                     | N.D.                   |
| Tetrachloroethene         | 2.5                     | N.D.                   |
| 1,1,1-Trichloroethane     | 2.5                     | N.D.                   |
| 1,1,2-Trichloroethane     | 2.5                     | N.D.                   |
| Trichloroethene           | 2.5                     | 170                    |
| Trichlorofluoromethane    | 2.5                     | N.D.                   |
| Vinyl chloride            | 5.0                     | N.D.                   |
| Freon 113                 | 5.0                     | 9.0                    |

| Surrogates               | Control Limits % | % Recovery |
|--------------------------|------------------|------------|
| 1-Chloro-2-fluorobenzene | 70 130           | 98         |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

18



**Sequoia  
Analytical**

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW-1  
Matrix: LIQUID  
Analysis Method: EPA 8100  
Lab Number: 9503176-04

Sampled: 03/23/95  
Received: 03/23/95  
Extracted: 03/29/95  
Analyzed: 03/31/95  
Reported: 04/06/95

QC Batch Number: GC0329958100EXZ  
Instrument ID: GCHP11

### Polynuclear Aromatic Hydrocarbons (EPA 8100)

| Analyte                | Detection Limit<br>ug/L | Sample Results<br>ug/L |
|------------------------|-------------------------|------------------------|
| Acenaphthene           | 5.0                     | N.D.                   |
| Acenaphthylene         | 5.0                     | N.D.                   |
| Anthracene             | 5.0                     | N.D.                   |
| Benzo(a)anthracene     | 5.0                     | N.D.                   |
| Benzo(a)pyrene         | 5.0                     | N.D.                   |
| Benzo(b)fluoranthene   | 5.0                     | N.D.                   |
| Benzo(g,h,i)perylene   | 5.0                     | N.D.                   |
| Benzo(k)fluoranthene   | 5.0                     | N.D.                   |
| Chrysene               | 5.0                     | N.D.                   |
| Dibenzo(a,h)anthracene | 5.0                     | N.D.                   |
| Fluoranthene           | 5.0                     | N.D.                   |
| Fluorene               | 5.0                     | N.D.                   |
| Indeno(1,2,3-cd)pyrene | 5.0                     | N.D.                   |
| Naphthalene            | 5.0                     | N.D.                   |
| Phenanthrene           | 5.0                     | N.D.                   |
| Pyrene                 | 5.0                     | N.D.                   |
|                        |                         |                        |
| Surrogates             | Control Limits %        | % Recovery             |
| 2-Fluorobiphenyl       | 50      150             | 134                    |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

19



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erier & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW-1  
Matrix: LIQUID  
Analysis Method: EPA 8015 Mod  
Lab Number: 9503176-04

Sampled: 03/23/95  
Received: 03/23/95  
Extracted: 03/29/95  
Analyzed: 04/04/95  
Reported: 04/06/95

QC Batch Number: GC0329950HBPEXZ  
Instrument ID: GCHP5B

### Fuel Fingerprint

| Analyte                  | Detection Limit<br>ug/L | Sample Results<br>ug/L |
|--------------------------|-------------------------|------------------------|
| Extractable Hydrocarbons | .....                   | 500                    |
| Chromatogram Pattern:    | .....                   | .....                  |
|                          |                         | 5500<br>Diesel         |
| Surrogates               |                         | Control Limits %       |
| n-Pentacosane (C25)      | 50                      | 150                    |
|                          |                         | % Recovery             |
|                          |                         | 115                    |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

20



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW-1  
Matrix: LIQUID  
Analysis Method: EPA 8015 Mod  
Lab Number: 9503I76-04

Sampled: 03/23/95  
Received: 03/23/95  
Analyzed: 04/04/95  
Reported: 04/06/95

QC Batch Number: GC040495ISHSHSA  
Instrument ID: GCV1

### Industrial Solvents

| Analyte                | Detection Limit<br>mg/L | Sample Results<br>mg/L |
|------------------------|-------------------------|------------------------|
| Acetone                | 0.40                    | N.D.                   |
| Acetonitrile           | 1.0                     | N.D.                   |
| Benzene                | 0.020                   | N.D.                   |
| iso-Butanol            | 1.0                     | N.D.                   |
| n-Butanol              | 1.0                     | N.D.                   |
| sec-Butanol            | 1.0                     | N.D.                   |
| t-Butanol              | 0.50                    | N.D.                   |
| Carbon tetrachloride   | 0.20                    | N.D.                   |
| Chloroform             | 0.20                    | N.D.                   |
| Cyclohexane            | 0.040                   | N.D.                   |
| 1,2-Dichloroethane     | 0.20                    | N.D.                   |
| t-1,2-Dichloroethene   | 0.10                    | N.D.                   |
| Ethanol                | 1.0                     | N.D.                   |
| Ethyl acetate          | 0.20                    | N.D.                   |
| Ethyl benzene          | 0.020                   | N.D.                   |
| Ethyl ether            | 0.020                   | N.D.                   |
| Freon 113              | 0.20                    | N.D.                   |
| Hexane                 | 0.10                    | N.D.                   |
| Methanol               | 1.0                     | N.D.                   |
| Methyl ethyl ketone    | 0.20                    | N.D.                   |
| Methyl isobutyl ketone | 0.20                    | N.D.                   |
| Methylene chloride     | 0.20                    | N.D.                   |
| iso-Octane             | 0.020                   | N.D.                   |
| iso-Propanol           | 1.0                     | N.D.                   |
| n-Propanol             | 1.0                     | N.D.                   |
| n-Propyl benzene       | 0.020                   | N.D.                   |
| Tetrachloroethylene    | 0.10                    | N.D.                   |
| Tetrahydrofuran        | 0.40                    | N.D.                   |
| 1,1,1-Trichloroethane  | 0.10                    | N.D.                   |
| Trichloroethylene      | 0.10                    | N.D.                   |
| Toluene                | 0.020                   | N.D.                   |
| m-Xylene               | 0.020                   | N.D.                   |
| o-Xylene               | 0.020                   | N.D.                   |
| p-Xylene               | 0.020                   | N.D.                   |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

21



**Sequoia  
Analytical**

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW-1  
Matrix: LIQUID  
Analysis Method: 8015Mod/8020  
Lab Number: 9503176-04

Sampled: 03/23/95  
Received: 03/23/95  
Analyzed: 04/03/95  
Reported: 04/06/95

QC Batch Number: GC040395BTEX17A  
Instrument ID: GCHP17

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

| Analyte               | Detection Limit<br>ug/L | Sample Results<br>ug/L |
|-----------------------|-------------------------|------------------------|
| TPPH as Gas           | .....                   | 50                     |
| Benzene               | .....                   | 0.50                   |
| Toluene               | .....                   | 0.50                   |
| Ethyl Benzene         | .....                   | 0.50                   |
| Xylenes (Total)       | .....                   | 0.50                   |
| Chromatogram Pattern: |                         |                        |
| Unidentified HC       | .....                   | C7-C12                 |
|                       |                         |                        |
| Surrogates            | Control Limits %        |                        |
| Trifluorotoluene      | 70                      | 130                    |
|                       | % Recovery              |                        |
|                       |                         | 124                    |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

22



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: Method Blank  
Matrix: LIQUID  
Analysis Method: EPA 8100  
Lab Number: 9503176-05

Sampled:  
Received: 03/23/95  
Extracted: 03/29/95  
Analyzed: 03/30/95  
Reported: 04/06/95

QC Batch Number: GC0329958100EXZ  
Instrument ID: GCHP11

### Polynuclear Aromatic Hydrocarbons (EPA 8100)

| Analyte                | Detection Limit<br>ug/L                     | Sample Results<br>ug/L |
|------------------------|---------------------------------------------|------------------------|
| Acenaphthene           | 5.0                                         | N.D.                   |
| Acenaphthylene         | 5.0                                         | N.D.                   |
| Anthracene             | 5.0                                         | N.D.                   |
| Benzo(a)anthracene     | 5.0                                         | N.D.                   |
| Benzo(a)pyrene         | 5.0                                         | N.D.                   |
| Benzo(b)fluoranthene   | 5.0                                         | N.D.                   |
| Benzo(g,h,i)perylene   | 5.0                                         | N.D.                   |
| Benzo(k)fluoranthene   | 5.0                                         | N.D.                   |
| Chrysene               | 5.0                                         | N.D.                   |
| Dibenz(a,h)anthracene  | 5.0                                         | N.D.                   |
| Fluoranthene           | 5.0                                         | N.D.                   |
| Fluorene               | 5.0                                         | N.D.                   |
| Indeno(1,2,3-cd)pyrene | 5.0                                         | N.D.                   |
| Naphthalene            | 5.0                                         | N.D.                   |
| Phenanthrene           | 5.0                                         | N.D.                   |
| Pyrene                 | 5.0                                         | N.D.                   |
| Surrogates             |                                             |                        |
| 2-Fluorobiphenyl       | Control Limits %<br>50                  150 | % Recovery<br>50       |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

23



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: Method Blank  
Matrix: LIQUID  
Analysis Method: EPA 8015 Mod  
Lab Number: 9503I76-05

Sampled:  
Received: 03/23/95  
Extracted: 03/29/95  
Analyzed: 03/30/95  
Reported: 04/06/95

QC Batch Number: GC0329950HBPEXZ  
Instrument ID: GCHP4B

### Fuel Fingerprint

| Analyte                                           | Detection Limit<br>ug/L | Sample Results<br>ug/L |
|---------------------------------------------------|-------------------------|------------------------|
| Extractable Hydrocarbons<br>Chromatogram Pattern: | 50                      | N.D.                   |
| Surrogates                                        | Control Limits %        | % Recovery             |
| n-Pentacosane (C25)                               | 50 150                  | 88                     |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page: 24



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100.

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: Method Blank  
Matrix: LIQUID  
Analysis Method: 8015Mod/8020  
Lab Number: 9503176-05

Sampled:  
Received: 03/23/95  
  
Analyzed: 04/03/95  
Reported: 04/06/95

QC Batch Number: GC040395BTEX17A  
Instrument ID: GCHP17

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

| Analyte               | Detection Limit<br>ug/L                     | Sample Results<br>ug/L |
|-----------------------|---------------------------------------------|------------------------|
| TPPH as Gas           | 50                                          | N.D.                   |
| Benzene               | 0.50                                        | N.D.                   |
| Toluene               | 0.50                                        | N.D.                   |
| Ethyl Benzene         | 0.50                                        | N.D.                   |
| Xylenes (Total)       | 0.50                                        | N.D.                   |
| Chromatogram Pattern: |                                             |                        |
| <br>Surrogates        |                                             |                        |
| Trifluorotoluene      | Control Limits %<br>70                  130 | % Recovery<br>111      |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

25



**Sequoia  
Analytical**

|                                                                          |                                                                          |                                                    |                                                                |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|
| 680 Chesapeake Drive<br>404 N. Wiget Lane<br>819 Striker Avenue, Suite 8 | Redwood City, CA 94063<br>Walnut Creek, CA 94598<br>Sacramento, CA 95834 | (415) 364-9600<br>(510) 988-9600<br>(916) 921-9600 | FAX (415) 364-9233<br>FAX (510) 988-9673<br>FAX (916) 921-0100 |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: Method Blank  
Matrix: LIQUID  
Analysis Method: EPA 8010  
Lab Number: 9503176-05

Sampled:  
Received: 03/23/95  
  
Analyzed: 04/01/95  
Reported: 04/06/95

QC Batch Number: GC040195801008A  
Instrument ID: GCHP8

### Halogenated Volatile Organics (EPA 8010)

| Analyte                   | Detection Limit<br>ug/L | Sample Results<br>ug/L |
|---------------------------|-------------------------|------------------------|
| Bromodichloromethane      | 0.50                    | N.D.                   |
| Bromoform                 | 0.50                    | N.D.                   |
| Bromomethane              | 1.0                     | N.D.                   |
| Carbon Tetrachloride      | 0.50                    | N.D.                   |
| Chlorobenzene             | 0.50                    | N.D.                   |
| Chloroethane              | 1.0                     | N.D.                   |
| 2-Chloroethylvinyl ether  | 1.0                     | N.D.                   |
| Chloroform                | 0.50                    | N.D.                   |
| Chloromethane             | 1.0                     | N.D.                   |
| Dibromochloromethane      | 0.50                    | N.D.                   |
| 1,2-Dichlorobenzene       | 0.50                    | N.D.                   |
| 1,3-Dichlorobenzene       | 0.50                    | N.D.                   |
| 1,4-Dichlorobenzene       | 0.50                    | N.D.                   |
| 1,1-Dichloroethane        | 0.50                    | N.D.                   |
| 1,2-Dichloroethane        | 0.50                    | N.D.                   |
| 1,1-Dichloroethene        | 0.50                    | N.D.                   |
| cis-1,2-Dichloroethene    | 0.50                    | N.D.                   |
| trans-1,2-Dichloroethene  | 0.50                    | N.D.                   |
| 1,2-Dichloropropane       | 0.50                    | N.D.                   |
| cis-1,3-Dichloropropene   | 0.50                    | N.D.                   |
| trans-1,3-Dichloropropene | 0.50                    | N.D.                   |
| Methylene chloride        | 5.0                     | N.D.                   |
| 1,1,2,2-Tetrachloroethane | 0.50                    | N.D.                   |
| Tetrachloroethene         | 0.50                    | N.D.                   |
| 1,1,1-Trichloroethane     | 0.50                    | N.D.                   |
| 1,1,2-Trichloroethane     | 0.50                    | N.D.                   |
| Trichloroethene           | 0.50                    | N.D.                   |
| Trichlorofluoromethane    | 0.50                    | N.D.                   |
| Vinyl chloride            | 1.0                     | N.D.                   |
| Freon 113                 | 1.0                     | N.D.                   |

| Surrogates               | Control Limits % | % Recovery |
|--------------------------|------------------|------------|
| 1-Chloro-2-fluorobenzene | 70      130      | 80         |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

26



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: Method Blank  
Matrix: LIQUID  
Analysis Method: EPA 8015 Mod  
Lab Number: 9503176-05

Sampled:  
Received: 03/23/95  
  
Analyzed: 04/04/95  
Reported: 04/06/95

QC Batch Number: GC040495ISHSHSA  
Instrument ID: GCV1

### Industrial Solvents

| Analyte                | Detection Limit<br>mg/L | Sample Results<br>mg/L |
|------------------------|-------------------------|------------------------|
| Acetone                | 0.40                    | N.D.                   |
| Acetonitrile           | 1.0                     | N.D.                   |
| Benzene                | 0.020                   | N.D.                   |
| iso-Butanol            | 1.0                     | N.D.                   |
| n-Butanol              | 1.0                     | N.D.                   |
| sec-Butanol            | 1.0                     | N.D.                   |
| t-Butanol              | 0.50                    | N.D.                   |
| Carbon tetrachloride   | 0.20                    | N.D.                   |
| Chloroform             | 0.20                    | N.D.                   |
| Cyclohexane            | 0.040                   | N.D.                   |
| 1,2-Dichloroethane     | 0.20                    | N.D.                   |
| t-1,2-Dichloroethene   | 0.10                    | N.D.                   |
| Ethanol                | 1.0                     | N.D.                   |
| Ethyl acetate          | 0.20                    | N.D.                   |
| Ethyl benzene          | 0.020                   | N.D.                   |
| Ethyl ether            | 0.020                   | N.D.                   |
| Freon 113              | 0.20                    | N.D.                   |
| Hexane                 | 0.10                    | N.D.                   |
| Methanol               | 1.0                     | N.D.                   |
| Methyl ethyl ketone    | 0.20                    | N.D.                   |
| Methyl isobutyl ketone | 0.20                    | N.D.                   |
| Methylene chloride     | 0.20                    | N.D.                   |
| iso-Octane             | 0.020                   | N.D.                   |
| iso-Propanol           | 1.0                     | N.D.                   |
| n-Propanol             | 1.0                     | N.D.                   |
| n-Propyl benzene       | 0.020                   | N.D.                   |
| Tetrachloroethylene    | 0.10                    | N.D.                   |
| Tetrahydrofuran        | 0.40                    | N.D.                   |
| 1,1,1-Trichloroethane  | 0.10                    | N.D.                   |
| Trichloroethylene      | 0.10                    | N.D.                   |
| Toluene                | 0.020                   | N.D.                   |
| m-Xylene               | 0.020                   | N.D.                   |
| o-Xylene               | 0.020                   | N.D.                   |
| p-Xylene               | 0.020                   | N.D.                   |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

27





**Sequoia  
Analytical**

|                                                                          |                                                                          |                                                    |                                                                |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|
| 680 Chesapeake Drive<br>404 N. Wiget Lane<br>819 Striker Avenue, Suite 8 | Redwood City, CA 94063<br>Walnut Creek, CA 94598<br>Sacramento, CA 95834 | (415) 364-9600<br>(510) 988-9600<br>(916) 921-9600 | FAX (415) 364-9233<br>FAX (510) 988-9673<br>FAX (916) 921-0100 |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: Method Blank  
Matrix: LIQUID  
Analysis Method: EPA 8010  
Lab Number: 9503176-06

Sampled:  
Received: 03/23/95  
Analyzed: 04/03/95  
Reported: 04/06/95

QC Batch Number: GC040495801016A  
Instrument ID: GCHP16

### Halogenated Volatile Organics (EPA 8010)

| Analyte                   | Detection Limit<br>ug/L | Sample Results<br>ug/L |
|---------------------------|-------------------------|------------------------|
| Bromodichloromethane      | 0.50                    | N.D.                   |
| Bromoform                 | 0.50                    | N.D.                   |
| Bromomethane              | 1.0                     | N.D.                   |
| Carbon Tetrachloride      | 0.50                    | N.D.                   |
| Chlorobenzene             | 0.50                    | N.D.                   |
| Chloroethane              | 1.0                     | N.D.                   |
| 2-Chloroethylvinyl ether  | 1.0                     | N.D.                   |
| Chloroform                | 0.50                    | N.D.                   |
| Chloromethane             | 1.0                     | N.D.                   |
| Dibromochloromethane      | 0.50                    | N.D.                   |
| 1,2-Dichlorobenzene       | 0.50                    | N.D.                   |
| 1,3-Dichlorobenzene       | 0.50                    | N.D.                   |
| 1,4-Dichlorobenzene       | 0.50                    | N.D.                   |
| 1,1-Dichloroethane        | 0.50                    | N.D.                   |
| 1,2-Dichloroethane        | 0.50                    | N.D.                   |
| 1,1-Dichloroethene        | 0.50                    | N.D.                   |
| cis-1,2-Dichloroethene    | 0.50                    | N.D.                   |
| trans-1,2-Dichloroethene  | 0.50                    | N.D.                   |
| 1,2-Dichloropropane       | 0.50                    | N.D.                   |
| cis-1,3-Dichloropropene   | 0.50                    | N.D.                   |
| trans-1,3-Dichloropropene | 0.50                    | N.D.                   |
| Methylene chloride        | 5.0                     | N.D.                   |
| 1,1,2,2-Tetrachloroethane | 0.50                    | N.D.                   |
| Tetrachloroethene         | 0.50                    | N.D.                   |
| 1,1,1-Trichloroethane     | 0.50                    | N.D.                   |
| 1,1,2-Trichloroethane     | 0.50                    | N.D.                   |
| Trichloroethene           | 0.50                    | N.D.                   |
| Trichlorofluoromethane    | 0.50                    | N.D.                   |
| Vinyl chloride            | 1.0                     | N.D.                   |
| Freon 113                 | 1.0                     | N.D.                   |

| Surrogates               | Control Limits % | % Recovery |
|--------------------------|------------------|------------|
| 1-Chloro-2-fluorobenzene | 70      130      | 82         |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

28



Sequoia  
Analytical

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: Method Blank  
Matrix: LIQUID  
Analysis Method: EPA 8010  
Lab Number: 9503176-07

Sampled:  
Received: 03/23/95  
  
Analyzed: 04/04/95  
Reported: 04/06/95

QC Batch Number: GC040495801016A  
Instrument ID: GCHP16

### Halogenated Volatile Organics (EPA 8010)

| Analyte                   | Detection Limit<br>ug/L         | Sample Results<br>ug/L |
|---------------------------|---------------------------------|------------------------|
| Bromodichloromethane      | 0.50                            | N.D.                   |
| Bromoform                 | 0.50                            | N.D.                   |
| Bromomethane              | 1.0                             | N.D.                   |
| Carbon Tetrachloride      | 0.50                            | N.D.                   |
| Chlorobenzene             | 0.50                            | N.D.                   |
| Chloroethane              | 1.0                             | N.D.                   |
| 2-Chloroethylvinyl ether  | 1.0                             | N.D.                   |
| Chloroform                | 0.50                            | N.D.                   |
| Chloromethane             | 1.0                             | N.D.                   |
| Dibromochloromethane      | 0.50                            | N.D.                   |
| 1,2-Dichlorobenzene       | 0.50                            | N.D.                   |
| 1,3-Dichlorobenzene       | 0.50                            | N.D.                   |
| 1,4-Dichlorobenzene       | 0.50                            | N.D.                   |
| 1,1-Dichloroethane        | 0.50                            | N.D.                   |
| 1,2-Dichloroethane        | 0.50                            | N.D.                   |
| 1,1-Dichloroethene        | 0.50                            | N.D.                   |
| cis-1,2-Dichloroethene    | 0.50                            | N.D.                   |
| trans-1,2-Dichloroethene  | 0.50                            | N.D.                   |
| 1,2-Dichloropropane       | 0.50                            | N.D.                   |
| cis-1,3-Dichloropropene   | 0.50                            | N.D.                   |
| trans-1,3-Dichloropropene | 0.50                            | N.D.                   |
| Methylene chloride        | 5.0                             | N.D.                   |
| 1,1,2,2-Tetrachloroethane | 0.50                            | N.D.                   |
| Tetrachloroethene         | 0.50                            | N.D.                   |
| 1,1,1-Trichloroethane     | 0.50                            | N.D.                   |
| 1,1,2-Trichloroethane     | 0.50                            | N.D.                   |
| Trichloroethene           | 0.50                            | N.D.                   |
| Trichlorofluoromethane    | 0.50                            | N.D.                   |
| Vinyl chloride            | 1.0                             | N.D.                   |
| Freon 113                 | 1.0                             | N.D.                   |
|                           |                                 |                        |
| <b>Surrogates</b>         |                                 |                        |
| 1-Chloro-2-fluorobenzene  | Control Limits %<br>70      130 | % Recovery<br>83       |

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

SEQUOIA ANALYTICAL - ELAP #1210

Eileen Manning  
Project Manager

Page:

29



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Lab Proj. ID: 9503I76

Received: 03/23/95  
Reported: 04/06/95

## LABORATORY NARRATIVE

**Please Note:**

Samples 9503I76-01, -02 and -03 were quantitated against a diesel standard (the default standard) since no fuel pattern was discernible in the Fuel Fingerprint analysis. These samples were quantitated in the C9 to C24 (diesel) range; however, the chromatogram patterns for all of the aforementioned samples extend to at least C36.

**SEQUOIA ANALYTICAL**

Eileen Manning  
Project Manager

Page: 1





Sequoia  
Analytical

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA, 95834 (916) 921-9600 FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
Matrix: LIQUID  
Sample Descrip: MW-4  
Work Order #: 9503I76 -01-05

Reported: Apr 11, 1995

## QUALITY CONTROL DATA REPORT

|                |                 |                 |
|----------------|-----------------|-----------------|
| Analyte:       | Arsenic         | Lead            |
| QC Batch#:     | ME0330957000MDA | ME0330957000MDA |
| Analy. Method: | EPA 206.2       | EPA 239.2       |
| Prep. Method:  | EPA 3020        | EPA 3020        |

|                    |                |                |
|--------------------|----------------|----------------|
| Analyst:           | L Zhu          | J. Martinez    |
| MS/MSD #:          | 9503I76-01-MSD | 9503I76-01-MSD |
| Sample Conc.:      | N.D.           | N.D.           |
| Prepared Date:     | 3/30/95        | 3/30/95        |
| Analyzed Date:     | 3/31/95        | 3/31/95        |
| Instrument I.D. #: | MTJA3          | MTJA1          |
| Conc. Spiked:      | 0.050 mg/L     | 0.050 mg/L     |
| Result:            | 0.054          | 0.044          |
| MS % Recovery:     | 108            | 88             |
| Dup. Result:       | 0.055          | 0.041          |
| MSD % Recov.:      | 110            | 82             |
| RPD:               | 1.8            | 7.1            |
| RPD Limit:         | 0-30           | 0-30           |

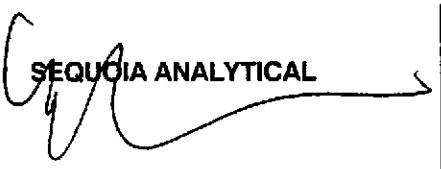
LCS #:

Prepared Date:  
Analyzed Date:  
Instrument I.D. #:  
Conc. Spiked:  
  
LCS Result:  
LCS % Recov.:

|                |        |        |
|----------------|--------|--------|
| MS/MSD         |        |        |
| LCS            | 75-125 | 75-125 |
| Control Limits |        |        |

Please Note:

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

  
SEQUOIA ANALYTICAL

Eileen A. Manning  
Project Manager

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

9503I76.ERL <1>



**Sequoia  
Analytical**

|                                                                          |                                                                          |                                                    |                                                                |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|
| 680 Chesapeake Drive<br>404 N. Wiget Lane<br>819 Striker Avenue, Suite 8 | Redwood City, CA 94063<br>Walnut Creek, CA 94598<br>Sacramento, CA 95834 | (415) 364-9600<br>(510) 988-9600<br>(916) 921-9600 | FAX (415) 364-9233<br>FAX (510) 988-9673<br>FAX (916) 921-0100 |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|

Erler & Kalinowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
Matrix: LIQUID  
Sample Descrip: MW-4  
Work Order #: 9503I76 -01-05

Reported: Apr 11, 1995

## QUALITY CONTROL DATA REPORT

| Analyte:           | Beryllium       | Cadmium         | Chromium        | Nickel          |
|--------------------|-----------------|-----------------|-----------------|-----------------|
| QC Batch#:         | ME0330956010MDA | ME0330956010MDA | ME0330956010MDA | ME0330956010MDA |
| Analy. Method:     | EPA 6010        | EPA 6010        | EPA 6010        | EPA 6010        |
| Prep. Method:      | EPA 3010        | EPA 3010        | EPA 3010        | EPA 3010        |
| Analyst:           | S. O'Donnell    | S. O'Donnell    | S. O'Donnell    | S. O'Donnell    |
| MS/MSD #:          | 9503I76-01-MSD  | 9503I76-01-MSD  | 9503I76-01-MSD  | 9503I76-01-MSD  |
| Sample Conc.:      | N.D.            | N.D.            | N.D.            | 0.094           |
| Prepared Date:     | 03/30/95        | 03/30/95        | 03/30/95        | 03/30/95        |
| Analyzed Date:     | 03/31/95        | 03/31/95        | 03/31/95        | 03/31/95        |
| Instrument I.D. #: | MTJA2           | MTJA2           | MTJA2           | MTJA2           |
| Conc. Spiked:      | 1.0 mg/L        | 1.0 mg/L        | 1.0 mg/L        | 1.0 mg/L        |
| Result:            | 0.98            | 0.98            | 0.96            | 1.0             |
| MS % Recovery:     | 98              | 98              | 96              | 91              |
| Dup. Result:       | 0.99            | 0.98            | 0.96            | 1.0             |
| MSD % Recov.:      | 99              | 98              | 96              | 91              |
| RPD:               | 1.0             | 0.0             | 0.0             | 0.0             |
| RPD Limit:         | 0-30            | 0-30            | 0-30            | 0-30            |

LCS #:

Prepared Date:  
Analyzed Date:  
Instrument I.D. #:  
Conc. Spiked:

LCS Result:  
LCS % Recov.:

| MS/MSD<br>LCS<br>Control Limits | 75-125 | 75-125 | 75-125 | 75-125 |
|---------------------------------|--------|--------|--------|--------|
|                                 |        |        |        |        |

Please Note:

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

*W*  
**SEQUOIA ANALYTICAL**

Eileen A. Manning  
Project Manager

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

9503I76.ERL <2>



Sequoia  
Analytical

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
Matrix: LIQUID  
Sample Descrip: MW-3  
Work Order #: 9503I76-02, 05

Reported: Apr 11, 1995

## QUALITY CONTROL DATA REPORT

|                |                     |                  |                 |
|----------------|---------------------|------------------|-----------------|
| Analyte:       | 1,1-Dichloro-ethene | Trichloro-ethene | Chloro-benzene  |
| QC Batch#:     | GC040195801008A     | GC040195801008A  | GC040195801008A |
| Analy. Method: | EPA 8010            | EPA 8010         | EPA 8010        |
| Prep. Method:  | EPA 5030            | EPA 5030         | EPA 5030        |

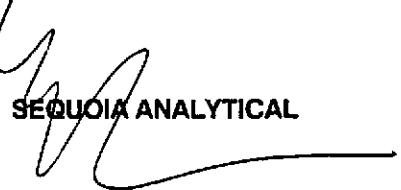
|                    |                |                |                |
|--------------------|----------------|----------------|----------------|
| Analyst:           | J. Miller      | J. Miller      | J. Miller      |
| MS/MSD #:          | 9503I76-02-MSD | 9503I76-02-MSD | 9503I76-02-MSD |
| Sample Conc.:      | N.D.           | N.D.           | N.D.           |
| Prepared Date:     | 04/01/95       | 04/01/95       | 04/01/95       |
| Analyzed Date:     | 04/01/95       | 04/01/95       | 04/01/95       |
| Instrument I.D. #: | GCHP8          | GCHP8          | GCHP8          |
| Conc. Spiked:      | 25 µg/L        | 25 µg/L        | 25 µg/L        |
| Result:            | 26             | 25             | 25             |
| MS % Recovery:     | 104            | 100            | 100            |
| Dup. Result:       | 27             | 27             | 26             |
| MSD % Recov.:      | 108            | 108            | 104            |
| RPD:               | 3.8            | 7.7            | 3.9            |
| RPD Limit:         | 0-50           | 0-50           | 0-50           |

LCS #:

Prepared Date:  
Analyzed Date:  
Instrument I.D. #:  
Conc. Spiked:

LCS Result:  
LCS % Recov.:

|                                 |        |        |        |
|---------------------------------|--------|--------|--------|
| MS/MSD<br>LCS<br>Control Limits | 28-167 | 35-146 | 38-150 |
|---------------------------------|--------|--------|--------|

  
SEQUOIA ANALYTICAL

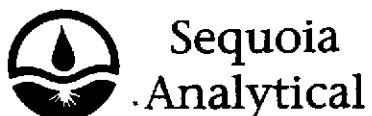
Eileen A. Manning  
Project Manager

Please Note:

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

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

9503I76.ERL <3>



680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
Matrix: LIQUID  
Sample Descrip: XSD  
Work Order #: 9503I76-01, 03, 04, 06, 07

Reported: Apr 11, 1995

## QUALITY CONTROL DATA REPORT

|                |                     |                  |                 |
|----------------|---------------------|------------------|-----------------|
| Analyte:       | 1,1-Dichloro-ethene | Trichloro-ethene | Chloro-benzene  |
| QC Batch#:     | GC040495801016A     | GC040495801016A  | GC040495801016A |
| Analy. Method: | EPA 8010            | EPA 8010         | EPA 8010        |
| Prep. Method:  | EPA 5030            | EPA 5030         | EPA 5030        |

|                    |                |                |                |
|--------------------|----------------|----------------|----------------|
| Analyst:           | T. Costello    | T. Costello    | T. Costello    |
| MS/MSD #:          | 9503K67-01-XSD | 9503K67-01-XSD | 9503K67-01-XSD |
| Sample Conc.:      | N.D.           | N.D.           | N.D.           |
| Prepared Date:     | 04/03/95       | 04/03/95       | 04/03/95       |
| Analyzed Date:     | 04/04/95       | 04/04/95       | 04/04/95       |
| Instrument I.D. #: | GCHP16         | GCHP16         | GCHP16         |
| Conc. Spiked:      | 25 µg/L        | 25 µg/L        | 25 µg/L        |
| Result:            | 25             | 24             | 25             |
| MS % Recovery:     | 100            | 96             | 100            |
| Dup. Result:       | 19             | 19             | 22             |
| MSD % Recov.:      | 76             | 76             | 88             |
| RPD:               | 27             | 23             | 13             |
| RPD Limit:         | 0-50           | 0-50           | 0-50           |

LCS #:

Prepared Date:  
Analyzed Date:  
Instrument I.D. #:  
Conc. Spiked:

LCS Result:  
LCS % Recov.:

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

SEQUOIA ANALYTICAL

Eileen A. Manning  
Project Manager

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

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

9503I76.ERL <4>



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
Matrix: LIQUID  
Sample Descrip: BLK  
Work Order #: 9503I76-01-05

Reported: Apr 11, 1995

## QUALITY CONTROL DATA REPORT

| Analyte:      | Naphthalene     | Acenaphthene    | Pyrene          |
|---------------|-----------------|-----------------|-----------------|
| QC Batch#:    | GC0329958100EXZ | GC0329958100EXZ | GC0329958100EXZ |
| Anal. Method: | EPA 8100        | EPA 8100        | EPA 8100        |
| Prep. Method: | EPA 3520        | EPA 3520        | EPA 3520        |

|                    |               |               |               |
|--------------------|---------------|---------------|---------------|
| Analyst:           | L. Laikhtman  | L. Laikhtman  | L. Laikhtman  |
| MS/MSD #:          | BLK032995-BLK | BLK032995-BLK | BLK032995-BLK |
| Sample Conc.:      | N.D.          | N.D.          | N.D.          |
| Prepared Date:     | 03/29/95      | 03/29/95      | 03/29/95      |
| Analyzed Date:     | 03/31/95      | 03/31/95      | 03/31/95      |
| Instrument I.D. #: | GCHP11        | GCHP11        | GCHP11        |
| Conc. Spiked:      | 50 mg/L       | 50 mg/L       | 50 mg/L       |
| Result:            | 43            | 42            | 46            |
| MS % Recovery:     | 86            | 84            | 92            |
| Dup. Result:       | 42            | 41            | 46            |
| MSD % Recov.:      | 84            | 82            | 92            |
| RPD:               | 2.4           | 2.4           | 0.0           |
| RPD Limit:         | 0-50          | 0-50          | 0-50          |

LCS #:

Prepared Date:  
Analyzed Date:  
Instrument I.D. #:  
Conc. Spiked:

LCS Result:  
LCS % Recov.:

| MS/MSD<br>LCS<br>Control Limits | DL-122 | DL-124 | DL-140 |
|---------------------------------|--------|--------|--------|
|---------------------------------|--------|--------|--------|

Please Note:

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

*W*  
**SEQUOIA ANALYTICAL**

Eileen A. Manning  
Project Manager

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

9503I76.ERL <5>



**Sequoia  
Analytical**

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
Matrix: LIQUID  
Sample Descrip: MW-4  
Work Order #: 9503I76-01 -05

Reported: Apr 11, 1995

## QUALITY CONTROL DATA REPORT

**Analyte:** Diesel

**QC Batch#:** GC0329950HBPEXZ

**Anal. Method:** EPA 8015M

**Prep. Method:** EPA 3520

**Analyst:** B. Ali

**MS/MSD #:** 9503I76-01-MSD

**Sample Conc.:** 190

**Prepared Date:** 03/29/95

**Analyzed Date:** 04/01/95

**Instrument I.D. #:** GCHP5A

**Conc. Spiked:** 600 µg/L

**Result:** 620

**MS % Recovery:** 72

**Dup. Result:** 550

**MSD % Recov.:** 60

**RPD:** 12

**RPD Limit:** 0-50

**LCS #:**

**Prepared Date:**

**Analyzed Date:**

**Instrument I.D. #:**

**Conc. Spiked:**

**LCS Result:**

**LCS % Recov.:**

**MS/MSD**

**LCS**

38-122

**Control Limits**

**SEQUOIA ANALYTICAL**

Eileen A. Manning  
Project Manager

**Please Note:**

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

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

9503I76.ERL <6>



**Sequoia  
Analytical**

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
Matrix: LIQUID  
Sample Descrip: MW-4  
Work Order #: 9503I76-01-05

Reported: Apr 11, 1995

## QUALITY CONTROL DATA REPORT

| Analyte:       | Acetone         | MIBK            | Tetra<br>Hydrofuran | 1,1,1-TCA       | TCE             |
|----------------|-----------------|-----------------|---------------------|-----------------|-----------------|
| QC Batch#:     | GC040495ISHSHSA | GC040495ISHSHSA | GC040495ISHSHSA     | GC040495ISHSHSA | GC040495ISHSHSA |
| Analy. Method: | EPA 8015 MOD    | EPA 8015 MOD    | PA 8015 MOD         | EPA 8015 MOD    | EPA 8015 MOD    |
| Prep. Method:  | HS              | HS              | HS                  | HS              | HS              |

|                    |                |                |                |                |                |
|--------------------|----------------|----------------|----------------|----------------|----------------|
| Analyst:           | T. Tran        |
| MS/MSD #:          | 9503I76-01-MSD | 9503I76-01-MSD | 9503I76-01-MSD | 9503I76-01-MSD | 9503I76-01-MSD |
| Sample Conc.:      | N.D.           | N.D.           | N.D.           | N.D.           | N.D.           |
| Prepared Date:     | 04/04/95       | 04/04/95       | 04/04/95       | 04/04/95       | 04/04/95       |
| Analyzed Date:     | 04/04/95       | 04/04/95       | 04/04/95       | 04/04/95       | 04/04/95       |
| Instrument I.D. #: | GCV1           | GCV1           | GCV1           | GCV1           | GCV1           |
| Conc. Spiked:      | 4.0 mg/L       | 1.0 mg/L       | 2.0 mg/L       | 1.0 mg/L       | 1.0 mg/L       |
| <br>               | <br>           | <br>           | <br>           | <br>           | <br>           |
| Result:            | 3.7            | 0.82           | 1.9            | 0.86           | 0.87           |
| MS % Recovery:     | 93             | 82             | 95             | 86             | 87             |
| <br>               | <br>           | <br>           | <br>           | <br>           | <br>           |
| Dup. Result:       | 3.9            | 0.90           | 2.0            | 0.98           | 0.99           |
| MSD % Recov.:      | 98             | 90             | 100            | 98             | 99             |
| <br>               | <br>           | <br>           | <br>           | <br>           | <br>           |
| RPD:               | 5.3            | 9.3            | 5.1            | 13             | 13             |
| RPD Limit:         | 0-50           | 0-50           | 0-50           | 0-50           | 0-50           |

LCS #:

Prepared Date:  
Analyzed Date:  
Instrument I.D. #:  
Conc. Spiked:

LCS Result:  
LCS % Recov.:

| MS/MSD                | 50-150 | 50-150 | 50-150 | 50-150 | 50-150 |
|-----------------------|--------|--------|--------|--------|--------|
| LCS<br>Control Limits |        |        |        |        |        |

**SEQUOIA ANALYTICAL**

Eileen A. Manning  
Project Manager

Please Note:

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

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

9503I76.ERL <7>



**Sequoia  
Analytical**

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Erier & Kalinowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
Matrix: LIQUID  
Sample Descrip: MW-4  
Work Order #: 9503I76-01-05

Reported: Apr 11, 1995

## QUALITY CONTROL DATA REPORT

Analyte: p-Xylene

QC Batch#: GC040495ISHSHSA  
Analy. Method: EPA 8015 MOD  
Prep. Method: HS

Analyst: T. Tran

MS/MSD #: 9503I76-01-MSD

Sample Conc.: N.D.

Prepared Date: 04/04/95

Analyzed Date: 04/04/95

Instrument I.D.#: GCV1

Conc. Spiked: 0.20 mg/L

Result: 0.16

MS % Recovery: 80

Dup. Result: 0.18

MSD % Recov.: 90

RPD: 12

RPD Limit: 0-50

LCS #:

Prepared Date:

Analyzed Date:

Instrument I.D.#:

Conc. Spiked:

LCS Result:

LCS % Recov.:

MS/MSD

LCS

50-150

Control Limits

  
**SEQUOIA ANALYTICAL**

Eileen A. Manning  
Project Manager

### Please Note:

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

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

9503I76.ERL <8>



**Sequoia  
Analytical**

|                                                                          |                                                                          |                                                    |                                                                |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|
| 680 Chesapeake Drive<br>404 N. Wiget Lane<br>819 Striker Avenue, Suite 8 | Redwood City, CA 94063<br>Walnut Creek, CA 94598<br>Sacramento, CA 95834 | (415) 364-9600<br>(510) 988-9600<br>(916) 921-9600 | FAX (415) 364-9233<br>FAX (510) 988-9673<br>FAX (916) 921-0100 |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|

Erler & Kalinowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
Matrix: LIQUID  
Sample Descrip: MW-4  
Work Order #: 9503I76-01-05

Reported: Apr 11, 1995

## QUALITY CONTROL DATA REPORT

| Analyte:       | Benzene         | Toluene         | Ethyl Benzene   | Xylenes         |
|----------------|-----------------|-----------------|-----------------|-----------------|
| QC Batch#:     | GC040395BTEX17A | GC040395BTEX17A | GC040395BTEX17A | GC040395BTEX17A |
| Analy. Method: | EPA 8020        | EPA 8020        | EPA 8020        | EPA 8020        |
| Prep. Method:  | EPA 5030        | EPA 5030        | EPA 5030        | EPA 5030        |

|                    |                 |                 |                |                 |
|--------------------|-----------------|-----------------|----------------|-----------------|
| Analyst:           | R. Vincent      | R. Vincent      | R. Vincent     | R. Vincent      |
| MS/MSD #:          | G9503I76-01-MSD | G9503I76-01-MSD | 9503I76-01-MSD | G9503I76-01-MSD |
| Sample Conc.:      | N.D.            | N.D.            | N.D.           | N.D.            |
| Prepared Date:     | 04/03/95        | 04/03/95        | 04/03/95       | 04/03/95        |
| Analyzed Date:     | 04/03/95        | 04/03/95        | 04/03/95       | 04/03/95        |
| Instrument I.D. #: | GCHP17          | GCHP17          | GCHP17         | GCHP17          |
| Conc. Spiked:      | 10 µg/L         | 10 µg/L         | 10 µg/L        | 30 µg/L         |
| <br>               | <br>            | <br>            | <br>           | <br>            |
| Result:            | 11              | 11              | 11             | 32              |
| MS % Recovery:     | 110             | 110             | 110            | 107             |
| <br>               | <br>            | <br>            | <br>           | <br>            |
| Dup. Result:       | 11              | 11              | 10             | 30              |
| MSD % Recov.:      | 110             | 110             | 100            | 100             |
| <br>               | <br>            | <br>            | <br>           | <br>            |
| RPD:               | 0.0             | 0.0             | 9.5            | 6.5             |
| RPD Limit:         | 0-50            | 0-50            | 0-50           | 0-50            |

LCS #:

Prepared Date:  
Analyzed Date:  
Instrument I.D. #:  
Conc. Spiked:

LCS Result:  
LCS % Recov.:

| MS/MSD<br>LCS<br>Control Limits | 71-133 | 72-128 | 72-130 | 71-120 |
|---------------------------------|--------|--------|--------|--------|
|                                 |        |        |        |        |

Please Note:

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

*W*  
**SEQUOIA ANALYTICAL**

Eileen A. Manning  
Project Manager

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

9503I76.ERL <9>

## CHAIN OF CUSTODY / SAMPLE ANALYSIS REQUEST

Erler &amp; Kalinowski, Inc.

Project Number: 940018.00

Project Name: Sybase

Source of Samples: monitoring wells

Location: 64<sup>th</sup> + 65<sup>th</sup> Street Prop., Emeryville

Analytical Laboratory: Sequoia Analytical

Date Sampled: 23 March 1995

Sampled By: R.D. Lion / G.L. Clark

Report Results To: Paul Hoffer

Phone Number: 415) 578-1172

| Lab Sample ID | Field Sample ID | Sample Type | Number and Type of Containments | Time Collected | Analyses Requested (EPA Method Number)                  | Results Required By (Date/Time) |
|---------------|-----------------|-------------|---------------------------------|----------------|---------------------------------------------------------|---------------------------------|
| 01            | MW-4            | water       | 3-amber liters                  | 11:15          | PNA - EPA Method 8100, and TEPH-fuel fingerprint (8015) | STANDARDS                       |
| ↓             | MW-4            | water       | 2 voas w/ HCl                   | 11:15          | TPPH w/ BTEX (8015/8020 mod.)                           |                                 |
| ↓             | MW-4            | water       | 4 voas                          | 11:15          | VOCS - 8010, and Industrial Solvent Scan (8015 mod)     |                                 |
| ↓             | MW-4            | water       | 1 plastic liter                 | 11:15          | ICP Metals (As, Pb, Cr)                                 |                                 |
| 02            | MW-3            | water       | 3-amber liters                  | 12:55          | PNA - 8100, and TEPH-fuel fingerprint (8015)            |                                 |
| ↓             | MW-3            | water       | 2 voas w/ HCl                   | 12:55          | TPPH w/ BTEX (8015/8020 mod.)                           |                                 |
| ↓             | MW-3            | water       | 4 voas                          | 12:55          | VOCS - 8010, and Industrial Solvent Scan (8015 mod)     |                                 |
| ↓             | MW-3            | water       | 1 plastic liter                 | 12:55          | ICP Metals (As, Pb, Cr)                                 |                                 |
| 03            | MW-2            | water       | 3-amber liters                  | 2:15           | PNA - 8100, and TEPH-fuel fingerprint (8015)            |                                 |
| ↓             | MW-2            | water       | 2 voas w/ HCl                   | 2:15           | TPPH w/ BTEX (8015/8020 mod.)                           |                                 |

Special Instructions:

Relinquished By:  
Name / Signature / AffiliationR.D. Lion / Roger Lion  
/ EKI

Date

Time

Received By:  
Name / Signature / Affiliation

G.L. Clark / G.L. Clark

3/23/95 1642

page 2 / 2

**CHAIN OF CUSTODY / SAMPLE ANALYSIS REQUEST**

Erler & Kalinowski, Inc.

Project Number: 940018.00

Project Name: Sybase

Source of Samples: monitoring wells

Location: 64<sup>th</sup> & 65<sup>th</sup> Street Prop., Emeryville

Analytical Laboratory: Sequoia Analytical

Date Sampled: 23 March 1995

Sampled By: G.L.Clark / R.D.Lion

Report Results To: Paul Hoffey

Phone Number: 415) 578-1172

**Special Instructions:**

Relinquished By:

Name / Signature / Affiliation

date      time

Received By:

Name / signature / affiliation

Name / Signature / Affiliation

3/23/6 16-43

*[Signature]*

Roger D. Linn / KGPW / May 19

1-23/93 16:1

1

*El Dorado* 3-73-95



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

**COPY**

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Client Proj. ID: 940018.00, Sybase  
Lab Proj. ID: 9503I77

Attention: Paul Hoffey

Sampled: 03/24/95  
Received: 03/24/95

Analyzed: see below

Reported: 04/07/95

### LABORATORY ANALYSIS

| Analyte                    | Units | Date Analyzed | Detection Limit | Sample Results |
|----------------------------|-------|---------------|-----------------|----------------|
| <hr/>                      |       |               |                 |                |
| Lab No: 9503I77-01         |       |               |                 |                |
| Sample Desc : LIQUID,RMW-1 |       |               |                 |                |
| Arsenic                    | mg/L  | 03/31/95      | 0.0050          | N.D.           |
| Chromium                   | mg/L  | 03/31/95      | 0.010           | N.D.           |
| Lead                       | mg/L  | 04/04/95      | 0.0050          | N.D.           |
| Lab No: 9503I77-03         |       |               |                 |                |
| Sample Desc : LIQUID,RMW-2 |       |               |                 |                |
| Arsenic                    | mg/L  | 03/31/95      | 0.0050          | 0.0076         |
| Chromium                   | mg/L  | 03/31/95      | 0.010           | N.D.           |
| Lead                       | mg/L  | 04/04/95      | 0.0050          | N.D.           |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page: 1



Sequoia  
Analytical

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Client Proj. ID: 940018.00, Sybase  
Lab Proj. ID: 9503I77

Attention: Paul Hoffey

Sampled:  
Received: 03/24/95  
Analyzed: see below

Reported: 04/07/95

### LABORATORY ANALYSIS

| Analyte       | Units               | Date Analyzed | Detection Limit | Sample Results |
|---------------|---------------------|---------------|-----------------|----------------|
| Lab No:       | 9503I77-04          |               |                 |                |
| Sample Desc : | LIQUID,Method Blank |               |                 |                |
| Arsenic       | mg/L                | 03/31/95      | 0.0050          | N.D.           |
| Chromium      | mg/L                | 03/31/95      | 0.010           | N.D.           |
| Lead          | mg/L                | 04/04/95      | 0.0050          | N.D.           |

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

SEQUOIA ANALYTICAL - ELAP #1210

Eileen Manning  
Project Manager

Page:

2



**Sequoia  
Analytical**

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: RMW-1  
Matrix: LIQUID  
Analysis Method: EPA 8010  
Lab Number: 9503177-01

Sampled: 03/24/95  
Received: 03/24/95  
Analyzed: 04/05/95  
Reported: 04/10/95

QC Batch Number: GC040195801008A  
Instrument ID: GCHP8

### Halogenated Volatile Organics (EPA 8010)

| Analyte                   | Detection Limit<br>ug/L | Sample Results<br>ug/L |
|---------------------------|-------------------------|------------------------|
| Bromodichloromethane      | 1.2                     | N.D.                   |
| Bromoform                 | 1.2                     | N.D.                   |
| Bromomethane              | 2.5                     | N.D.                   |
| Carbon Tetrachloride      | 1.2                     | N.D.                   |
| Chlorobenzene             | 1.2                     | N.D.                   |
| Chloroethane              | 2.5                     | N.D.                   |
| 2-Chloroethylvinyl ether  | 2.5                     | N.D.                   |
| Chloroform                | 1.2                     | N.D.                   |
| Chloromethane             | 2.5                     | N.D.                   |
| Dibromochloromethane      | 1.2                     | N.D.                   |
| 1,2-Dichlorobenzene       | 1.2                     | N.D.                   |
| 1,3-Dichlorobenzene       | 1.2                     | N.D.                   |
| 1,4-Dichlorobenzene       | 1.2                     | N.D.                   |
| 1,1-Dichloroethane        | 1.2                     | N.D.                   |
| <b>1,2-Dichloroethane</b> | <b>1.2</b>              | <b>1.4</b>             |
| 1,1-Dichloroethene        | 1.2                     | N.D.                   |
| cis-1,2-Dichloroethene    | 1.2                     | 16                     |
| trans-1,2-Dichloroethene  | 1.2                     | 10                     |
| 1,2-Dichloropropane       | 1.2                     | N.D.                   |
| cis-1,3-Dichloropropene   | 1.2                     | N.D.                   |
| trans-1,3-Dichloropropene | 1.2                     | N.D.                   |
| Methylene chloride        | 12                      | N.D.                   |
| 1,1,2,2-Tetrachloroethane | 1.2                     | N.D.                   |
| Tetrachloroethene         | 1.2                     | N.D.                   |
| 1,1,1-Trichloroethane     | 1.2                     | N.D.                   |
| 1,1,2-Trichloroethane     | 1.2                     | N.D.                   |
| <b>Trichloroethene</b>    | <b>1.2</b>              | <b>53</b>              |
| Trichlorofluoromethane    | 1.2                     | N.D.                   |
| Vinyl chloride            | 2.5                     | N.D.                   |
| Freon 113                 | 2.5                     | N.D.                   |

| Surrogates               | Control Limits % | % Recovery |
|--------------------------|------------------|------------|
| 1-Chloro-2-fluorobenzene | 70 130           | 91         |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page: 3



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

QC Batch Number: GC0329958100EXZ  
Instrument ID: GCHP11

Client Proj. ID: 940018.00, Sybase  
Sample Descript: RMW-1  
Matrix: LIQUID  
Analysis Method: EPA 8100  
Lab Number: 9503177-01

Sampled: 03/24/95  
Received: 03/24/95  
Extracted: 03/29/95  
Analyzed: 03/31/95  
Reported: 04/07/95

### Polynuclear Aromatic Hydrocarbons (EPA 8100)

| Analyte                | Detection Limit<br>ug/L | Sample Results<br>ug/L |
|------------------------|-------------------------|------------------------|
| Acenaphthene           | 5.0                     | N.D.                   |
| Acenaphthylene         | 5.0                     | N.D.                   |
| Anthracene             | 5.0                     | N.D.                   |
| Benzo(a)anthracene     | 5.0                     | N.D.                   |
| Benzo(a)pyrene         | 5.0                     | N.D.                   |
| Benzo(b)fluoranthene   | 5.0                     | N.D.                   |
| Benzo(g,h,i)perylene   | 5.0                     | N.D.                   |
| Benzo(k)fluoranthene   | 5.0                     | N.D.                   |
| Chrysene               | 5.0                     | N.D.                   |
| Dibenzo(a,h)anthracene | 5.0                     | N.D.                   |
| Fluoranthene           | 5.0                     | N.D.                   |
| Fluorene               | 5.0                     | N.D.                   |
| Indeno(1,2,3-cd)pyrene | 5.0                     | N.D.                   |
| Naphthalene            | 5.0                     | N.D.                   |
| Phenanthrene           | 5.0                     | N.D.                   |
| Pyrene                 | 5.0                     | N.D.                   |
| Surrogates             |                         |                        |
| 2-Fluorobiphenyl       | 50      150             | % Recovery<br>73       |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

4



**Sequoia  
Analytical**

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: RMW-1  
Matrix: LIQUID  
Analysis Method: EPA 8015 Mod  
Lab Number: 9503177-01

Sampled: 03/24/95  
Received: 03/24/95  
Extracted: 03/29/95  
Analyzed: 04/04/95  
Reported: 04/10/95

QC Batch Number: GC032995OHBPEXA  
Instrument ID: GCHP4B

### Fuel Fingerprint

| Analyte                  | Detection Limit<br>ug/L    | Sample Results<br>ug/L |
|--------------------------|----------------------------|------------------------|
| Extractable Hydrocarbons | .....                      | 210                    |
| Chromatogram Pattern:    |                            |                        |
| Unidentified HC          | .....                      | C13-C24                |
| Surrogates               |                            |                        |
| n-Pentacosane (C25)      | Control Limits %<br>50 150 | % Recovery<br>130      |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page: 5



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: RMW-1  
Matrix: LIQUID  
Analysis Method: EPA 8015 Mod  
Lab Number: 9503177-01

Sampled: 03/24/95  
Received: 03/24/95  
Analyzed: 04/04/95  
Reported: 04/07/95

QC Batch Number: GC040495ISHSHSA  
Instrument ID: GCV1

### Industrial Solvents

| Analyte                | Detection Limit<br>mg/L | Sample Results<br>mg/L |
|------------------------|-------------------------|------------------------|
| Acetone                | 0.40                    | N.D.                   |
| Acetonitrile           | 1.0                     | N.D.                   |
| Benzene                | 0.020                   | N.D.                   |
| iso-Butanol            | 1.0                     | N.D.                   |
| n-Butanol              | 1.0                     | N.D.                   |
| sec-Butanol            | 1.0                     | N.D.                   |
| t-Butanol              | 0.50                    | N.D.                   |
| Carbon tetrachloride   | 0.20                    | N.D.                   |
| Chloroform             | 0.20                    | N.D.                   |
| Cyclohexane            | 0.040                   | N.D.                   |
| 1,2-Dichloroethane     | 0.20                    | N.D.                   |
| t-1,2-Dichloroethene   | 0.10                    | N.D.                   |
| Ethanol                | 1.0                     | N.D.                   |
| Ethyl acetate          | 0.20                    | N.D.                   |
| Ethyl benzene          | 0.020                   | N.D.                   |
| Ethyl ether            | 0.020                   | N.D.                   |
| Freon 113              | 0.20                    | N.D.                   |
| Hexane                 | 0.10                    | N.D.                   |
| Methanol               | 1.0                     | N.D.                   |
| Methyl ethyl ketone    | 0.20                    | N.D.                   |
| Methyl isobutyl ketone | 0.20                    | N.D.                   |
| Methylene chloride     | 0.20                    | N.D.                   |
| iso-Octane             | 0.020                   | N.D.                   |
| iso-Propanol           | 1.0                     | N.D.                   |
| n-Propanol             | 1.0                     | N.D.                   |
| n-Propyl benzene       | 0.020                   | N.D.                   |
| Tetrachloroethylene    | 0.10                    | N.D.                   |
| Tetrahydrofuran        | 0.40                    | N.D.                   |
| 1,1,1-Trichloroethane  | 0.10                    | N.D.                   |
| Trichloroethylene      | 0.10                    | N.D.                   |
| Toluene                | 0.020                   | N.D.                   |
| m-Xylene               | 0.020                   | N.D.                   |
| o-Xylene               | 0.020                   | N.D.                   |
| p-Xylene               | 0.020                   | N.D.                   |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

6



**Sequoia  
Analytical**

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: RMW-1  
Matrix: LIQUID  
Analysis Method: 8015Mod/8020  
Lab Number: 9503177-01

Sampled: 03/24/95  
Received: 03/24/95  
  
Analyzed: 04/03/95  
Reported: 04/07/95

QC Batch Number: GC040395BTEX17A  
Instrument ID: GCHP17

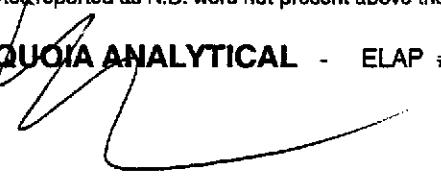
### Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

| Analyte               | Detection Limit<br>ug/L | Sample Results<br>ug/L |
|-----------------------|-------------------------|------------------------|
| TPPH as Gas           | 50                      | N.D.                   |
| Benzene               | 0.50                    | N.D.                   |
| Toluene               | 0.50                    | N.D.                   |
| Ethyl Benzene         | 0.50                    | N.D.                   |
| Xylenes (Total)       | 0.50                    | N.D.                   |
| Chromatogram Pattern: |                         |                        |

| Surrogates       | Control Limits % | % Recovery |
|------------------|------------------|------------|
| Trifluorotoluene | 70 130           | 112        |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

  
Eileen Manning  
Project Manager

Page: 7



Sequoia  
Analytical

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

QC Batch Number: GC040195801008A  
Instrument ID: GCHP8

Client Proj. ID: 940018.00, Sybase  
Sample Descript: R-1Dup  
Matrix: LIQUID  
Analysis Method: EPA 8010  
Lab Number: 9503177-02

Sampled: 03/24/95  
Received: 03/24/95  
Analyzed: 04/05/95  
Reported: 04/10/95

### Halogenated Volatile Organics (EPA 8010)

| Analyte                          | Detection Limit<br>ug/L | Sample Results<br>ug/L |
|----------------------------------|-------------------------|------------------------|
| Bromodichloromethane             | 1.2                     | N.D.                   |
| Bromoform                        | 1.2                     | N.D.                   |
| Bromomethane                     | 2.5                     | N.D.                   |
| Carbon Tetrachloride             | 1.2                     | N.D.                   |
| Chlorobenzene                    | 1.2                     | N.D.                   |
| Chloroethane                     | 2.5                     | N.D.                   |
| 2-Chloroethylvinyl ether         | 2.5                     | N.D.                   |
| Chloroform                       | 1.2                     | N.D.                   |
| Chloromethane                    | 2.5                     | N.D.                   |
| Dibromochloromethane             | 1.2                     | N.D.                   |
| 1,2-Dichlorobenzene              | 1.2                     | N.D.                   |
| 1,3-Dichlorobenzene              | 1.2                     | N.D.                   |
| 1,4-Dichlorobenzene              | 1.2                     | N.D.                   |
| 1,1-Dichloroethane               | 1.2                     | N.D.                   |
| <b>1,2-Dichloroethane</b>        | <b>1.2</b>              | <b>1.3</b>             |
| 1,1-Dichloroethene               | 1.2                     | N.D.                   |
| <b>cis-1,2-Dichloroethene</b>    | <b>1.2</b>              | <b>15</b>              |
| <b>trans-1,2-Dichloroethene</b>  | <b>1.2</b>              | <b>9.7</b>             |
| 1,2-Dichloropropane              | 1.2                     | N.D.                   |
| <b>cis-1,3-Dichloropropene</b>   | <b>1.2</b>              | <b>N.D.</b>            |
| <b>trans-1,3-Dichloropropene</b> | <b>1.2</b>              | <b>N.D.</b>            |
| Methylene chloride               | 12                      | N.D.                   |
| 1,1,2,2-Tetrachloroethane        | 1.2                     | N.D.                   |
| Tetrachloroethene                | 1.2                     | N.D.                   |
| 1,1,1-Trichloroethane            | 1.2                     | N.D.                   |
| 1,1,2-Trichloroethane            | 1.2                     | N.D.                   |
| <b>Trichloroethene</b>           | <b>1.2</b>              | <b>51</b>              |
| Trichlorofluoromethane           | 1.2                     | N.D.                   |
| Vinyl chloride                   | 2.5                     | N.D.                   |
| Freon 113                        | 2.5                     | N.D.                   |

| Surrogates               | Control Limits % | % Recovery |
|--------------------------|------------------|------------|
| 1-Chloro-2-fluorobenzene | 70               | 130        |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

8



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: R-1Dup  
Matrix: LIQUID  
Analysis Method: EPA 8015 Mod  
Lab Number: 9503177-02

Sampled: 03/24/95  
Received: 03/24/95  
Extracted: 03/29/95  
Analyzed: 04/01/95  
Reported: 04/07/95

QC Batch Number: GC0329950HBPEXA  
Instrument ID: GCHP5B

### Fuel Fingerprint

| Analyte                  | Detection Limit<br>ug/L | Sample Results<br>ug/L |
|--------------------------|-------------------------|------------------------|
| Extractable Hydrocarbons | .....                   | 50                     |
| Chromatogram Pattern:    |                         | .....                  |
| Unidentified HC          | .....                   | C10-C24                |
| Surrogates               | Control Limits %        | % Recovery             |
| n-Pentacosane (C25)      | 50 150                  | 105                    |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page: 9



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: R-1Dup  
Matrix: LIQUID  
Analysis Method: 8015Mod/8020  
Lab Number: 9503177-02

Sampled: 03/24/95  
Received: 03/24/95  
Analyzed: 04/03/95  
Reported: 04/07/95

QC Batch Number: GC040395BTEX17A  
Instrument ID: GCHP17

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

| Analyte               | Detection Limit<br>ug/L | Sample Results<br>ug/L |
|-----------------------|-------------------------|------------------------|
| TPPH as Gas           | 50                      | N.D.                   |
| Benzene               | 0.50                    | N.D.                   |
| Toluene               | 0.50                    | N.D.                   |
| Ethyl Benzene         | 0.50                    | N.D.                   |
| Xylenes (Total)       | 0.50                    | N.D.                   |
| Chromatogram Pattern: |                         |                        |
| Surrogates            | Control Limits %        | % Recovery             |
| Trifluorotoluene      | 70 130                  | 111                    |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager



**Sequoia  
Analytical**

|                                                                          |                                                                          |                                                    |                                                                |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|
| 680 Chesapeake Drive<br>404 N. Wiget Lane<br>819 Striker Avenue, Suite 8 | Redwood City, CA 94063<br>Walnut Creek, CA 94598<br>Sacramento, CA 95834 | (415) 364-9600<br>(510) 988-9600<br>(916) 921-9600 | FAX (415) 364-9233<br>FAX (510) 988-9673<br>FAX (916) 921-0100 |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: RMW-2  
Matrix: LIQUID  
Analysis Method: EPA 8010  
Lab Number: 9503I77-03

Sampled: 03/24/95  
Received: 03/24/95  
Analyzed: 04/05/95  
Reported: 04/10/95

QC Batch Number: GC040195801008A  
Instrument ID: GCHP8

### Halogenated Volatile Organics (EPA 8010)

| Analyte                   | Detection Limit<br>ug/L | Sample Results<br>ug/L |
|---------------------------|-------------------------|------------------------|
| Bromodichloromethane      | 0.50                    | N.D.                   |
| Bromoform                 | 0.50                    | N.D.                   |
| Bromomethane              | 1.0                     | N.D.                   |
| Carbon Tetrachloride      | 0.50                    | N.D.                   |
| Chlorobenzene             | 0.50                    | N.D.                   |
| Chloroethane              | 1.0                     | N.D.                   |
| 2-Chloroethylvinyl ether  | 1.0                     | N.D.                   |
| Chloroform                | 0.50                    | N.D.                   |
| Chloromethane             | 1.0                     | N.D.                   |
| Dibromochloromethane      | 0.50                    | N.D.                   |
| 1,2-Dichlorobenzene       | 0.50                    | N.D.                   |
| 1,3-Dichlorobenzene       | 0.50                    | N.D.                   |
| 1,4-Dichlorobenzene       | 0.50                    | N.D.                   |
| 1,1-Dichloroethane        | 0.50                    | N.D.                   |
| <b>1,2-Dichloroethane</b> | <b>0.50</b>             | <b>0.96</b>            |
| 1,1-Dichloroethene        | 0.50                    | N.D.                   |
| cis-1,2-Dichloroethene    | 0.50                    | 12                     |
| trans-1,2-Dichloroethene  | 0.50                    | 8.4                    |
| 1,2-Dichloropropane       | 0.50                    | N.D.                   |
| cis-1,3-Dichloropropene   | 0.50                    | N.D.                   |
| trans-1,3-Dichloropropene | 0.50                    | N.D.                   |
| Methylene chloride        | 5.0                     | N.D.                   |
| 1,1,2,2-Tetrachloroethane | 0.50                    | N.D.                   |
| Tetrachloroethene         | 0.50                    | N.D.                   |
| 1,1,1-Trichloroethane     | 0.50                    | N.D.                   |
| 1,1,2-Trichloroethane     | 0.50                    | N.D.                   |
| <b>Trichloroethene</b>    | <b>0.50</b>             | <b>26</b>              |
| Trichlorofluoromethane    | 0.50                    | N.D.                   |
| Vinyl chloride            | 1.0                     | N.D.                   |
| Freon 113                 | 1.0                     | N.D.                   |

#### Surrogates

1-Chloro-2-fluorobenzene

Control Limits %

70                    130

% Recovery

90

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

11



**Sequoia  
Analytical**

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: RMW-2  
Matrix: LIQUID  
Analysis Method: EPA 8100  
Lab Number: 9503177-03

Sampled: 03/24/95  
Received: 03/24/95  
Extracted: 03/29/95  
Analyzed: 03/31/95  
Reported: 04/07/95

QC Batch Number: GC0329958100EXZ  
Instrument ID: GCHP11

### Polynuclear Aromatic Hydrocarbons (EPA 8100)

| Analyte                | Detection Limit<br>ug/L    | Sample Results<br>ug/L |
|------------------------|----------------------------|------------------------|
| Acenaphthene           | 5.0                        | N.D.                   |
| Acenaphthylene         | 5.0                        | N.D.                   |
| Anthracene             | 5.0                        | N.D.                   |
| Benzo(a)anthracene     | 5.0                        | N.D.                   |
| Benzo(a)pyrene         | 5.0                        | N.D.                   |
| Benzo(b)fluoranthene   | 5.0                        | N.D.                   |
| Benzo(g,h,i)perylene   | 5.0                        | N.D.                   |
| Benzo(k)fluoranthene   | 5.0                        | N.D.                   |
| Chrysene               | 5.0                        | N.D.                   |
| Dibenz(a,h)anthracene  | 5.0                        | N.D.                   |
| Fluoranthene           | 5.0                        | N.D.                   |
| Fluorene               | 5.0                        | N.D.                   |
| Indeno(1,2,3-cd)pyrene | 5.0                        | N.D.                   |
| Naphthalene            | 5.0                        | N.D.                   |
| Phenanthrene           | 5.0                        | N.D.                   |
| Pyrene                 | 5.0                        | N.D.                   |
| Surrogates             |                            |                        |
| 2-Fluorobiphenyl       | Control Limits %<br>50 150 | % Recovery<br>81       |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

12



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: RMW-2  
Matrix: LIQUID  
Analysis Method: EPA 8015 Mod  
Lab Number: 9503I77-03

Sampled: 03/24/95  
Received: 03/24/95  
Extracted: 03/29/95  
Analyzed: 04/01/95  
Reported: 04/07/95

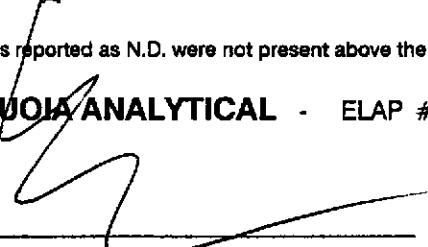
QC Batch Number: GC0329950HBPEXA  
Instrument ID: GCHP5B

### Fuel Fingerprint

| Analyte                  | Detection Limit<br>ug/L | Sample Results<br>ug/L |
|--------------------------|-------------------------|------------------------|
| Extractable Hydrocarbons | .....                   | 50                     |
| Chromatogram Pattern:    |                         | .....                  |
| Unidentified HC          | .....                   | C10-C24                |
| Surrogates               |                         | Control Limits %       |
| n-Pentacosane (C25)      | 50                      | 150                    |
|                          |                         | % Recovery             |
|                          |                         | 108                    |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

  
Eileen Manning  
Project Manager

Page:

13



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: RMW-2  
Matrix: LIQUID  
Analysis Method: EPA 8015 Mod  
Lab Number: 9503177-03

Sampled: 03/24/95  
Received: 03/24/95  
Analyzed: 04/04/95  
Reported: 04/07/95

QC Batch Number: GC040495ISHSHSA  
Instrument ID: GCV1

### Industrial Solvents

| Analyte                | Detection Limit<br>mg/L | Sample Results<br>mg/L |
|------------------------|-------------------------|------------------------|
| Acetone                | 0.40                    | N.D.                   |
| Acetonitrile           | 1.0                     | N.D.                   |
| Benzene                | 0.020                   | N.D.                   |
| iso-Butanol            | 1.0                     | N.D.                   |
| n-Butanol              | 1.0                     | N.D.                   |
| sec-Butanol            | 1.0                     | N.D.                   |
| t-Butanol              | 0.50                    | N.D.                   |
| Carbon tetrachloride   | 0.20                    | N.D.                   |
| Chloroform             | 0.20                    | N.D.                   |
| Cyclohexane            | 0.040                   | N.D.                   |
| 1,2-Dichloroethane     | 0.20                    | N.D.                   |
| t-1,2-Dichloroethene   | 0.10                    | N.D.                   |
| Ethanol                | 1.0                     | N.D.                   |
| Ethyl acetate          | 0.20                    | N.D.                   |
| Ethyl benzene          | 0.020                   | N.D.                   |
| Ethyl ether            | 0.020                   | N.D.                   |
| Freon 113              | 0.20                    | N.D.                   |
| Hexane                 | 0.10                    | N.D.                   |
| Methanol               | 1.0                     | N.D.                   |
| Methyl ethyl ketone    | 0.20                    | N.D.                   |
| Methyl isobutyl ketone | 0.20                    | N.D.                   |
| Methylene chloride     | 0.20                    | N.D.                   |
| iso-Octane             | 0.020                   | N.D.                   |
| iso-Propanol           | 1.0                     | N.D.                   |
| n-Propanol             | 1.0                     | N.D.                   |
| n-Propyl benzene       | 0.020                   | N.D.                   |
| Tetrachloroethylene    | 0.10                    | N.D.                   |
| Tetrahydrofuran        | 0.40                    | N.D.                   |
| 1,1,1-Trichloroethane  | 0.10                    | N.D.                   |
| Trichloroethylene      | 0.10                    | N.D.                   |
| Toluene                | 0.020                   | N.D.                   |
| m-Xylene               | 0.020                   | N.D.                   |
| o-Xylene               | 0.020                   | N.D.                   |
| p-Xylene               | 0.020                   | N.D.                   |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

14



**Sequoia  
Analytical**

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Starker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: RMW-2  
Matrix: LIQUID  
Analysis Method: 8015Mod/8020  
Lab Number: 9503I77-03

Sampled: 03/24/95  
Received: 03/24/95  
  
Analyzed: 04/03/95  
Reported: 04/07/95

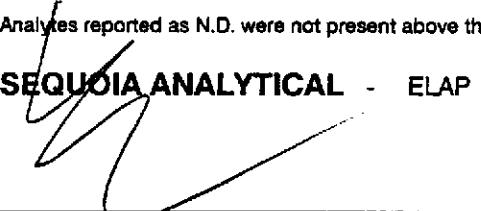
QC Batch Number: GC040395BTEX17A  
Instrument ID: GCHP17

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

| Analyte               | Detection Limit<br>ug/L | Sample Results<br>ug/L |
|-----------------------|-------------------------|------------------------|
| TPPH as Gas           | 50                      | N.D.                   |
| Benzene               | 0.50                    | N.D.                   |
| Toluene               | 0.50                    | N.D.                   |
| Ethyl Benzene         | 0.50                    | N.D.                   |
| Xylenes (Total)       | 0.50                    | N.D.                   |
| Chromatogram Pattern: |                         |                        |
| <br>                  |                         |                        |
| <b>Surrogates</b>     | <b>Control Limits %</b> | <b>% Recovery</b>      |
| Trifluorotoluene      | 70                      | 130                    |
|                       |                         |                        |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

  
Eileen Manning  
Project Manager

Page:

15



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Client Proj. ID: 940018.00, Sybase  
Sample Descript: Method Blank  
Matrix: LIQUID  
Analysis Method: EPA 8100  
Lab Number: 9503I77-04

Sampled:  
Received: 03/24/95  
Extracted: 03/29/95  
Analyzed: 03/30/95  
Reported: 04/07/95

Attention: Paul Hoffey

QC Batch Number: GC0329958100EXZ  
Instrument ID: GCHP11

### Polynuclear Aromatic Hydrocarbons (EPA 8100)

| Analyte                | Detection Limit<br>ug/L         | Sample Results<br>ug/L |
|------------------------|---------------------------------|------------------------|
| Acenaphthene           | 5.0                             | N.D.                   |
| Acenaphthylene         | 5.0                             | N.D.                   |
| Anthracene             | 5.0                             | N.D.                   |
| Benzo(a)anthracene     | 5.0                             | N.D.                   |
| Benzo(a)pyrene         | 5.0                             | N.D.                   |
| Benzo(b)fluoranthene   | 5.0                             | N.D.                   |
| Benzo(g,h,i)perylene   | 5.0                             | N.D.                   |
| Benzo(k)fluoranthene   | 5.0                             | N.D.                   |
| Chrysene               | 5.0                             | N.D.                   |
| Dibenz(a,h)anthracene  | 5.0                             | N.D.                   |
| Fluoranthene           | 5.0                             | N.D.                   |
| Fluorene               | 5.0                             | N.D.                   |
| Indeno(1,2,3-cd)pyrene | 5.0                             | N.D.                   |
| Naphthalene            | 5.0                             | N.D.                   |
| Phenanthrene           | 5.0                             | N.D.                   |
| Pyrene                 | 5.0                             | N.D.                   |
| Surrogates             |                                 |                        |
| 2-Fluorobiphenyl       | Control Limits %<br>50      150 | % Recovery<br>50       |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

16



**Sequoia  
Analytical**

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: Method Blank  
Matrix: LIQUID  
Analysis Method: EPA 8015 Mod  
Lab Number: 9503177-04

Sampled:  
Received: 03/24/95  
Extracted: 03/29/95  
Analyzed: 03/29/95  
Reported: 04/07/95

QC Batch Number: GC0329950HBPEXA  
Instrument ID: GCHP5A

### Fuel Fingerprint

| Analyte                                           | Detection Limit<br>ug/L         | Sample Results<br>ug/L |
|---------------------------------------------------|---------------------------------|------------------------|
| Extractable Hydrocarbons<br>Chromatogram Pattern: | 50                              | N.D.                   |
| Surrogates<br>n-Pentacosane (C25)                 | Control Limits %<br>50      150 | % Recovery<br>107      |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page: 17



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: Method Blank  
Matrix: LIQUID  
Analysis Method: 8015Mod/8020  
Lab Number: 9503177-04

Sampled:  
Received: 03/24/95  
Analyzed: 04/03/95  
Reported: 04/07/95

QC Batch Number: GC040395BTEX17A  
Instrument ID: GCHP17

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

| Analyte               | Detection Limit<br>ug/L | Sample Results<br>ug/L |
|-----------------------|-------------------------|------------------------|
| TPPH as Gas           | 50                      | N.D.                   |
| Benzene               | 0.50                    | N.D.                   |
| Toluene               | 0.50                    | N.D.                   |
| Ethyl Benzene         | 0.50                    | N.D.                   |
| Xylenes (Total)       | 0.50                    | N.D.                   |
| Chromatogram Pattern: |                         |                        |

| Surrogates       | Control Limits % | % Recovery |
|------------------|------------------|------------|
| Trifluorotoluene | 70      130      | 111        |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

18



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: Method Blank  
Matrix: LIQUID  
Analysis Method: EPA 8010  
Lab Number: 9503177-04

Sampled:  
Received: 03/24/95  
Analyzed: 04/05/95  
Reported: 04/10/95

QC Batch Number: GC040195801008A  
Instrument ID: GCHP8

### Halogenated Volatile Organics (EPA 8010)

| Analyte                   | Detection Limit<br>ug/L | Sample Results<br>ug/L |
|---------------------------|-------------------------|------------------------|
| Bromodichloromethane      | 0.50                    | N.D.                   |
| Bromoform                 | 0.50                    | N.D.                   |
| Bromomethane              | 1.0                     | N.D.                   |
| Carbon Tetrachloride      | 0.50                    | N.D.                   |
| Chlorobenzene             | 0.50                    | N.D.                   |
| Chloroethane              | 1.0                     | N.D.                   |
| 2-Chloroethylvinyl ether  | 1.0                     | N.D.                   |
| Chloroform                | 0.50                    | N.D.                   |
| Chloromethane             | 1.0                     | N.D.                   |
| Dibromochloromethane      | 0.50                    | N.D.                   |
| 1,2-Dichlorobenzene       | 0.50                    | N.D.                   |
| 1,3-Dichlorobenzene       | 0.50                    | N.D.                   |
| 1,4-Dichlorobenzene       | 0.50                    | N.D.                   |
| 1,1-Dichloroethane        | 0.50                    | N.D.                   |
| 1,2-Dichloroethane        | 0.50                    | N.D.                   |
| 1,1-Dichloroethene        | 0.50                    | N.D.                   |
| cis-1,2-Dichloroethene    | 0.50                    | N.D.                   |
| trans-1,2-Dichloroethene  | 0.50                    | N.D.                   |
| 1,2-Dichloropropane       | 0.50                    | N.D.                   |
| cis-1,3-Dichloropropene   | 0.50                    | N.D.                   |
| trans-1,3-Dichloropropene | 0.50                    | N.D.                   |
| Methylene chloride        | 5.0                     | N.D.                   |
| 1,1,2,2-Tetrachloroethane | 0.50                    | N.D.                   |
| Tetrachloroethene         | 0.50                    | N.D.                   |
| 1,1,1-Trichloroethane     | 0.50                    | N.D.                   |
| 1,1,2-Trichloroethane     | 0.50                    | N.D.                   |
| Trichloroethene           | 0.50                    | N.D.                   |
| Trichlorofluoromethane    | 0.50                    | N.D.                   |
| Vinyl chloride            | 1.0                     | N.D.                   |
| Freon 113                 | 1.0                     | N.D.                   |

| Surrogates               | Control Limits % | % Recovery |
|--------------------------|------------------|------------|
| 1-Chloro-2-fluorobenzene | 70 130           | 71         |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

19



**Sequoia  
Analytical**

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wicket Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: Method Blank  
Matrix: LIQUID  
Analysis Method: EPA 8015 Mod  
Lab Number: 9503177-04

Sampled:  
Received: 03/24/95  
  
Analyzed: 04/04/95  
Reported: 04/07/95

QC Batch Number: GC040495SHSHSA  
Instrument ID: GCV1

### Industrial Solvents

| Analyte                | Detection Limit<br>mg/L | Sample Results<br>mg/L |
|------------------------|-------------------------|------------------------|
| Acetone                | 0.40                    | N.D.                   |
| Acetonitrile           | 1.0                     | N.D.                   |
| Benzene                | 0.020                   | N.D.                   |
| iso-Butanol            | 1.0                     | N.D.                   |
| n-Butanol              | 1.0                     | N.D.                   |
| sec-Butanol            | 1.0                     | N.D.                   |
| t-Butanol              | 0.50                    | N.D.                   |
| Carbon tetrachloride   | 0.20                    | N.D.                   |
| Chloroform             | 0.20                    | N.D.                   |
| Cyclohexane            | 0.040                   | N.D.                   |
| 1,2-Dichloroethane     | 0.20                    | N.D.                   |
| t-1,2-Dichloroethene   | 0.10                    | N.D.                   |
| Ethanol                | 1.0                     | N.D.                   |
| Ethyl acetate          | 0.20                    | N.D.                   |
| Ethyl benzene          | 0.020                   | N.D.                   |
| Ethyl ether            | 0.020                   | N.D.                   |
| Freon 113              | 0.20                    | N.D.                   |
| Hexane                 | 0.10                    | N.D.                   |
| Methanol               | 1.0                     | N.D.                   |
| Methyl ethyl ketone    | 0.20                    | N.D.                   |
| Methyl isobutyl ketone | 0.20                    | N.D.                   |
| Methylene chloride     | 0.20                    | N.D.                   |
| iso-Octane             | 0.020                   | N.D.                   |
| iso-Propanol           | 1.0                     | N.D.                   |
| n-Propanol             | 1.0                     | N.D.                   |
| n-Propyl benzene       | 0.020                   | N.D.                   |
| Tetrachloroethylene    | 0.10                    | N.D.                   |
| Tetrahydrofuran        | 0.40                    | N.D.                   |
| 1,1,1-Trichloroethane  | 0.10                    | N.D.                   |
| Trichloroethylene      | 0.10                    | N.D.                   |
| Toluene                | 0.020                   | N.D.                   |
| m-Xylene               | 0.020                   | N.D.                   |
| o-Xylene               | 0.020                   | N.D.                   |
| p-Xylene               | 0.020                   | N.D.                   |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

20



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Lab Proj. ID: 9503I77

Received: 03/24/95  
Reported: 04/10/95

## LABORATORY NARRATIVE

**Please Note:**

Samples 9503I77-01, -02 and -03 were quantitated against a diesel standard (the default standard) since no fuel pattern was discernible in the Fuel Fingerprint Analysis. These samples were quantitated in the carbon range listed on the report; however, the chromatogram patterns for all of the aforementioned samples extended at least to C36.

**SEQUOIA ANALYTICAL**

Eileen Manning  
Project Manager



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
 404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
 819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
 1730 So. Amphlett Blvd., Suite 320  
 San Mateo, CA 94402  
 Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
 Matrix: LIQUID  
 Sample Descrip: RMW-1  
 Work Order #: 9503I77 -01, 03, 04

Reported: Apr 10, 1995

### QUALITY CONTROL DATA REPORT

| Analyte:       | Arsenic         | Beryllium       | Cadmium         | Chromium        | Nickel          |
|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| QC Batch#:     | ME0330957000MDC | ME0330956010MDB | ME0330956010MDB | ME0330956010MDB | ME0330956010MDB |
| Analy. Method: | EPA 206.2       | EPA 6010        | EPA 6010        | EPA 6010        | EPA 6010        |
| Prep. Method:  | EPA 3020        | EPA 3010        | EPA 3010        | EPA 3010        | EPA 3010        |

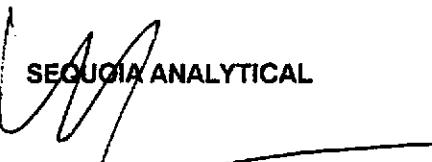
|                    |                |                |               |                |                |
|--------------------|----------------|----------------|---------------|----------------|----------------|
| Analyst:           | L. Zhu         | S. O'Donnell   | S. O'Donnell  | S. O'Donnell   | S. O'Donnell   |
| MS/MSD #:          | 9503I77-01-MSD | 9503I77-01-MSD | 503I77-01-MSD | 9503I77-01-MSD | 9503I77-01-MSD |
| Sample Conc.:      | N.D.           | N.D.           | N.D.          | N.D.           | N.D.           |
| Prepared Date:     | 03/30/95       | 03/30/95       | 03/30/95      | 03/30/95       | 03/30/95       |
| Analyzed Date:     | 03/31/95       | 03/31/95       | 03/31/95      | 03/31/95       | 03/31/95       |
| Instrument I.D. #: | MTJA3          | MTJA2          | MTJA2         | MTJA2          | MTJA2          |
| Conc. Spiked:      | 0.050 mg/L     | 1.0 mg/L       | 1.0 mg/L      | 1.0 mg/L       | 1.0 mg/L       |
| Result:            | 0.056          | 0.98           | 0.94          | 0.96           | 0.98           |
| MS % Recovery:     | 112            | 98             | 94            | 96             | 98             |
| Dup. Result:       | 0.058          | 0.99           | 0.95          | 0.97           | 0.99           |
| MSD % Recov.:      | 118            | 99             | 95            | 97             | 99             |
| RPD:               | 3.5            | 1.0            | 1.1           | 1.0            | 1.0            |
| RPD Limit:         | 0-30           | 0-30           | 0-30          | 0-30           | 0-30           |

LCS #:

Prepared Date:  
 Analyzed Date:  
 Instrument I.D. #:  
 Conc. Spiked:

LCS Result:  
 LCS % Recov.:

| MS/MSD             | 75-125 | 75-125 | 75-125 | 75-125 | 75-125 |
|--------------------|--------|--------|--------|--------|--------|
| LCS Control Limits |        |        |        |        |        |

  
**SEQUOIA ANALYTICAL**

Eileen A. Mahning  
 Project Manager

Please Note:

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

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

9503I77.ERL <1>



Sequoia  
Analytical

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Hofley

Client Project ID: 940018.00, Sybase  
Matrix: LIQUID  
Sample Descrip: RMW-1  
Work Order #: 9503I77 -01, 03, 04

Reported: Apr 10, 1995

## QUALITY CONTROL DATA REPORT

Analyte: Lead

QC Batch#: ME0404957000MDB  
Analy. Method: EPA 239.2  
Prep. Method: EPA 3020

Analyst: W. Thant  
MS/MSD #: 9503I77-01-MSD  
Sample Conc.: N.D.  
Prepared Date: 04/04/95  
Analyzed Date: 04/04/95  
Instrument I.D.#: MTJA1  
Conc. Spiked: 0.050 mg/L

Result: 0.052  
MS % Recovery: 104  
  
Dup. Result: 0.057  
MSD % Recov.: 114  
  
RPD: 9.2  
RPD Limit: 0-30

LCS #:

Prepared Date:  
Analyzed Date:  
Instrument I.D.#:  
Conc. Spiked:

LCS Result:  
LCS % Recov.:

MS/MSD  
LCS 75-125  
Control Limits

Please Note:

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

SEQUOIA ANALYTICAL

Eileen A. Manning  
Project Manager

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

9503I77.ERL <2>



**Sequoia  
Analytical**

|                                                                          |                                                                          |                                                    |                                                                |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|
| 680 Chesapeake Drive<br>404 N. Wiget Lane<br>819 Striker Avenue, Suite 8 | Redwood City, CA 94063<br>Walnut Creek, CA 94598<br>Sacramento, CA 95834 | (415) 364-9600<br>(510) 988-9600<br>(916) 921-9600 | FAX (415) 364-9233<br>FAX (510) 988-9673<br>FAX (916) 921-0100 |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|

Erler & Kalinowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
Matrix: LIQUID  
Sample Descrip: MW-3  
Work Order #: 9503I77 -01-04

Reported: Apr 10, 1995

## QUALITY CONTROL DATA REPORT

| Analyte:       | 1,1-Dichloro-ethene | Trichloro-ethene | Chloro-benzene  |
|----------------|---------------------|------------------|-----------------|
| QC Batch#:     | GC040195801008A     | GC040195801008A  | GC040195801008A |
| Analy. Method: | EPA 8010            | EPA 8010         | EPA 8010        |
| Prep. Method:  | EPA 5030            | EPA 5030         | EPA 5030        |

|                    |                |                |                |
|--------------------|----------------|----------------|----------------|
| Analyst:           | J. Miller      | J. Miller      | J. Miller      |
| MS/MSD #:          | 9503I77-01-MSD | 9503I77-01-MSD | 9503I77-01-MSD |
| Sample Conc.:      | N.D.           | N.D.           | N.D.           |
| Prepared Date:     | 04/01/95       | 04/01/95       | 04/01/95       |
| Analyzed Date:     | 04/01/95       | 04/01/95       | 04/01/95       |
| Instrument I.D. #: | GCHP8          | GCHP8          | GCHP8          |
| Conc. Spiked:      | 25 µg/L        | 25 µg/L        | 25 µg/L        |
| Result:            | 26             | 25             | 25             |
| MS % Recovery:     | 104            | 100            | 100            |
| Dup. Result:       | 27             | 27             | 26             |
| MSD % Recov.:      | 108            | 108            | 104            |
| RPD:               | 3.8            | 7.7            | 3.9            |
| RPD Limit:         | 0-50           | 0-50           | 0-50           |

LCS #:

Prepared Date:  
Analyzed Date:  
Instrument I.D. #:  
Conc. Spiked:

LCS Result:  
LCS % Recov.:

|                                 |        |        |        |
|---------------------------------|--------|--------|--------|
| MS/MSD<br>LCS<br>Control Limits | 28-187 | 35-146 | 38-150 |
|---------------------------------|--------|--------|--------|

Please Note:

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

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

*[Signature]*  
**SEQUOIA ANALYTICAL**

Eileen A. Manning  
Project Manager

9503I77.ERL <3>



**Sequoia  
Analytical**

|                                                                          |                                                                          |                                                    |                                                                |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|
| 680 Chesapeake Drive<br>404 N. Wiget Lane<br>819 Striker Avenue, Suite 8 | Redwood City, CA 94063<br>Walnut Creek, CA 94598<br>Sacramento, CA 95834 | (415) 364-9600<br>(510) 988-9600<br>(916) 921-9600 | FAX (415) 364-9233<br>FAX (510) 988-9673<br>FAX (916) 921-0100 |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|

Erler & Kalinowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
Matrix: LIQUID  
Sample Descrip: BLK  
Work Order #: 9503I77

Reported: Apr 10, 1995

## QUALITY CONTROL DATA REPORT

| Analyte:       | Naphthalene     | Acenaphthene    | Pyrene          |
|----------------|-----------------|-----------------|-----------------|
| QC Batch#:     | GC0329958100EXZ | GC0329958100EXZ | GC0329958100EXZ |
| Analy. Method: | EPA 8100        | EPA 8100        | EPA 8100        |
| Prep. Method:  | EPA 3520        | EPA 3520        | EPA 3520        |

|                    |               |               |               |
|--------------------|---------------|---------------|---------------|
| Analyst:           | L. Laikhtman  | L. Laikhtman  | L. Laikhtman  |
| MS/MSD #:          | BLK032995-BLK | BLK032995-BLK | BLK032995-BLK |
| Sample Conc.:      | N.D.          | N.D.          | N.D.          |
| Prepared Date:     | 03/29/95      | 03/29/95      | 03/29/95      |
| Analyzed Date:     | 03/31/95      | 03/31/95      | 03/31/95      |
| Instrument I.D. #: | GCHP11        | GCHP11        | GCHP11        |
| Conc. Spiked:      | 50 mg/L       | 50 mg/L       | 50 mg/L       |
| <br>               |               |               |               |
| Result:            | 43            | 42            | 46            |
| MS % Recovery:     | 86            | 84            | 92            |
| <br>               |               |               |               |
| Dup. Result:       | 42            | 41            | 46            |
| MSD % Recov.:      | 84            | 82            | 92            |
| <br>               |               |               |               |
| RPD:               | 2.4           | 2.4           | 0.0           |
| RPD Limit:         | 0-50          | 0-50          | 0-50          |

LCS #:

Prepared Date:  
Analyzed Date:  
Instrument I.D. #:  
Conc. Spiked:

LCS Result:  
LCS % Recov.:

|                |        |        |        |
|----------------|--------|--------|--------|
| MS/MSD         | DL-122 | DL-124 | DL-140 |
| LCS            |        |        |        |
| Control Limits |        |        |        |

Please Note:

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

*[Signature]*  
**SEQUOIA ANALYTICAL**

Eileen A. Manning  
Project Manager

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

9503I77.ERL <4>



Sequoia  
Analytical

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Elder & Kalinowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
Matrix: LIQUID  
Sample Descrip: RMW-1  
Work Order #: 9503I77-01-04

Reported: Apr 10, 1995

## QUALITY CONTROL DATA REPORT

Analyte: Diesel

QC Batch#: GC0329950HBPEXA  
Analy. Method: EPA 8015M  
Prep. Method: EPA 3520

Analyst: T. Olive  
MS/MSD #: 9503I77-01-MSD  
Sample Conc.: 210  
Prepared Date: 03/29/95  
Analyzed Date: 04/04/95  
Instrument I.D.#: GCHP4B  
Conc. Spiked: 600 µg/L

Result: 670  
MS % Recovery: 77  
  
Dup. Result: 640  
MSD % Recov.: 72  
  
RPD: 4.6  
RPD Limit: 0-50

LCS #:

Prepared Date:  
Analyzed Date:  
Instrument I.D.#:  
Conc. Spiked:

LCS Result:  
LCS % Recov.:

MS/MSD  
LCS 38-122  
Control Limits

  
SEQUOIA ANALYTICAL

Eileen A. Manning  
Project Manager

Please Note:

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

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

9503I77.ERL <5>



**Sequoia  
Analytical**

|                                                                          |                                                                          |                                                    |                                                                |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|
| 680 Chesapeake Drive<br>404 N. Wiget Lane<br>819 Striker Avenue, Suite 8 | Redwood City, CA 94063<br>Walnut Creek, CA 94598<br>Sacramento, CA 95834 | (415) 364-9600<br>(510) 988-9600<br>(916) 921-9600 | FAX (415) 364-9233<br>FAX (510) 988-9673<br>FAX (916) 921-0100 |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|

Erler & Kalinowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
Matrix: LIQUID  
Sample Descrip: MW-4  
Work Order #: 9503I77-01, 03, 04

Reported: Apr 10, 1995

## QUALITY CONTROL DATA REPORT

| Analyte:                  | Acetone         | MIBK            | Tetra<br>Hydrofuran | 1,1,1-TCA       | TCE             |
|---------------------------|-----------------|-----------------|---------------------|-----------------|-----------------|
| QC Batch#:                | GC040495ISHSHSA | GC040495ISHSHSA | GC040495ISHSHSA     | GC040495ISHSHSA | GC040495ISHSHSA |
| Analy. Method:            | ISHS            | ISHS            | ISHS                | ISHS            | ISHS            |
| Prep. Method:             | HS              | HS              | HS                  | HS              | HS              |
| <b>Analyst:</b>           | T. Tran         | T. Tran         | T. Tran             | T. Tran         | T. Tran         |
| <b>MS/MSD #:</b>          | 9503I77-01-MSD  | 9503I77-01-MSD  | 9503I77-01-MSD      | 9503I77-01-MSD  | 9503I77-01-MSD  |
| <b>Sample Conc.:</b>      | N.D.            | N.D.            | N.D.                | N.D.            | N.D.            |
| <b>Prepared Date:</b>     | 04/04/95        | 04/04/95        | 04/04/95            | 04/04/95        | 04/04/95        |
| <b>Analyzed Date:</b>     | 04/04/95        | 04/04/95        | 04/04/95            | 04/04/95        | 04/04/95        |
| <b>Instrument I.D. #:</b> | GCV1            | GCV1            | GCV1                | GCV1            | GCV1            |
| <b>Conc. Spiked:</b>      | 4.0 mg/L        | 1.0 mg/L        | 2.0 mg/L            | 1.0 mg/L        | 1.0 mg/L        |
| <b>Result:</b>            | 3.7             | 0.82            | 1.9                 | 0.86            | 0.87            |
| <b>MS % Recovery:</b>     | 93              | 82              | 95                  | 86              | 87              |
| <b>Dup. Result:</b>       | 3.9             | 0.90            | 2.0                 | 0.98            | 0.99            |
| <b>MSD % Recov.:</b>      | 98              | 90              | 100                 | 98              | 99              |
| <b>RPD:</b>               | 5.3             | 9.3             | 5.1                 | 13              | 13              |
| <b>RPD Limit:</b>         | 0-50            | 0-50            | 0-50                | 0-50            | 0-50            |

LCS #:

**Prepared Date:**

**Analyzed Date:**

**Instrument I.D. #:**

**Conc. Spiked:**

**LCS Result:**

**LCS % Recov.:**

| MS/MSD<br>LCS<br>Control Limits | 50-150 | 50-150 | 50-150 | 50-150 | 50-150 |
|---------------------------------|--------|--------|--------|--------|--------|
|                                 |        |        |        |        |        |

**SEQUOIA ANALYTICAL**

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

Eileen A. Manning  
Project Manager

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

9503I77.ERL <6>



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
Matrix: LIQUID  
Sample Descrip: MW-4  
Work Order #: 9503I77-01, 03, 04

Reported: Apr 10, 1995

## QUALITY CONTROL DATA REPORT

Analyte: p-Xylene

QC Batch#: GC040495ISHSHSA  
Analy. Method: ISHS  
Prep. Method: HS

Analyst: T. Tran  
MS/MSD #: 9503I77-01-MSD  
Sample Conc.: N.D.  
Prepared Date: 04/04/95  
Analyzed Date: 04/04/95  
Instrument I.D.#: GCV1  
Conc. Spiked: 0.20 mg/L

Result: 0.16  
MS % Recovery: 80  
  
Dup. Result: 0.18  
MSD % Recov.: 90  
  
RPD: 12  
RPD Limit: 0-50

LCS #:

Prepared Date:  
Analyzed Date:  
Instrument I.D.#:  
Conc. Spiked:

LCS Result:  
LCS % Recov.:

MS/MSD  
LCS      50-150  
Control Limits

Please Note:

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

SEQUOIA ANALYTICAL

Eileen A. Manning  
Project Manager

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

9503I77.ERL <7>



**Sequoia  
Analytical**

|                                                                          |                                                                          |                                                    |                                                                |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|
| 680 Chesapeake Drive<br>404 N. Wiget Lane<br>819 Striker Avenue, Suite 8 | Redwood City, CA 94063<br>Walnut Creek, CA 94598<br>Sacramento, CA 95834 | (415) 364-9600<br>(510) 988-9600<br>(916) 921-9600 | FAX (415) 364-9233<br>FAX (510) 988-9673<br>FAX (916) 921-0100 |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|

Erier & Kalinowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
Matrix: LIQUID  
Sample Descrip: MW-4  
Work Order #: 9503I77

Reported: Apr 10, 1995

## QUALITY CONTROL DATA REPORT

| Analyte:       | Benzene         | Toluene         | Ethyl Benzene   | Xylenes         |
|----------------|-----------------|-----------------|-----------------|-----------------|
| QC Batch#:     | GC040395BTEX17A | GC040395BTEX17A | GC040395BTEX17A | GC040395BTEX17A |
| Analy. Method: | EPA 8020        | EPA 8020        | EPA 8020        | EPA 8020        |
| Prep. Method:  | EPA 5030        | EPA 5030        | EPA 5030        | EPA 5030        |

|                    |                 |                 |                |                 |
|--------------------|-----------------|-----------------|----------------|-----------------|
| Analyst:           | R. Vincent      | R. Vincent      | R. Vincent     | R. Vincent      |
| MS/MSD #:          | G9503I76-01-MSD | G9503I76-01-MSD | 9503I76-01-MSD | G9503I76-01-MSD |
| Sample Conc.:      | N.D.            | N.D.            | N.D.           | N.D.            |
| Prepared Date:     | 04/03/95        | 04/03/95        | 04/03/95       | 04/03/95        |
| Analyzed Date:     | 04/03/95        | 04/03/95        | 04/03/95       | 04/03/95        |
| Instrument I.D. #: | GCHP17          | GCHP17          | GCHP17         | GCHP17          |
| Conc. Spiked:      | 10 µg/L         | 10 µg/L         | 10 µg/L        | 30 µg/L         |
| Result:            | 11              | 11              | 11             | 32              |
| MS % Recovery:     | 110             | 110             | 110            | 107             |
| Dup. Result:       | 11              | 11              | 10             | 30              |
| MSD % Recov.:      | 110             | 110             | 100            | 100             |
| RPD:               | 0.0             | 0.0             | 9.5            | 6.5             |
| RPD Limit:         | 0-50            | 0-50            | 0-50           | 0-50            |

LCS #:

Prepared Date:  
Analyzed Date:  
Instrument I.D. #:  
Conc. Spiked:

LCS Result:  
LCS % Recov.:

| MS/MSD<br>LCS<br>Control Limits | 71-133 | 72-128 | 72-130 | 71-120 |
|---------------------------------|--------|--------|--------|--------|
|                                 |        |        |        |        |

SEQUOIA ANALYTICAL

Eileen A. Manning  
Project Manager

Please Note:

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

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

9503I77.ERL <8>

## CHAIN OF CUSTODY / SAMPLE ANALYSIS REQUEST

Erler &amp; Kalinowski, Inc.

Project Number: 940018-00

Project Name: Sybase

Source of Samples: monitoring wells

Location: 64<sup>th</sup> and 65<sup>th</sup> Street Prop., EmeryvilleAnalytical Laboratory: Sequoia AnalyticalDate Sampled: 24 March 1995Sampled By: Gail L. ClarkReport Results To: Paul HofferPhone Number: 415) 578-1172

| Lab Sample<br>I D | Field Sample<br>I D | Sample Type | Number and Type<br>of Containers | Time Collected | Analyses Requested<br>(EPA Method Number)              | Results Required By<br>(Date/Time) |
|-------------------|---------------------|-------------|----------------------------------|----------------|--------------------------------------------------------|------------------------------------|
| 01                | RMW-1               | water       | 3-amber liters                   | 1:50           | PNA's - 8100, and<br>TEPH-fuel fingerprint (8015)      | Standard                           |
|                   | RMW-1               | water       | 2 voas w/ HCl                    | 1:50           | TPPH w/ BTEX (8015/8020 mod.)                          | turn-                              |
|                   | RMW-1               | water       | 4 voas                           | 1:50           | VOCs - 8010, and<br>Industrial Solvent Scan (8015 mod) | around                             |
|                   | RMW-1               | water       | 1 plastic liter                  | 1:50           | ICP Metals (As, Pb, Cr)                                | time                               |
| 02                | R-1 Dup             | water       | 1 amber liter                    | 1:50           | TEPH-fuel fingerprint (8015)                           |                                    |
|                   | R-1 Dup             | water       | 2 Voas w/ HCl                    | 1:50           | TPPH w/ BTEX (8015/8020 mod)                           |                                    |
|                   | R-1 Dup             | water       | 2 Voas                           | 1:50           | VOCs - 8010                                            |                                    |
| 03                | RMW-2               | water       | 3 amber liters                   | 3:25           | PNA's - 8100, and<br>TEPH-fuel fingerprint (8015)      |                                    |
|                   | RMW-2               | water       | 2 voas w/ HCl                    | 3:25           | TPPH w/ BTEX (8015-8020 mod.)                          |                                    |
|                   | RMW-2               | water       | 4 voas                           | 3:25           | VOCs - 8010, and<br>Industrial Solvent Scan (8015 mod) | ↓                                  |

## Special Instructions:

| Relinquished By:<br>Name / Signature / Affiliation | Date    | Time | Received By:<br>Name / Signature / Affiliation |
|----------------------------------------------------|---------|------|------------------------------------------------|
| Gail L. Clark / Gail L. Clark                      | 3/24/95 | 5:05 |                                                |
|                                                    | 3-24-95 | 1705 | Charles Clark / Sequoia                        |

**CHAIN OF CUSTODY / SAMPLE ANALYSIS REQUEST**

**Erler & Kalinowski, Inc.**

Project Number: 940018.00

Project Name: Sybase

Source of Samples: monitoring wells

Location: 64<sup>th</sup> + 65<sup>th</sup> Street, Prop., Emeryville

SIS REQUEST  
Analytical Laboratory: Sequoia Analytical  
page 2/2

Date Sampled: 24 March 1995

sampled by: Cogill L. Clark

Report Results To: Paul Hoffer

Phone Number: 415) 570-1172

**Special Instructions:**

| Relinquished By:<br>Name / Signature | Affiliation | Date    | Time | Received By:<br>Name / Signature / Affiliation |
|--------------------------------------|-------------|---------|------|------------------------------------------------|
| Gail C. Clark                        | /EKI        | 3-24-95 | 5:05 |                                                |
| 105 - CDR 2001/C 2001                |             |         |      |                                                |

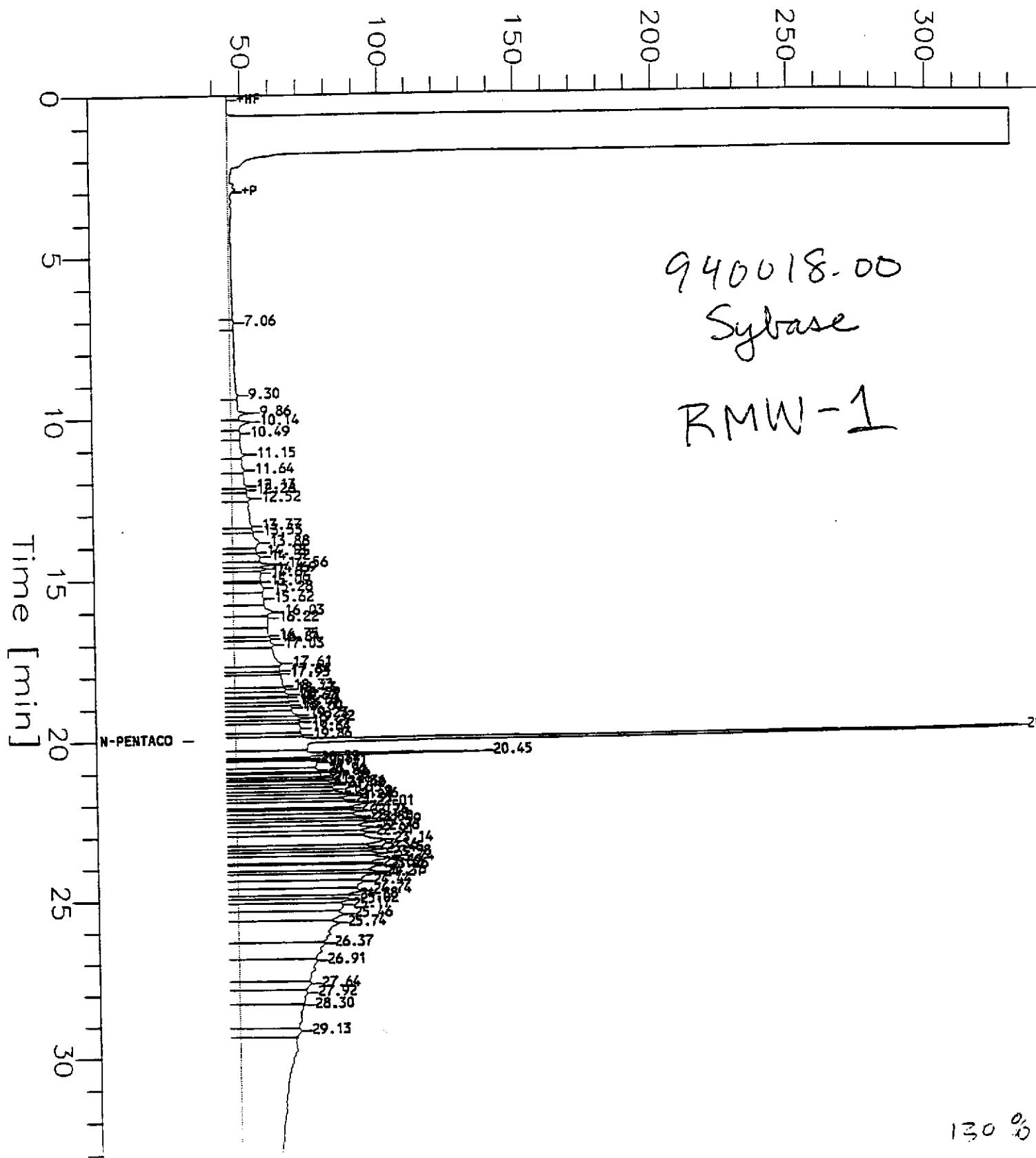
Chromatogram

Sample Name : D9503177-1 (500:1) RESHOT  
FileName : s:\ghp\_04\0409\404B018.raw  
Method : ETPH04B.ins  
Start Time : 0.00 min End Time : 33.67 min  
Scale Factor: -1.0 Plot Offset: 30 mV

Sample #: RMW-1  
Date : 4/4/95 21:50  
Time of Injection: 4/4/95 21:16  
Low Point : 30.23 mV High Point : 330.23 mV  
Plot Scale: 300.0 mV

Page 1 of 1

Response [mV]



=====  
Software Version: 3.3 <4B11>  
Sample Name : D9503I77-1 (500:1) RESHOT Time : 4/4/95 21:50  
Sample Number: RMW-1 Study : EKI  
Operator : BA

Instrument : GCHP\_04 Channel : B A/D mV Range : 1024  
AutoSampler : HP7673A  
Rack/Vial : 1/68

Interface Serial # : Data Acquisition Time: 4/4/95 21:16  
Delay Time : 0.00 min.  
End Time : 33.67 min.  
Sampling Rate : 1.2500 pts/sec

Raw Data File : S:\GHP\_04\0409\404B018.RAW  
Result File : S:\GHP\_04\0409\404B018.RST  
Instrument File: S:\GHP\_04\MET\_SEQ\ETPH04B.ins  
Process File : S:\GHP\_04\MET\_SEQ\ETPH04B  
Sample File : S:\GHP\_04\MET\_SEQ\ETPH04B  
Sequence File : S:\GHP\_04\MET\_SEQ\H040404.SEQ

Inj. Volume : 3 ul Area Reject : 0.000000  
Sample Amount : 1.0000 Dilution Factor : 1.00

=====

Extractable TPH GCHP\_04B

| Peak # | Time [min] | Component Name       | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------------|---------------|----------|----|--------------|--------------|
|        | 5.735      | n-C9 to n-C13 P.Thn. | 27122         | 0.04     |    | 0.0005       | 0.0181       |
|        | 8.250      | n-C9 to n-C17 Jet    | 1307084       | 2.04     |    | 0.0218       | 0.871        |
|        | 11.250     | n-C9 to n-C24 TPH-D  | 6273189       | 9.77     |    | 5.1544       | 206.174      |
|        | 16.250     | n-C9 to n-C36 Total  | 28805445      | 44.85    |    | 0.4801       | 19.2036      |
|        | 21.100     | n-C16 to n-C36       | 27807141      | 43.30    |    | 0.4635       | 18.5381      |
|        |            |                      | 64219981      | 100.00   |    |              |              |

Report Stored in ASCII File: S:\GHP\_04\0409\404B018.TX0

=====

Extractable TPH GCHP\_04B

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|----|--------------|--------------|
| 1      | 7.058      |                | 27122.36      | 0.09     | *B | 0.0005       | 0.018        |
| 2      | 9.303      |                | 218061.75     | 0.76     | *V | 0.0036       | 0.145        |
| 3      | 9.855      |                | 118954.50     | 0.41     | *V | 0.0020       | 0.0793       |
| 4      | 10.141     |                | 78205.92      | 0.27     | *V | 0.0013       | 0.052        |
| 5      | 10.494     |                | 58181.27      | 0.20     | *V | 0.0010       | 0.038        |
| 6      | 11.152     |                | 125491.70     | 0.44     | *V | 0.0021       | 0.0837       |
| 7      | 11.643     |                | 108058.12     | 0.38     | *V | 0.0018       | 0.0720       |
| 8      | 12.134     |                | 129983.01     | 0.45     | *V | 0.0022       | 0.086        |
| 9      | 12.260     |                | 41611.85      | 0.14     | *V | 0.0007       | 0.0277       |
| 10     | 12.518     |                | 92633.05      | 0.32     | *V | 0.0015       | 0.0618       |
| 11     | 13.373     |                | 308780.66     | 1.07     | *V | 0.0051       | 0.205        |
| 12     | 13.532     |                | 63245.59      | 0.22     | *V | 0.0011       | 0.042        |

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|----|--------------|--------------|
| 13     | 13.879     |                | 236621.69     | 0.82     | *V | 0.0039       | 0.1577       |
| 14     | 14.175     |                | 81559.78      | 0.28     | *V | 0.0014       | 0.0544       |
| 15     | 14.321     |                | 152160.68     | 0.53     | *V | 0.0025       | 0.1014       |
| 16     | 14.555     |                | 121382.09     | 0.42     | *V | 0.0020       | 0.0809       |
| 17     | 14.692     |                | 77662.51      | 0.27     | *V | 0.0013       | 0.0518       |
| 18     | 14.817     |                | 181367.43     | 0.63     | *V | 0.0030       | 0.1209       |
| 19     | 15.094     |                | 31513.82      | 0.11     | *V | 0.0005       | 0.0210       |
| 20     | 15.281     |                | 185296.84     | 0.64     | *V | 0.0031       | 0.1235       |
| 21     | 15.616     |                | 251014.64     | 0.87     | *V | 0.0042       | 0.1673       |
| 22     | 16.032     |                | 260018.95     | 0.90     | *V | 0.0043       | 0.1733       |
| 23     | 16.216     |                | 256506.58     | 0.89     | *V | 0.0043       | 0.1710       |
| 24     | 16.749     |                | 208715.14     | 0.72     | *V | 0.0035       | 0.1391       |
| 25     | 16.838     |                | 94766.16      | 0.33     | *V | 0.0016       | 0.0632       |
| 26     | 17.034     |                | 175528.86     | 0.61     | *V | 0.0029       | 0.1170       |
| 27     | 17.611     |                | 539465.33     | 1.87     | *V | 0.0090       | 0.3596       |
| 28     | 17.836     |                | 156592.18     | 0.54     | *V | 0.0026       | 0.1044       |
| 29     | 17.933     |                | 91442.02      | 0.32     | *V | 0.0015       | 0.0610       |
| 30     | 18.333     |                | 410833.91     | 1.43     | *V | 0.0068       | 0.2739       |
| 31     | 18.426     |                | 145697.71     | 0.51     | *V | 0.0024       | 0.0971       |
| 32     | 18.591     |                | 165999.50     | 0.58     | *V | 0.0028       | 0.1107       |
| 33     | 18.668     |                | 45385.41      | 0.16     | *V | 0.0008       | 0.0303       |
| 34     | 18.792     |                | 169715.28     | 0.59     | *V | 0.0028       | 0.1131       |
| 35     | 18.915     |                | 127153.45     | 0.44     | *V | 0.0021       | 0.0848       |
| 36     | 19.003     |                | 178987.54     | 0.62     | *V | 0.0030       | 0.1193       |
| 37     | 19.225     |                | 222283.59     | 0.77     | *V | 0.0037       | 0.1482       |
| 38     | 19.323     |                | 187490.78     | 0.65     | *V | 0.0031       | 0.1250       |
| 39     | 19.446     |                | 147697.16     | 0.51     | *V | 0.0025       | 0.0985       |
| 40     | 19.637     |                | 390735.28     | 1.36     | *V | 0.0065       | 0.2605       |
| 41     | 19.862     |                | 171308.42     | 0.59     | *V | 0.0029       | 0.1142       |
| 42     | 20.023     | n-Pentacosane  | 2950288.32    | 10.24    | *V | 2.6119       | 104.4755     |
| 43     | 20.453     |                | 566733.97     | 1.97     | *V | 0.0094       | 0.3778       |
| 44     | 20.588     |                | 85664.92      | 0.30     | *V | 0.0014       | 0.0571       |
| 45     | 20.640     |                | 65020.71      | 0.23     | *V | 0.0011       | 0.0433       |
| 46     | 20.709     |                | 367556.48     | 1.28     | *V | 0.0061       | 0.2450       |
| 47     | 20.957     |                | 209304.59     | 0.73     | *V | 0.0035       | 0.1395       |
| 48     | 21.023     |                | 118452.28     | 0.41     | *V | 0.0020       | 0.0790       |
| 49     | 21.145     |                | 194012.29     | 0.67     | *V | 0.0032       | 0.1293       |
| 50     | 21.205     |                | 124378.98     | 0.43     | *V | 0.0021       | 0.0829       |
| 51     | 21.263     |                | 100998.17     | 0.35     | *V | 0.0017       | 0.0673       |
| 52     | 21.362     |                | 218077.94     | 0.76     | *V | 0.0036       | 0.1454       |
| 53     | 21.417     |                | 196385.16     | 0.68     | *V | 0.0033       | 0.1309       |
| 54     | 21.548     |                | 249340.01     | 0.87     | *V | 0.0042       | 0.1662       |
| 55     | 21.692     |                | 241162.87     | 0.84     | *V | 0.0040       | 0.1608       |
| 56     | 21.759     |                | 283036.55     | 0.98     | *V | 0.0047       | 0.1887       |
| 57     | 21.905     |                | 247948.25     | 0.86     | *V | 0.0041       | 0.1653       |
| 58     | 22.007     |                | 485555.26     | 1.69     | *V | 0.0081       | 0.3237       |
| 59     | 22.150     |                | 198097.92     | 0.69     | *V | 0.0033       | 0.1321       |
| 60     | 22.260     |                | 309671.99     | 1.08     | *V | 0.0052       | 0.2064       |
| 61     | 22.426     |                | 346454.68     | 1.20     | *V | 0.0058       | 0.2310       |
| 62     | 22.503     |                | 255888.04     | 0.89     | *V | 0.0043       | 0.1706       |
| 63     | 22.593     |                | 370479.15     | 1.29     | *V | 0.0062       | 0.2470       |
| 64     | 22.764     |                | 481069.55     | 1.67     | *V | 0.0080       | 0.3207       |
| 65     | 22.914     |                | 368872.62     | 1.28     | *V | 0.0061       | 0.2459       |
| 66     | 23.143     |                | 908902.92     | 3.16     | *V | 0.0151       | 0.6059       |
| 67     | 23.364     |                | 342796.03     | 1.19     | *V | 0.0057       | 0.2285       |
| 68     | 23.454     |                | 273737.63     | 0.95     | *V | 0.0046       | 0.1825       |
| 69     | 23.580     |                | 364846.92     | 1.27     | *V | 0.0061       | 0.2432       |
| 70     | 23.741     |                | 657335.29     | 2.28     | *V | 0.0110       | 0.4382       |

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|----|--------------|--------------|
| 71     | 23.886     |                | 196561.54     | 0.68     | *V | 0.0033       | 0.1310       |
| 72     | 23.956     |                | 553242.29     | 1.92     | *V | 0.0092       | 0.3688       |
| 73     | 24.157     |                | 278518.32     | 0.97     | *V | 0.0046       | 0.1857       |
| 74     | 24.210     |                | 555017.93     | 1.93     | *V | 0.0093       | 0.3700       |
| 75     | 24.443     |                | 670174.89     | 2.33     | *V | 0.0112       | 0.4468       |
| 76     | 24.735     |                | 545478.75     | 1.89     | *V | 0.0091       | 0.3637       |
| 77     | 24.879     |                | 287633.84     | 1.00     | *V | 0.0048       | 0.1918       |
| 78     | 25.023     |                | 310825.65     | 1.08     | *V | 0.0052       | 0.2072       |
| 79     | 25.173     |                | 537082.89     | 1.86     | *V | 0.0090       | 0.3581       |
| 80     | 25.464     |                | 662927.85     | 2.30     | *V | 0.0110       | 0.4420       |
| 81     | 25.736     |                | 1342791.27    | 4.66     | *V | 0.0224       | 0.8952       |
| 82     | 26.371     |                | 909993.83     | 3.16     | *V | 0.0152       | 0.6067       |
| 83     | 26.911     |                | 1106299.28    | 3.84     | *V | 0.0184       | 0.7375       |
| 84     | 27.635     |                | 420256.14     | 1.46     | *V | 0.0070       | 0.2802       |
| 85     | 27.924     |                | 626633.10     | 2.18     | *V | 0.0104       | 0.4178       |
| 86     | 28.298     |                | 1026217.73    | 3.56     | *V | 0.0171       | 0.6841       |
| 87     | 29.125     |                | 358487.38     | 1.24     | *V | 0.0060       | 0.2390       |

28805444.65 100.00

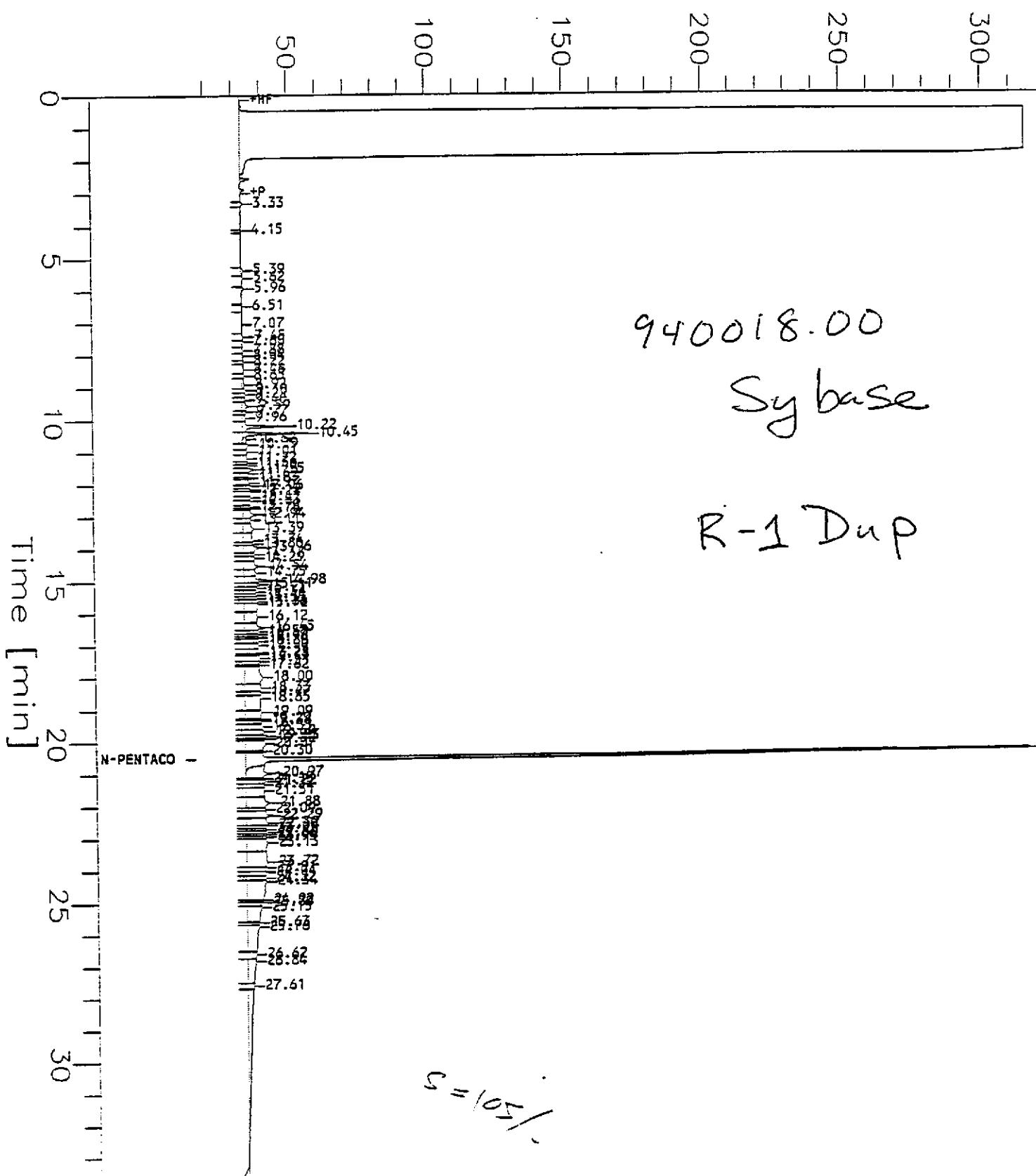
Report Stored in ASCII File: S:\GHP\_04\0409\404B018.TX1

Chromatogram

Sample Name : 09503I77-2 (500:1)  
FileName : s:\ghp\_05\0402\331B037.raw  
Method : ETPH05A.ins  
Start Time : 0.00 min End Time : 33.67 min  
Scale Factor: -1.0 Plot Offset: 15 mV

Sample #: R-1 DUP Page 1 of 1  
Date : 4/1/95 10:25  
Time of Injection: 4/1/95 09:51  
Low Point : 15.44 mV High Point : 315.44 mV  
Plot Scale: 300.0 mV

Response [mV]



=====  
Software Version: 3.3 <4B11>  
Sample Name : D9503I77-2 (500:1) Time : 4/1/95 10:25  
Sample Number: R-1 DUP Study : EKI  
Operator : TO

Instrument : GCHP\_05 Channel : B A/D mV Range : 1024  
AutoSampler : HP7673A  
Rack/Vial : 1/87

Interface Serial # : Data Acquisition Time: 4/1/95 09:51  
Delay Time : 0.00 min.  
End Time : 33.67 min.  
Sampling Rate : 1.2500 pts/sec

Raw Data File : S:\GHP\_05\0402\331B037.RAW  
Result File : S:\GHP\_05\0402\331B037.RST  
Instrument File: S:\GHP\_05\MET\_SEQ\ETPH05A.ins  
Process File : S:\GHP\_05\MET\_SEQ\ETPH05B  
Sample File : S:\GHP\_05\MET\_SEQ\ETPH05B  
Sequence File : S:\GHP\_05\MET\_SEQ\H050331.seq

Inj. Volume : 3 ul Area Reject : 0.000000  
Sample Amount : 1.0000 Dilution Factor : 1.00

=====  
Extractable TPH GCHP\_05B

| Peak # | Time [min] | Component Name       | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------------|---------------|----------|----|--------------|--------------|
|        | 8.250      | n-C9 to n-C17 Jet    | 698726.38     | 4.14     |    | 0.0116       | 0.4658       |
|        | 11.250     | n-C9 to n-C24 TPH-D  | 2428587.52    | 14.39    |    | 2.4334       | 97.3358      |
|        | 16.750     | n-C9 to n-C40 Total  | 7141152.83    | 42.32    |    | 0.1190       | 4.768        |
|        | 19.875     | n-C16 to n-C36 M/Oil | 6606844.41    | 39.15    |    | 0.1101       | 4.406        |
|        |            |                      | 16875311.14   | 100.00   |    |              |              |

Report Stored in ASCII File: S:\GHP\_05\0402\331B037.TX0

=====  
Extractable TPH GCHP\_05B

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|----|--------------|--------------|
| 1      | 3.330      |                | 3473.35       | 0.05     | *B | 5.7889e-05   | 0.0023       |
| 2      | 4.152      |                | 868.50        | 0.01     | *V | 1.4475e-05   | 0.0006       |
| 3      | 5.390      |                | 7018.63       | 0.10     | *V | 0.0001       | 0.0017       |
| 4      | 5.621      |                | 7458.87       | 0.10     | *V | 0.0001       | 0.0030       |
| 5      | 5.963      |                | 7387.45       | 0.10     | *V | 0.0001       | 0.0049       |
| 6      | 6.506      |                | 2524.38       | 0.04     | *V | 4.2073e-05   | 0.0017       |
| 7      | 7.065      |                | 7676.44       | 0.11     | *V | 0.0001       | 0.0061       |
| 8      | 7.446      |                | 5274.75       | 0.07     | *V | 8.7912e-05   | 0.0035       |
| 9      | 7.599      |                | 4699.45       | 0.07     | *V | 7.8324e-05   | 0.0031       |
| 10     | 7.876      |                | 3534.18       | 0.05     | *V | 5.8903e-05   | 0.0024       |
| 11     | 8.038      |                | 5587.08       | 0.08     | *V | 9.3118e-05   | 0.0037       |
| 12     | 8.218      |                | 2853.54       | 0.04     | *V | 4.7559e-05   | 0.0019       |
| 13     | 8.460      |                | 8446.10       | 0.12     | *V | 0.0001       | 0.0056       |

| Peak # | Time [min] | Component Name | Area .[uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|----------------|----------|----|--------------|--------------|
| 14     | 8.645      |                | 5143.01        | 0.07     | *V | 8.5717e-05   | 0.0034       |
| 15     | 8.922      |                | 12640.39       | 0.18     | *V | 0.0002       | 0.0084       |
| 16     | 9.100      |                | 8705.12        | 0.12     | *V | 0.0001       | 0.0058       |
| 17     | 9.222      |                | 9452.21        | 0.13     | *V | 0.0002       | 0.0063       |
| 18     | 9.401      |                | 8112.99        | 0.11     | *V | 0.0001       | 0.0054       |
| 19     | 9.586      |                | 22787.78       | 0.32     | *V | 0.0004       | 0.0152       |
| 20     | 9.773      |                | 9352.86        | 0.13     | *V | 0.0002       | 0.0062       |
| 21     | 9.960      |                | 12131.03       | 0.17     | *V | 0.0002       | 0.0081       |
| 22     | 10.217     |                | 66281.88       | 0.93     | *V | 0.0011       | 0.0442       |
| 23     | 10.445     |                | 79781.08       | 1.12     | *V | 0.0013       | 0.0532       |
| 24     | 10.616     |                | 14381.47       | 0.20     | *E | 0.0002       | 0.0096       |
| 25     | 10.787     |                | 18347.10       | 0.26     | *V | 0.0003       | 0.0122       |
| 26     | 11.013     |                | 15145.26       | 0.21     | *V | 0.0003       | 0.0101       |
| 27     | 11.216     |                | 17644.90       | 0.25     | *V | 0.0003       | 0.0118       |
| 28     | 11.356     |                | 8909.68        | 0.12     | *V | 0.0001       | 0.0059       |
| 29     | 11.428     |                | 9442.13        | 0.13     | *V | 0.0002       | 0.0063       |
| 30     | 11.554     |                | 25560.47       | 0.36     | *V | 0.0004       | 0.0170       |
| 31     | 11.685     |                | 14982.02       | 0.21     | *V | 0.0002       | 0.0100       |
| 32     | 11.814     |                | 7616.12        | 0.11     | *V | 0.0001       | 0.0051       |
| 33     | 11.973     |                | 21407.37       | 0.30     | *V | 0.0004       | 0.0143       |
| 34     | 12.061     |                | 19967.01       | 0.28     | *V | 0.0003       | 0.0133       |
| 35     | 12.185     |                | 12143.53       | 0.17     | *V | 0.0002       | 0.0081       |
| 36     | 12.242     |                | 22936.99       | 0.32     | *V | 0.0004       | 0.0153       |
| 37     | 12.410     |                | 18268.79       | 0.26     | *V | 0.0003       | 0.0122       |
| 38     | 12.530     |                | 25755.59       | 0.36     | *V | 0.0004       | 0.0172       |
| 39     | 12.697     |                | 12052.98       | 0.17     | *V | 0.0002       | 0.0080       |
| 40     | 12.760     |                | 8237.20        | 0.12     | *V | 0.0001       | 0.0055       |
| 41     | 12.942     |                | 46149.46       | 0.65     | *V | 0.0008       | 0.0308       |
| 42     | 13.109     |                | 24911.96       | 0.35     | *V | 0.0004       | 0.0166       |
| 43     | 13.387     |                | 53675.28       | 0.75     | *V | 0.0009       | 0.0358       |
| 44     | 13.744     |                | 55131.45       | 0.77     | *V | 0.0009       | 0.0368       |
| 45     | 13.856     |                | 19402.30       | 0.27     | *V | 0.0003       | 0.0129       |
| 46     | 13.964     |                | 58432.38       | 0.82     | *V | 0.0010       | 0.0390       |
| 47     | 14.171     |                | 24262.31       | 0.34     | *V | 0.0004       | 0.0162       |
| 48     | 14.293     |                | 36582.09       | 0.51     | *V | 0.0006       | 0.0244       |
| 49     | 14.542     |                | 63838.48       | 0.89     | *V | 0.0011       | 0.0426       |
| 50     | 14.747     |                | 49158.72       | 0.69     | *V | 0.0008       | 0.0328       |
| 51     | 14.983     |                | 72596.40       | 1.02     | *V | 0.0012       | 0.0484       |
| 52     | 15.105     |                | 37039.29       | 0.52     | *V | 0.0006       | 0.0247       |
| 53     | 15.210     |                | 28426.51       | 0.40     | *V | 0.0005       | 0.0190       |
| 54     | 15.336     |                | 26837.20       | 0.38     | *V | 0.0004       | 0.0179       |
| 55     | 15.444     |                | 26854.16       | 0.38     | *V | 0.0004       | 0.0162       |
| 56     | 15.547     |                | 24253.77       | 0.34     | *V | 0.0004       | 0.0198       |
| 57     | 15.656     |                | 29703.62       | 0.42     | *V | 0.0005       | 0.0494       |
| 58     | 15.715     |                | 74108.05       | 1.04     | *V | 0.0012       | 0.0638       |
| 59     | 16.121     |                | 95643.46       | 1.34     | *V | 0.0016       | 0.0468       |
| 60     | 16.453     |                | 70153.64       | 0.98     | *V | 0.0012       | 0.0234       |
| 61     | 16.583     |                | 35040.60       | 0.49     | *V | 0.0006       | 0.0156       |
| 62     | 16.669     |                | 23326.86       | 0.33     | *V | 0.0004       | 0.0131       |
| 63     | 16.758     |                | 19590.92       | 0.27     | *V | 0.0003       | 0.0264       |
| 64     | 16.878     |                | 39563.29       | 0.55     | *V | 0.0007       | 0.0339       |
| 65     | 17.003     |                | 50870.08       | 0.71     | *V | 0.0008       | 0.0316       |
| 66     | 17.229     |                | 47413.18       | 0.66     | *V | 0.0008       | 0.0109       |
| 67     | 17.282     |                | 16411.53       | 0.23     | *V | 0.0003       | 0.0365       |
| 68     | 17.408     |                | 54745.79       | 0.77     | *V | 0.0009       | 0.0221       |
| 69     | 17.512     |                | 33169.83       | 0.46     | *V | 0.0006       | 0.0110       |
| 70     | 17.618     |                | 16527.84       | 0.23     | *V | 0.0003       | 0.1222       |
| 71     | 18.002     |                | 183310.39      | 2.57     | *V | 0.0031       |              |

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|----|--------------|--------------|
| 72     | 18.333     |                | 79510.07      | 1.11     | *V | 0.0013       | 0.0530       |
| 73     | 18.468     |                | 39223.93      | 0.55     | *V | 0.0007       | 0.026        |
| 74     | 18.651     |                | 152306.70     | 2.13     | *V | 0.0025       | 0.101        |
| 75     | 19.086     |                | 87112.42      | 1.22     | *V | 0.0015       | 0.0581       |
| 76     | 19.294     |                | 17940.90      | 0.25     | *V | 0.0003       | 0.0120       |
| 77     | 19.356     |                | 41372.98      | 0.58     | *V | 0.0007       | 0.027        |
| 78     | 19.530     |                | 60515.37      | 0.85     | *V | 0.0010       | 0.0405       |
| 79     | 19.687     |                | 61729.73      | 0.86     | *V | 0.0010       | 0.0412       |
| 80     | 19.828     |                | 46130.84      | 0.65     | *V | 0.0008       | 0.030        |
| 81     | 19.917     |                | 32738.26      | 0.46     | *V | 0.0005       | 0.021        |
| 82     | 20.071     |                | 120279.44     | 1.68     | *V | 0.0020       | 0.0802       |
| 83     | 20.299     |                | 19117.26      | 0.27     | *V | 0.0003       | 0.0127       |
| 84     | 20.537     | n-Pentacosane  | 2072486.02    | 29.02    | *V | 2.1063       | 84.252       |
| 85     | 20.972     |                | 139026.09     | 1.95     | *E | 0.0023       | 0.092        |
| 86     | 21.147     |                | 19971.99      | 0.28     | *V | 0.0003       | 0.0133       |
| 87     | 21.221     |                | 48280.02      | 0.68     | *V | 0.0008       | 0.032        |
| 88     | 21.318     |                | 45678.35      | 0.64     | *V | 0.0008       | 0.030        |
| 89     | 21.512     |                | 112778.61     | 1.58     | *V | 0.0019       | 0.0752       |
| 90     | 21.881     |                | 141099.39     | 1.98     | *V | 0.0024       | 0.0941       |
| 91     | 22.094     |                | 37721.98      | 0.53     | *V | 0.0006       | 0.025        |
| 92     | 22.285     |                | 101207.32     | 1.42     | *V | 0.0017       | 0.067        |
| 93     | 22.522     |                | 99294.46      | 1.39     | *V | 0.0017       | 0.0662       |
| 94     | 22.599     |                | 40863.87      | 0.57     | *V | 0.0007       | 0.027        |
| 95     | 22.708     |                | 33674.22      | 0.47     | *V | 0.0006       | 0.022        |
| 96     | 22.799     |                | 40968.70      | 0.57     | *V | 0.0007       | 0.0273       |
| 97     | 22.863     |                | 28398.45      | 0.40     | *V | 0.0005       | 0.0189       |
| 98     | 22.948     |                | 33774.33      | 0.47     | *V | 0.0006       | 0.022        |
| 99     | 23.125     |                | 171034.48     | 2.40     | *V | 0.0029       | 0.1149       |
| 100    | 23.724     |                | 210340.16     | 2.95     | *V | 0.0035       | 0.1402       |
| 101    | 23.907     |                | 54368.55      | 0.76     | *V | 0.0009       | 0.036        |
| 102    | 24.044     |                | 53408.49      | 0.75     | *V | 0.0009       | 0.035        |
| 103    | 24.224     |                | 53620.32      | 0.75     | *V | 0.0009       | 0.0357       |
| 104    | 24.335     |                | 234394.97     | 3.28     | *V | 0.0039       | 0.1563       |
| 105    | 24.917     |                | 22721.46      | 0.32     | *V | 0.0004       | 0.015        |
| 106    | 25.001     |                | 43164.30      | 0.60     | *V | 0.0007       | 0.0268       |
| 107    | 25.146     |                | 141554.43     | 1.98     | *V | 0.0024       | 0.0944       |
| 108    | 25.628     |                | 23938.51      | 0.34     | *V | 0.0004       | 0.015        |
| 109    | 25.763     |                | 180985.34     | 2.53     | *V | 0.0030       | 0.127        |
| 110    | 26.623     |                | 44958.69      | 0.63     | *V | 0.0007       | 0.0300       |
| 111    | 26.838     |                | 117707.62     | 1.65     | *V | 0.0020       | 0.0785       |
| 112    | 27.613     |                | 24633.30      | 0.34     | *V | 0.0004       | 0.015        |

7141152.83 100.00

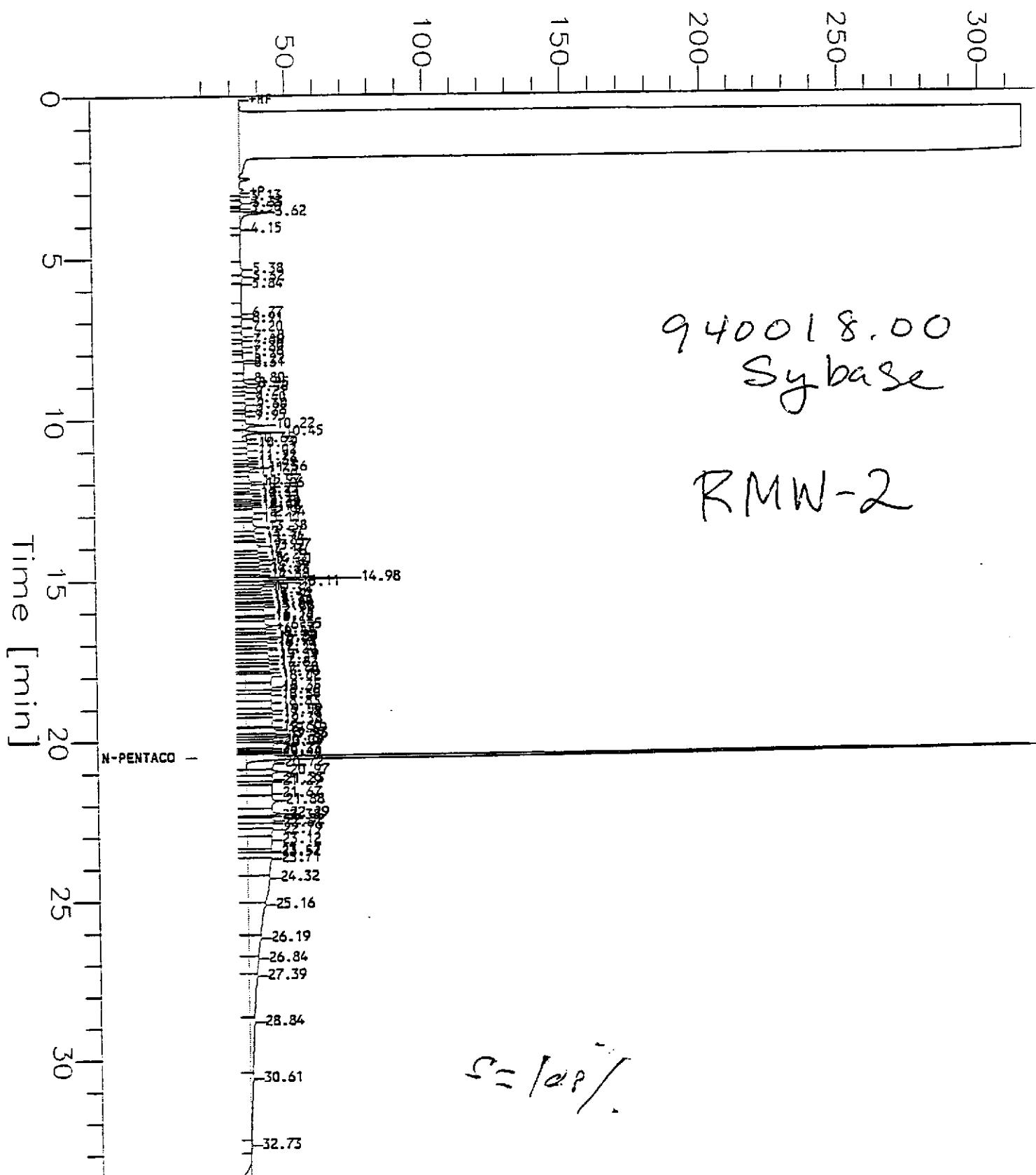
Chromatogram

Sample Name : D9503177-3 (500:1)  
FileName : s:\ghp\_05\0402\3318038.raw  
Method : ETPH05A.ins  
Start Time : 0.00 min End Time : 33.67 min  
Scale Factor: -1.0 Plot Offset: 16 mV

Sample #: RMW-2  
Date : 4/1/95 11:06  
Time of Injection: 4/1/95 10:32  
Low Point : 15.69 mV High Point : 315.69 mV  
Plot Scale: 300.0 mV

Page 1 of 1

Response [mV]



=====  
Software Version: 3.3 <4B11>  
Sample Name : D9503I77-3 (500:1) Time : 4/1/95 11:06  
Sample Number: RMW-2 Study : EKI  
Operator : TO

Instrument : GCHP\_05 Channel : B A/D mV Range : 1024  
AutoSampler : HP7673A  
Rack/Vial : 1/88

Interface Serial # : Data Acquisition Time: 4/1/95 10:32  
Delay Time : 0.00 min.  
End Time : 33.67 min.  
Sampling Rate : 1.2500 pts/sec

Raw Data File : S:\GHP\_05\0402\331B038.RAW  
Result File : S:\GHP\_05\0402\331B038.RST  
Instrument File: S:\GHP\_05\MET\_SEQ\ETPH05A.ins  
Process File : S:\GHP\_05\MET\_SEQ\ETPH05B  
Sample File : S:\GHP\_05\MET\_SEQ\ETPH05B  
Sequence File : S:\GHP\_05\MET\_SEQ\H050331.seq

Inj. Volume : 3 ul Area Reject : 0.000000  
Sample Amount : 1.0000 Dilution Factor : 1.00

=====  
Extractable TPH GCHP\_05B

| Peak # | Time [min] | Component Name       | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------------|---------------|----------|----|--------------|--------------|
|        | 8.250      | n-C9 to n-C17 Jet    | 809987.48     | 3.51     |    | 0.0135       | 0.5400       |
|        | 11.250     | n-C9 to n-C24 TPH-D  | 3685238.43    | 15.99    |    | 3.6925       | 147.7014     |
|        | 16.750     | n-C9 to n-C40 Total  | 9637769.81    | 41.81    |    | 0.1606       | 6.425        |
|        | 19.875     | n-C16 to n-C36 M/Oil | 8920471.11    | 38.69    |    | 0.1487       | 5.947        |

23053466.83 100.00

Report Stored in ASCII File: S:\GHP\_05\0402\331B038.TX0

=====  
Extractable TPH GCHP\_05B

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|----|--------------|--------------|
| 1      | 3.134      |                | 919.13        | 9e-03    | *B | 1.5319e-05   | 0.0006       |
| 2      | 3.333      |                | 4436.22       | 0.05     | *V | 7.3937e-05   | 0.0030       |
| 3      | 3.498      |                | 813.66        | 8e-03    | *V | 1.3561e-05   | 0.0005       |
| 4      | 3.620      |                | 51097.08      | 0.52     | *V | 0.0009       | 0.0311       |
| 5      | 4.147      |                | 2536.88       | 0.03     | *V | 4.2281e-05   | 0.0017       |
| 6      | 5.379      |                | 8876.78       | 0.09     | *V | 0.0001       | 0.0009       |
| 7      | 5.616      |                | 9178.01       | 0.09     | *V | 0.0002       | 0.0011       |
| 8      | 5.843      |                | 7441.78       | 0.08     | *V | 0.0001       | 0.0050       |
| 9      | 6.767      |                | 6329.32       | 0.06     | *V | 0.0001       | 0.0042       |
| 10     | 6.914      |                | 5244.14       | 0.05     | *V | 8.7402e-05   | 0.0005       |
| 11     | 7.199      |                | 2607.28       | 0.03     | *V | 4.3455e-05   | 0.0017       |
| 12     | 7.480      |                | 5542.06       | 0.06     | *V | 9.2368e-05   | 0.0037       |
| 13     | 7.604      |                | 2842.57       | 0.03     | *V | 4.7376e-05   | 0.0009       |

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|----|--------------|--------------|
| 14     | 7.796      |                | 5643.57       | 0.06     | *V | 9.4060e-05   | 0.0038       |
| 15     | 7.960      |                | 2746.29       | 0.03     | *V | 4.5771e-05   | 0.0018       |
| 16     | 8.216      |                | 7929.59       | 0.08     | *V | 0.0001       | 0.0053       |
| 17     | 8.307      |                | 15123.20      | 0.16     | *V | 0.0003       | 0.0101       |
| 18     | 8.803      |                | 9988.74       | 0.10     | *V | 0.0002       | 0.0067       |
| 19     | 8.949      |                | 18123.40      | 0.19     | *V | 0.0003       | 0.0121       |
| 20     | 9.055      |                | 12505.21      | 0.13     | *V | 0.0002       | 0.0083       |
| 21     | 9.213      |                | 9146.00       | 0.09     | *V | 0.0002       | 0.0061       |
| 22     | 9.402      |                | 13397.04      | 0.14     | *V | 0.0002       | 0.0089       |
| 23     | 9.596      |                | 17187.95      | 0.18     | *V | 0.0003       | 0.0115       |
| 24     | 9.778      |                | 8336.55       | 0.09     | *V | 0.0001       | 0.0056       |
| 25     | 9.948      |                | 13377.15      | 0.14     | *V | 0.0002       | 0.0089       |
| 26     | 10.218     |                | 45665.34      | 0.47     | *V | 0.0008       | 0.0304       |
| 27     | 10.448     |                | 47853.55      | 0.49     | *V | 0.0008       | 0.0319       |
| 28     | 10.653     |                | 13716.51      | 0.14     | *E | 0.0002       | 0.0091       |
| 29     | 10.787     |                | 20358.92      | 0.21     | *V | 0.0003       | 0.0136       |
| 30     | 11.015     |                | 18436.62      | 0.19     | *V | 0.0003       | 0.0123       |
| 31     | 11.224     |                | 20723.54      | 0.21     | *V | 0.0003       | 0.0138       |
| 32     | 11.340     |                | 12682.10      | 0.13     | *V | 0.0002       | 0.0085       |
| 33     | 11.424     |                | 9522.86       | 0.10     | *V | 0.0002       | 0.0063       |
| 34     | 11.555     |                | 33209.74      | 0.34     | *V | 0.0006       | 0.0221       |
| 35     | 11.680     |                | 18856.84      | 0.19     | *V | 0.0003       | 0.0126       |
| 36     | 11.974     |                | 31971.28      | 0.33     | *V | 0.0005       | 0.0213       |
| 37     | 12.062     |                | 29783.07      | 0.31     | *V | 0.0005       | 0.0199       |
| 38     | 12.229     |                | 16206.33      | 0.17     | *V | 0.0003       | 0.0108       |
| 39     | 12.332     |                | 10632.90      | 0.11     | *V | 0.0002       | 0.0071       |
| 40     | 12.412     |                | 28843.67      | 0.30     | *V | 0.0005       | 0.0192       |
| 41     | 12.536     |                | 11897.13      | 0.12     | *V | 0.0002       | 0.0079       |
| 42     | 12.623     |                | 14436.95      | 0.15     | *V | 0.0002       | 0.0096       |
| 43     | 12.686     |                | 12649.70      | 0.13     | *V | 0.0002       | 0.0084       |
| 44     | 12.757     |                | 17605.62      | 0.18     | *V | 0.0003       | 0.0117       |
| 45     | 12.943     |                | 55938.09      | 0.57     | *V | 0.0009       | 0.0373       |
| 46     | 13.109     |                | 26686.83      | 0.27     | *V | 0.0004       | 0.0178       |
| 47     | 13.380     |                | 70940.26      | 0.73     | *V | 0.0012       | 0.0473       |
| 48     | 13.569     |                | 34422.20      | 0.35     | *V | 0.0006       | 0.0229       |
| 49     | 13.737     |                | 35939.32      | 0.37     | *V | 0.0006       | 0.0240       |
| 50     | 13.830     |                | 14406.08      | 0.15     | *V | 0.0002       | 0.0096       |
| 51     | 13.970     |                | 82051.80      | 0.84     | *V | 0.0014       | 0.0547       |
| 52     | 14.160     |                | 31275.71      | 0.32     | *V | 0.0005       | 0.0209       |
| 53     | 14.288     |                | 37190.16      | 0.38     | *V | 0.0006       | 0.0248       |
| 54     | 14.414     |                | 52096.30      | 0.53     | *V | 0.0009       | 0.0347       |
| 55     | 14.542     |                | 41429.86      | 0.43     | *V | 0.0007       | 0.0276       |
| 56     | 14.667     |                | 30990.17      | 0.32     | *V | 0.0005       | 0.0207       |
| 57     | 14.747     |                | 52594.83      | 0.54     | *V | 0.0009       | 0.0351       |
| 58     | 14.879     |                | 28598.04      | 0.29     | *V | 0.0005       | 0.0191       |
| 59     | 14.983     |                | 138621.56     | 1.42     | *V | 0.0023       | 0.0924       |
| 60     | 15.105     |                | 68703.22      | 0.71     | *V | 0.0011       | 0.0458       |
| 61     | 15.212     |                | 47764.66      | 0.49     | *V | 0.0008       | 0.0318       |
| 62     | 15.340     |                | 39721.30      | 0.41     | *V | 0.0007       | 0.0265       |
| 63     | 15.458     |                | 35874.28      | 0.37     | *V | 0.0006       | 0.0239       |
| 64     | 15.566     |                | 43017.00      | 0.44     | *V | 0.0007       | 0.0287       |
| 65     | 15.661     |                | 45005.11      | 0.46     | *V | 0.0008       | 0.0300       |
| 66     | 15.718     |                | 22582.58      | 0.23     | *V | 0.0004       | 0.0151       |
| 67     | 15.796     |                | 40463.67      | 0.42     | *V | 0.0007       | 0.0270       |
| 68     | 15.877     |                | 40787.60      | 0.42     | *V | 0.0007       | 0.0272       |
| 69     | 16.102     |                | 87015.88      | 0.89     | *V | 0.0015       | 0.0580       |
| 70     | 16.157     |                | 23378.51      | 0.24     | *V | 0.0004       | 0.0156       |
| 71     | 16.221     |                | 45952.55      | 0.47     | *V | 0.0008       | 0.0306       |

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|----|--------------|--------------|
| 72     | 16.453     |                | 108692.21     | 1.12     | *V | 0.0018       | 0.0725       |
| 73     | 16.569     |                | 55457.42      | 0.57     | *V | 0.0009       | 0.037        |
| 74     | 16.683     |                | 30982.52      | 0.32     | *V | 0.0005       | 0.020        |
| 75     | 16.803     |                | 65556.35      | 0.67     | *V | 0.0011       | 0.0437       |
| 76     | 16.872     |                | 45996.93      | 0.47     | *V | 0.0008       | 0.0307       |
| 77     | 16.977     |                | 58321.30      | 0.60     | *V | 0.0010       | 0.038        |
| 78     | 17.133     |                | 51635.65      | 0.53     | *V | 0.0009       | 0.034        |
| 79     | 17.203     |                | 59455.83      | 0.61     | *V | 0.0010       | 0.0396       |
| 80     | 17.387     |                | 95963.31      | 0.98     | *V | 0.0016       | 0.064        |
| 81     | 17.508     |                | 56061.80      | 0.58     | *V | 0.0009       | 0.031        |
| 82     | 17.615     |                | 61536.27      | 0.63     | *V | 0.0010       | 0.0410       |
| 83     | 17.782     |                | 84170.88      | 0.86     | *V | 0.0014       | 0.0561       |
| 84     | 17.895     |                | 36636.80      | 0.38     | *V | 0.0006       | 0.024        |
| 85     | 18.018     |                | 151871.56     | 1.56     | *V | 0.0025       | 0.1012       |
| 86     | 18.349     |                | 137083.26     | 1.41     | *V | 0.0023       | 0.0914       |
| 87     | 18.458     |                | 67448.93      | 0.69     | *V | 0.0011       | 0.049        |
| 88     | 18.602     |                | 120604.52     | 1.24     | *V | 0.0020       | 0.080        |
| 89     | 18.831     |                | 134535.16     | 1.38     | *V | 0.0022       | 0.0897       |
| 90     | 19.088     |                | 93223.02      | 0.96     | *V | 0.0016       | 0.0621       |
| 91     | 19.184     |                | 69814.02      | 0.72     | *V | 0.0012       | 0.046        |
| 92     | 19.384     |                | 170320.81     | 1.75     | *V | 0.0028       | 0.1135       |
| 93     | 19.600     |                | 23409.37      | 0.24     | *V | 0.0004       | 0.0156       |
| 94     | 19.685     |                | 109106.18     | 1.12     | *V | 0.0018       | 0.071        |
| 95     | 19.831     |                | 62442.26      | 0.64     | *V | 0.0010       | 0.0415       |
| 96     | 19.916     |                | 58151.04      | 0.60     | *V | 0.0010       | 0.0388       |
| 97     | 20.026     |                | 48273.13      | 0.50     | *V | 0.0008       | 0.0322       |
| 98     | 20.090     |                | 111607.48     | 1.15     | *V | 0.0019       | 0.071        |
| 99     | 20.266     |                | 38375.71      | 0.39     | *V | 0.0006       | 0.0255       |
| 100    | 20.333     |                | 30505.67      | 0.31     | *V | 0.0005       | 0.0203       |
| 101    | 20.398     |                | 31059.54      | 0.32     | *V | 0.0005       | 0.021        |
| 102    | 20.538     | n-Pentacosane  | 2133747.32    | 21.90    | *V | 2.1686       | 86.74        |
| 103    | 20.721     |                | 145553.21     | 1.49     | *E | 0.0024       | 0.0970       |
| 104    | 20.974     |                | 122237.45     | 1.25     | *V | 0.0020       | 0.0815       |
| 105    | 21.225     |                | 101079.66     | 1.04     | *V | 0.0017       | 0.061        |
| 106    | 21.293     |                | 59789.20      | 0.61     | *V | 0.0010       | 0.0359       |
| 107    | 21.667     |                | 185969.06     | 1.91     | *V | 0.0031       | 0.1240       |
| 108    | 21.884     |                | 229759.55     | 2.36     | *V | 0.0038       | 0.1512       |
| 109    | 22.288     |                | 142080.88     | 1.46     | *V | 0.0024       | 0.0917       |
| 110    | 22.375     |                | 29230.34      | 0.30     | *V | 0.0005       | 0.0195       |
| 111    | 22.521     |                | 99588.17      | 1.02     | *V | 0.0017       | 0.0664       |
| 112    | 22.609     |                | 96110.10      | 0.99     | *V | 0.0016       | 0.061        |
| 113    | 22.794     |                | 130444.68     | 1.34     | *V | 0.0022       | 0.0870       |
| 114    | 23.122     |                | 212181.73     | 2.18     | *V | 0.0035       | 0.1415       |
| 115    | 23.468     |                | 55643.24      | 0.57     | *V | 0.0009       | 0.0371       |
| 116    | 23.523     |                | 90885.60      | 0.93     | *V | 0.0015       | 0.066        |
| 117    | 23.711     |                | 278254.58     | 2.86     | *V | 0.0046       | 0.1855       |
| 118    | 24.321     |                | 378552.98     | 3.88     | *V | 0.0063       | 0.2524       |
| 119    | 25.161     |                | 318299.57     | 3.27     | *V | 0.0053       | 0.2112       |
| 120    | 26.192     |                | 166115.42     | 1.70     | *V | 0.0028       | 0.1167       |
| 121    | 26.843     |                | 110186.25     | 1.13     | *V | 0.0018       | 0.0735       |
| 122    | 27.390     |                | 196949.62     | 2.02     | *V | 0.0033       | 0.1333       |
| 123    | 28.839     |                | 156942.38     | 1.61     | *V | 0.0026       | 0.1066       |
| 124    | 30.611     |                | 96944.16      | 0.99     | *V | 0.0016       | 0.0646       |
| 125    | 32.729     |                | 9886.07       | 0.10     | *V | 0.0002       | 0.0066       |



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Client Proj. ID: 940018.00, Sybase  
Lab Proj. ID: 9503J63

Sampled: 03/27/95  
Received: 03/27/95  
Analyzed: see below

Attention: Paul Hoffey

Reported: 04/10/95

### LABORATORY ANALYSIS

| Analyte                    | Units | Date Analyzed | Detection Limit | Sample Results |
|----------------------------|-------|---------------|-----------------|----------------|
| Lab No: 9503J63-01         |       |               |                 |                |
| Sample Desc : LIQUID,RMW-3 |       |               |                 |                |
| Arsenic                    | mg/L  | 04/04/95      | 0.0050          | N.D.           |
| Chromium                   | mg/L  | 04/03/95      | 0.010           | N.D.           |
| Lead                       | mg/L  | 04/03/95      | 0.0050          | N.D.           |
| Lab No: 9503J63-02         |       |               |                 |                |
| Sample Desc : LIQUID,MW-6  |       |               |                 |                |
| Arsenic                    | mg/L  | 04/04/95      | 0.0050          | 0.016          |
| Chromium                   | mg/L  | 04/03/95      | 0.010           | N.D.           |
| Lead                       | mg/L  | 04/03/95      | 0.0050          | N.D.           |
| Lab No: 9503J63-04         |       |               |                 |                |
| Sample Desc : LIQUID,MW-5  |       |               |                 |                |
| Arsenic                    | mg/L  | 04/04/95      | 0.0050          | 0.068          |
| Chromium                   | mg/L  | 04/03/95      | 0.010           | N.D.           |
| Lead                       | mg/L  | 04/03/95      | 0.0050          | N.D.           |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page: 1



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Client Proj. ID: 940018.00, Sybase  
Lab Proj. ID: 9503J63

Sampled:  
Received: 03/27/95  
Analyzed: see below

Attention: Paul Hoffey

Reported: 04/10/95

### LABORATORY ANALYSIS

| Analyte       | Units               | Date Analyzed | Detection Limit | Sample Results |
|---------------|---------------------|---------------|-----------------|----------------|
| Lab No:       | 9503J63-09          |               |                 |                |
| Sample Desc : | LIQUID,Method Blank |               |                 |                |
| Arsenic       | mg/L                | 04/04/95      | 0.0050          | N.D.           |
| Chromium      | mg/L                | 04/06/95      | 0.010           | N.D.           |
| Lead          | mg/L                | 04/03/95      | 0.0050          | N.D.           |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager



**Sequoia  
Analytical**

|                                                                          |                                                                          |                                                    |                                                                |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|
| 680 Chesapeake Drive<br>404 N. Wiget Lane<br>819 Striker Avenue, Suite 8 | Redwood City, CA 94063<br>Walnut Creek, CA 94598<br>Sacramento, CA 95834 | (415) 364-9600<br>(510) 988-9600<br>(916) 921-9600 | FAX (415) 364-9233<br>FAX (510) 988-9673<br>FAX (916) 921-0100 |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: RMW-3  
Matrix: LIQUID  
Analysis Method: EPA 8010  
Lab Number: 9503J63-01

Sampled: 03/27/95  
Received: 03/27/95  
  
Analyzed: 04/05/95  
Reported: 04/10/95

QC Batch Number: GC040195801008A  
Instrument ID: GCHP08

### Halogenated Volatile Organics (EPA 8010)

| Analyte                   | Detection Limit<br>ug/L | Sample Results<br>ug/L |
|---------------------------|-------------------------|------------------------|
| Bromodichloromethane      | 0.50                    | N.D.                   |
| Bromoform                 | 0.50                    | N.D.                   |
| Bromomethane              | 1.0                     | N.D.                   |
| Carbon Tetrachloride      | 0.50                    | N.D.                   |
| Chlorobenzene             | 0.50                    | N.D.                   |
| Chloroethane              | 1.0                     | N.D.                   |
| 2-Chloroethylvinyl ether  | 1.0                     | N.D.                   |
| Chloroform                | 0.50                    | N.D.                   |
| Chloromethane             | 1.0                     | N.D.                   |
| Dibromochloromethane      | 0.50                    | N.D.                   |
| 1,2-Dichlorobenzene       | 0.50                    | N.D.                   |
| 1,3-Dichlorobenzene       | 0.50                    | N.D.                   |
| 1,4-Dichlorobenzene       | 0.50                    | N.D.                   |
| 1,1-Dichloroethane        | 0.50                    | 11                     |
| 1,2-Dichloroethane        | 0.50                    | N.D.                   |
| 1,1-Dichloroethene        | 0.50                    | 1.4                    |
| cis-1,2-Dichloroethene    | 0.50                    | 25                     |
| trans-1,2-Dichloroethene  | 0.50                    | 22                     |
| 1,2-Dichloropropane       | 0.50                    | N.D.                   |
| cis-1,3-Dichloropropene   | 0.50                    | N.D.                   |
| trans-1,3-Dichloropropene | 0.50                    | N.D.                   |
| Methylene chloride        | 5.0                     | N.D.                   |
| 1,1,2,2-Tetrachloroethane | 0.50                    | N.D.                   |
| Tetrachloroethene         | 0.50                    | N.D.                   |
| 1,1,1-Trichloroethane     | 0.50                    | N.D.                   |
| 1,1,2-Trichloroethane     | 0.50                    | N.D.                   |
| Trichloroethene           | 0.50                    | 36                     |
| Trichlorofluoromethane    | 0.50                    | N.D.                   |
| Vinyl chloride            | 1.0                     | 3.7                    |
| Freon 113                 | 1.0                     | N.D.                   |

#### Surrogates

1-Chloro-2-fluorobenzene

Control Limits %

70                    130

% Recovery

87

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page: 3



**Sequoia  
Analytical**

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

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

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

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

Erier & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: RMW-3  
Matrix: LIQUID  
Analysis Method: EPA 8100  
Lab Number: 9503J63-01

Sampled: 03/27/95  
Received: 03/27/95  
Extracted: 03/29/95  
Analyzed: 03/31/95  
Reported: 04/10/95

QC Batch Number: GC0329958100EXZ  
Instrument ID: GCHP11

### Polynuclear Aromatic Hydrocarbons (EPA 8100)

| Analyte                | Detection Limit<br>ug/L                     | Sample Results<br>ug/L |
|------------------------|---------------------------------------------|------------------------|
| Acenaphthene           | 5.0                                         | N.D.                   |
| Acenaphthylene         | 5.0                                         | N.D.                   |
| Anthracene             | 5.0                                         | N.D.                   |
| Benzo(a)anthracene     | 5.0                                         | N.D.                   |
| Benzo(a)pyrene         | 5.0                                         | N.D.                   |
| Benzo(b)fluoranthene   | 5.0                                         | N.D.                   |
| Benzo(g,h,i)perylene   | 5.0                                         | N.D.                   |
| Benzo(k)fluoranthene   | 5.0                                         | N.D.                   |
| Chrysene               | 5.0                                         | N.D.                   |
| Dibenzo(a,h)anthracene | 5.0                                         | N.D.                   |
| Fluoranthene           | 5.0                                         | N.D.                   |
| Fluorene               | 5.0                                         | N.D.                   |
| Indeno(1,2,3-cd)pyrene | 5.0                                         | N.D.                   |
| Naphthalene            | 5.0                                         | N.D.                   |
| Phenanthrene           | 5.0                                         | N.D.                   |
| Pyrene                 | 5.0                                         | N.D.                   |
| Surrogates             |                                             |                        |
| 2-Fluorobiphenyl       | Control Limits %<br>50                  150 | % Recovery<br>58       |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

4



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: RMW-3  
Matrix: LIQUID  
Analysis Method: EPA 8015 Mod  
Lab Number: 9503J63-01

Sampled: 03/27/95  
Received: 03/27/95  
Extracted: 03/29/95  
Analyzed: 04/06/95  
Reported: 04/10/95

QC Batch Number: GC0329950HBPEXZ  
Instrument ID: GCHP5A

### Fuel Fingerprint

| Analyte                  | Detection Limit<br>ug/L | Sample Results<br>ug/L |
|--------------------------|-------------------------|------------------------|
| Extractable Hydrocarbons | .....                   | 10000                  |
| Chromatogram Pattern:    |                         | .....                  |
| Unidentified HC          | .....                   | C9-C24                 |
| Surrogates               | Control Limits %        | % Recovery             |
| n-Pentacosane (C25)      | 50 150                  | 0 Q                    |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page: 5



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: RMW-3  
Matrix: LIQUID  
Analysis Method: EPA 8015 Mod  
Lab Number: 9503J63-01

Sampled: 03/27/95  
Received: 03/27/95  
Analyzed: 04/06/95  
Reported: 04/10/95

QC Batch Number: GC040495ISHSHSA  
Instrument ID: GCV1

### Industrial Solvents

| Analyte                | Detection Limit<br>mg/L | Sample Results<br>mg/L |
|------------------------|-------------------------|------------------------|
| Acetone                | 2.0                     | N.D.                   |
| Acetonitrile           | 5.0                     | N.D.                   |
| Benzene                | 0.10                    | N.D.                   |
| iso-Butanol            | 5.0                     | N.D.                   |
| n-Butanol              | 5.0                     | N.D.                   |
| sec-Butanol            | 5.0                     | N.D.                   |
| t-Butanol              | 2.5                     | N.D.                   |
| Carbon tetrachloride   | 1.0                     | N.D.                   |
| Chloroform             | 1.0                     | N.D.                   |
| Cyclohexane            | 0.20                    | N.D.                   |
| 1,2-Dichloroethane     | 1.0                     | N.D.                   |
| t-1,2-Dichloroethene   | 0.50                    | N.D.                   |
| Ethanol                | 5.0                     | N.D.                   |
| Ethyl acetate          | 1.0                     | N.D.                   |
| Ethyl benzene          | 0.10                    | N.D.                   |
| Ethyl ether            | 0.10                    | N.D.                   |
| Freon 113              | 1.0                     | N.D.                   |
| Hexane                 | 0.50                    | N.D.                   |
| Methanol               | 5.0                     | N.D.                   |
| Methyl ethyl ketone    | 1.0                     | N.D.                   |
| Methyl isobutyl ketone | 1.0                     | N.D.                   |
| Methylene chloride     | 1.0                     | N.D.                   |
| iso-Octane             | 0.10                    | N.D.                   |
| iso-Propanol           | 5.0                     | N.D.                   |
| n-Propanol             | 5.0                     | N.D.                   |
| n-Propyl benzene       | 0.10                    | N.D.                   |
| Tetrachloroethylene    | 0.50                    | N.D.                   |
| Tetrahydrofuran        | 2.0                     | N.D.                   |
| 1,1,1-Trichloroethane  | 0.50                    | N.D.                   |
| Trichloroethylene      | 0.50                    | N.D.                   |
| Toluene                | 0.10                    | N.D.                   |
| m-Xylene               | 0.10                    | N.D.                   |
| o-Xylene               | 0.10                    | N.D.                   |
| p-Xylene               | 0.10                    | N.D.                   |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

6



**Sequoia  
Analytical**

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: RMW-3  
Matrix: LIQUID  
Analysis Method: 8015Mod/8020  
Lab Number: 9503J63-01

Sampled: 03/27/95  
Received: 03/27/95  
  
Analyzed: 04/06/95  
Reported: 04/10/95

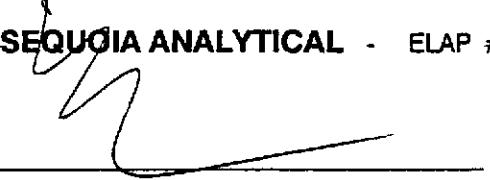
QC Batch Number: GC040695BTEX17A  
Instrument ID: GCHP17

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

| Analyte                                  | Detection Limit<br>ug/L    | Sample Results<br>ug/L |
|------------------------------------------|----------------------------|------------------------|
| TPPH as Gas                              | 1000                       | 11000                  |
| Benzene                                  | 10                         | N.D.                   |
| Toluene                                  | 10                         | N.D.                   |
| Ethyl Benzene                            | 10                         | N.D.                   |
| Xylenes (Total)                          | 10                         | N.D.                   |
| Chromatogram Pattern:<br>Unidentified HC |                            | >C8                    |
| Surrogates                               |                            |                        |
| Trifluorotoluene                         | Control Limits %<br>70 130 | % Recovery<br>100      |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

  
Eileen Manning  
Project Manager

Page: 7



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffer

QC Batch Number: GC040195801008A  
Instrument ID: GCHP08

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW-6  
Matrix: LIQUID  
Analysis Method: EPA 8010  
Lab Number: 9503J63-02

Sampled: 03/27/95  
Received: 03/27/95  
Analyzed: 04/06/95  
Reported: 04/10/95

### Halogenated Volatile Organics (EPA 8010)

| Analyte                   | Detection Limit<br>ug/L | Sample Results<br>ug/L |
|---------------------------|-------------------------|------------------------|
| Bromodichloromethane      | 0.50                    | N.D.                   |
| Bromoform                 | 0.50                    | N.D.                   |
| Bromomethane              | 1.0                     | N.D.                   |
| Carbon Tetrachloride      | 0.50                    | N.D.                   |
| Chlorobenzene             | 0.50                    | N.D.                   |
| Chloroethane              | 1.0                     | N.D.                   |
| 2-Chloroethylvinyl ether  | 1.0                     | N.D.                   |
| Chloroform                | 0.50                    | N.D.                   |
| Chloromethane             | 1.0                     | N.D.                   |
| Dibromochloromethane      | 0.50                    | N.D.                   |
| 1,2-Dichlorobenzene       | 0.50                    | N.D.                   |
| 1,3-Dichlorobenzene       | 0.50                    | N.D.                   |
| 1,4-Dichlorobenzene       | 0.50                    | N.D.                   |
| 1,1-Dichloroethane        | 0.50                    | N.D.                   |
| 1,2-Dichloroethane        | 0.50                    | N.D.                   |
| 1,1-Dichloroethene        | 0.50                    | N.D.                   |
| cis-1,2-Dichloroethene    | 0.50                    | N.D.                   |
| trans-1,2-Dichloroethene  | 0.50                    | N.D.                   |
| 1,2-Dichloropropane       | 0.50                    | N.D.                   |
| cis-1,3-Dichloropropene   | 0.50                    | N.D.                   |
| trans-1,3-Dichloropropene | 0.50                    | N.D.                   |
| Methylene chloride        | 5.0                     | N.D.                   |
| 1,1,2,2-Tetrachloroethane | 0.50                    | N.D.                   |
| Tetrachloroethene         | 0.50                    | N.D.                   |
| 1,1,1-Trichloroethane     | 0.50                    | N.D.                   |
| 1,1,2-Trichloroethane     | 0.50                    | N.D.                   |
| Trichloroethene           | 0.50                    | N.D.                   |
| Trichlorofluoromethane    | 0.50                    | N.D.                   |
| Vinyl chloride            | 1.0                     | N.D.                   |
| Freon 113                 | 1.0                     | N.D.                   |
| Surrogates                |                         | Control Limits %       |
| 1-Chloro-2-fluorobenzene  | 70                      | 130                    |
|                           |                         | % Recovery             |
|                           |                         | 77                     |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

8



**Sequoia  
Analytical**

|                                                                          |                                                                          |                                                    |                                                                |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|
| 680 Chesapeake Drive<br>404 N. Wiget Lane<br>819 Striker Avenue, Suite 8 | Redwood City, CA 94063<br>Walnut Creek, CA 94598<br>Sacramento, CA 95834 | (415) 364-9600<br>(510) 988-9600<br>(916) 921-9600 | FAX (415) 364-9233<br>FAX (510) 988-9673<br>FAX (916) 921-0100 |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW-6  
Matrix: LIQUID  
Analysis Method: EPA 8100  
Lab Number: 9503J63-02

Sampled: 03/27/95  
Received: 03/27/95  
Extracted: 03/29/95  
Analyzed: 03/31/95  
Reported: 04/10/95

QC Batch Number: GC0329958100EXZ  
Instrument ID: GCHP11

### Polynuclear Aromatic Hydrocarbons (EPA 8100)

| Analyte                | Detection Limit<br>ug/L | Sample Results<br>ug/L |
|------------------------|-------------------------|------------------------|
| Acenaphthene           | 5.0                     | N.D.                   |
| Acenaphthylene         | 5.0                     | N.D.                   |
| Anthracene             | 5.0                     | N.D.                   |
| Benzo(a)anthracene     | 5.0                     | N.D.                   |
| Benzo(a)pyrene         | 5.0                     | N.D.                   |
| Benzo(b)fluoranthene   | 5.0                     | N.D.                   |
| Benzo(g,h,i)perylene   | 5.0                     | N.D.                   |
| Benzo(k)fluoranthene   | 5.0                     | N.D.                   |
| Chrysene               | 5.0                     | N.D.                   |
| Dibenz(a,h)anthracene  | 5.0                     | N.D.                   |
| Fluoranthene           | 5.0                     | N.D.                   |
| Fluorene               | 5.0                     | N.D.                   |
| Indeno(1,2,3-cd)pyrene | 5.0                     | N.D.                   |
| Naphthalene            | 5.0                     | N.D.                   |
| Phenanthrene           | 5.0                     | N.D.                   |
| Pyrene                 | 5.0                     | N.D.                   |
| Surrogates             |                         |                        |
| 2-Fluorobiphenyl       | 50                      | 150                    |
|                        | Control Limits %        | % Recovery             |
|                        |                         | 97                     |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page: 9



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

QC Batch Number: GC0329950HBPEXZ  
Instrument ID: GCHP5A

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW-6  
Matrix: LIQUID  
Analysis Method: EPA 8015 Mod  
Lab Number: 9503J63-02

Sampled: 03/27/95  
Received: 03/27/95  
Extracted: 03/29/95  
Analyzed: 04/06/95  
Reported: 04/10/95

### Fuel Fingerprint

| Analyte                                                                     | Detection Limit<br>ug/L           | Sample Results<br>ug/L |
|-----------------------------------------------------------------------------|-----------------------------------|------------------------|
| <b>Extractable Hydrocarbons</b><br>Chromatogram Pattern:<br>Unidentified HC | ..... 500 .....<br>..... 50 ..... | 13000<br>C9-C24        |
| <b>Surrogates</b><br>n-Pentacosane (C25)                                    | Control Limits %<br>50 150        | % Recovery<br>0 Q      |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page: 10



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW-6  
Matrix: LIQUID  
Analysis Method: EPA 8015 Mod  
Lab Number: 9503J63-02

Sampled: 03/27/95  
Received: 03/27/95  
Analyzed: 04/05/95  
Reported: 04/10/95

QC Batch Number: GC040495ISHSHSA  
Instrument ID: GCV1

### Industrial Solvents

| Analyte                | Detection Limit<br>mg/L | Sample Results<br>mg/L |
|------------------------|-------------------------|------------------------|
| Acetone                | 0.40                    | N.D.                   |
| Acetonitrile           | 1.0                     | N.D.                   |
| Benzene                | 0.020                   | N.D.                   |
| iso-Butanol            | 1.0                     | N.D.                   |
| n-Butanol              | 1.0                     | N.D.                   |
| sec-Butanol            | 1.0                     | N.D.                   |
| t-Butanol              | 0.50                    | N.D.                   |
| Carbon tetrachloride   | 0.20                    | N.D.                   |
| Chloroform             | 0.20                    | N.D.                   |
| Cyclohexane            | 0.040                   | N.D.                   |
| 1,2-Dichloroethane     | 0.20                    | N.D.                   |
| t-1,2-Dichloroethene   | 0.10                    | N.D.                   |
| Ethanol                | 1.0                     | N.D.                   |
| Ethyl acetate          | 0.20                    | N.D.                   |
| Ethyl benzene          | 0.020                   | N.D.                   |
| Ethyl ether            | 0.020                   | N.D.                   |
| Freon 113              | 0.20                    | N.D.                   |
| Hexane                 | 0.10                    | N.D.                   |
| Methanol               | 1.0                     | N.D.                   |
| Methyl ethyl ketone    | 0.20                    | N.D.                   |
| Methyl isobutyl ketone | 0.20                    | N.D.                   |
| Methylene chloride     | 0.20                    | N.D.                   |
| iso-Octane             | 0.020                   | N.D.                   |
| iso-Propanol           | 1.0                     | N.D.                   |
| n-Propanol             | 1.0                     | N.D.                   |
| n-Propyl benzene       | 0.020                   | N.D.                   |
| Tetrachloroethylene    | 0.10                    | N.D.                   |
| Tetrahydrofuran        | 0.40                    | N.D.                   |
| 1,1,1-Trichloroethane  | 0.10                    | N.D.                   |
| Trichloroethylene      | 0.10                    | N.D.                   |
| Toluene                | 0.020                   | N.D.                   |
| m-Xylene               | 0.020                   | N.D.                   |
| o-Xylene               | 0.020                   | N.D.                   |
| p-Xylene               | 0.020                   | N.D.                   |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

11



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW-6  
Matrix: LIQUID  
Analysis Method: 8015Mod/8020  
Lab Number: 9503J63-02

Sampled: 03/27/95  
Received: 03/27/95  
Analyzed: 04/06/95  
Reported: 04/10/95

QC Batch Number: GC040695BTEX17A  
Instrument ID: GCHP17

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

| Analyte                                  | Detection Limit<br>ug/L | Sample Results<br>ug/L |            |
|------------------------------------------|-------------------------|------------------------|------------|
| TPPH as Gas                              | 50                      | .....                  | 74         |
| Benzene                                  | 0.50                    | .....                  | N.D.       |
| Toluene                                  | 0.50                    | .....                  | N.D.       |
| Ethyl Benzene                            | 0.50                    | .....                  | N.D.       |
| Xylenes (Total)                          | 0.50                    | .....                  | N.D.       |
| Chromatogram Pattern:<br>Unidentified HC | .....                   | .....                  | >C8        |
| Surrogates                               | Control Limits %        |                        | % Recovery |
| Trifluorotoluene                         | 70                      | 130                    | 90         |

*[Handwritten signature]*  
Analytes reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: M-6 DUP  
Matrix: LIQUID  
Analysis Method: EPA 8015 Mod  
Lab Number: 9503J63-03

Sampled: 03/27/95  
Received: 03/27/95  
Extracted: 03/29/95  
Analyzed: 04/06/95  
Reported: 04/10/95

QC Batch Number: GC0329950HBPEXZ  
Instrument ID: GCHP5A

### Fuel Fingerprint

| Analyte                                                              | Detection Limit<br>ug/L    | Sample Results<br>ug/L |
|----------------------------------------------------------------------|----------------------------|------------------------|
| Extractable Hydrocarbons<br>Chromatogram Pattern:<br>Unidentified HC | ..... 500                  | ..... 5600             |
| Surrogates<br>n-Pentacosane (C25)                                    | Control Limits %<br>50 150 | % Recovery<br>0 Q      |

*E*  
Analyses reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page: 13



**Sequoia  
Analytical**

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

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

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

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

Erier & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Client Proj. ID: 940018.00, Sybase  
Sample Descript: M-6 DUP  
Matrix: LIQUID  
Analysis Method: 8015Mod/8020  
Lab Number: 9503J63-03

Sampled: 03/27/95  
Received: 03/27/95  
Analyzed: 04/06/95  
Reported: 04/10/95

QC Batch Number: GC040695BTEX17A  
Instrument ID: GCHP17

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

| Analyte                                  | Detection Limit<br>ug/L | Sample Results<br>ug/L |
|------------------------------------------|-------------------------|------------------------|
| TPPH as Gas                              | 50                      | 250                    |
| Benzene                                  | 0.50                    | N.D.                   |
| Toluene                                  | 0.50                    | N.D.                   |
| Ethyl Benzene                            | 0.50                    | N.D.                   |
| Xylenes (Total)                          | 0.50                    | N.D.                   |
| Chromatogram Pattern:<br>Unidentified HC | .....                   | >C8                    |
| Surrogates                               | Control Limits %        |                        |
| Trifluorotoluene                         | 70                      | 130                    |
|                                          | % Recovery              |                        |
|                                          | 93                      |                        |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: M-6 DUP  
Matrix: LIQUID  
Analysis Method: EPA 8010  
Lab Number: 9503J63-03

Sampled: 03/27/95  
Received: 03/27/95  
Analyzed: 04/06/95  
Reported: 04/10/95

QC Batch Number: GC040195801008A  
Instrument ID: GCHP08

### Halogenated Volatile Organics (EPA 8010)

| Analyte                   | Detection Limit<br>ug/L | Sample Results<br>ug/L |
|---------------------------|-------------------------|------------------------|
| Bromodichloromethane      | 0.50                    | N.D.                   |
| Bromoform                 | 0.50                    | N.D.                   |
| Bromomethane              | 1.0                     | N.D.                   |
| Carbon Tetrachloride      | 0.50                    | N.D.                   |
| Chlorobenzene             | 0.50                    | N.D.                   |
| Chloroethane              | 1.0                     | N.D.                   |
| 2-Chloroethylvinyl ether  | 1.0                     | N.D.                   |
| Chloroform                | 0.50                    | N.D.                   |
| Chloromethane             | 1.0                     | N.D.                   |
| Dibromochloromethane      | 0.50                    | N.D.                   |
| 1,2-Dichlorobenzene       | 0.50                    | N.D.                   |
| 1,3-Dichlorobenzene       | 0.50                    | N.D.                   |
| 1,4-Dichlorobenzene       | 0.50                    | N.D.                   |
| 1,1-Dichloroethane        | 0.50                    | N.D.                   |
| 1,2-Dichloroethane        | 0.50                    | N.D.                   |
| 1,1-Dichloroethene        | 0.50                    | N.D.                   |
| cis-1,2-Dichloroethene    | 0.50                    | N.D.                   |
| trans-1,2-Dichloroethene  | 0.50                    | N.D.                   |
| 1,2-Dichloropropane       | 0.50                    | N.D.                   |
| cis-1,3-Dichloropropene   | 0.50                    | N.D.                   |
| trans-1,3-Dichloropropene | 0.50                    | N.D.                   |
| Methylene chloride        | 5.0                     | N.D.                   |
| 1,1,2,2-Tetrachloroethane | 0.50                    | N.D.                   |
| Tetrachloroethene         | 0.50                    | N.D.                   |
| 1,1,1-Trichloroethane     | 0.50                    | N.D.                   |
| 1,1,2-Trichloroethane     | 0.50                    | N.D.                   |
| Trichloroethene           | 0.50                    | N.D.                   |
| Trichlorofluoromethane    | 0.50                    | N.D.                   |
| Vinyl chloride            | 1.0                     | N.D.                   |
| Freon 113                 | 1.0                     | N.D.                   |

| Surrogates               | Control Limits % | % Recovery |
|--------------------------|------------------|------------|
| 1-Chloro-2-fluorobenzene | 70      130      | 74         |

*[Signature]*  
Analytes reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

15



Sequoia  
Analytical

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Erier & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW-5  
Matrix: LIQUID  
Analysis Method: EPA 8010  
Lab Number: 9503J63-04

Sampled: 03/27/95  
Received: 03/27/95  
Analyzed: 04/05/95  
Reported: 04/10/95

QC Batch Number: GC040195801008A  
Instrument ID: GCHP08

### Halogenated Volatile Organics (EPA 8010)

| Analyte                   | Detection Limit<br>ug/L | Sample Results<br>ug/L |
|---------------------------|-------------------------|------------------------|
| Bromodichloromethane      | 0.50                    | N.D.                   |
| Bromoform                 | 0.50                    | N.D.                   |
| Bromomethane              | 1.0                     | N.D.                   |
| Carbon Tetrachloride      | 0.50                    | N.D.                   |
| Chlorobenzene             | 0.50                    | N.D.                   |
| <b>Chloroethane</b>       | <b>1.0</b>              | <b>18</b>              |
| 2-Chloroethylvinyl ether  | 1.0                     | N.D.                   |
| Chloroform                | 0.50                    | N.D.                   |
| Chloromethane             | 1.0                     | N.D.                   |
| Dibromochloromethane      | 0.50                    | N.D.                   |
| 1,2-Dichlorobenzene       | 0.50                    | N.D.                   |
| 1,3-Dichlorobenzene       | 0.50                    | N.D.                   |
| 1,4-Dichlorobenzene       | 0.50                    | N.D.                   |
| <b>1,1-Dichloroethane</b> | <b>0.50</b>             | <b>5.8</b>             |
| 1,2-Dichloroethane        | 0.50                    | N.D.                   |
| 1,1-Dichloroethene        | 0.50                    | N.D.                   |
| cis-1,2-Dichloroethene    | 0.50                    | 8.5                    |
| trans-1,2-Dichloroethene  | 0.50                    | 9.6                    |
| 1,2-Dichloropropane       | 0.50                    | N.D.                   |
| cis-1,3-Dichloropropene   | 0.50                    | N.D.                   |
| trans-1,3-Dichloropropene | 0.50                    | N.D.                   |
| Methylene chloride        | 5.0                     | N.D.                   |
| 1,1,2,2-Tetrachloroethane | 0.50                    | N.D.                   |
| Tetrachloroethene         | 0.50                    | N.D.                   |
| 1,1,1-Trichloroethane     | 0.50                    | N.D.                   |
| 1,1,2-Trichloroethane     | 0.50                    | N.D.                   |
| Trichloroethene           | 0.50                    | N.D.                   |
| Trichlorofluoromethane    | 0.50                    | N.D.                   |
| Vinyl chloride            | 1.0                     | 10                     |
| Freon 113                 | 1.0                     | N.D.                   |
|                           |                         |                        |
| <b>Surrogates</b>         | <b>Control Limits %</b> | <b>% Recovery</b>      |
| 1-Chloro-2-fluorobenzene  | 70                      | 130                    |

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

SEQUOIA ANALYTICAL - ELAP #1210

Eileen Manning  
Project Manager

Page:

16



Sequoia  
Analytical

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW-5  
Matrix: LIQUID  
Analysis Method: EPA 8100  
Lab Number: 9503J63-04

Sampled: 03/27/95  
Received: 03/27/95  
Extracted: 03/29/95  
Analyzed: 03/31/95  
Reported: 04/10/95

QC Batch Number: GC0329958100EXZ  
Instrument ID: GCHP11

### Polynuclear Aromatic Hydrocarbons (EPA 8100)

| Analyte                | Detection Limit<br>ug/L | Sample Results<br>ug/L |
|------------------------|-------------------------|------------------------|
| Acenaphthene           | 5.0                     | N.D.                   |
| Acenaphthylene         | 5.0                     | N.D.                   |
| Anthracene             | 5.0                     | N.D.                   |
| Benzo(a)anthracene     | 5.0                     | N.D.                   |
| Benzo(a)pyrene         | 5.0                     | N.D.                   |
| Benzo(b)fluoranthene   | 5.0                     | N.D.                   |
| Benzo(g,h,i)perylene   | 5.0                     | N.D.                   |
| Benzo(k)fluoranthene   | 5.0                     | N.D.                   |
| Chrysene               | 5.0                     | N.D.                   |
| Dibenz(a,h)anthracene  | 5.0                     | N.D.                   |
| Fluoranthene           | 5.0                     | N.D.                   |
| Fluorene               | 5.0                     | N.D.                   |
| Indeno(1,2,3-cd)pyrene | 5.0                     | N.D.                   |
| Naphthalene            | 5.0                     | N.D.                   |
| Phenanthrene           | 5.0                     | N.D.                   |
| Pyrene                 | 5.0                     | N.D.                   |

| Surrogates       | Control Limits % | % Recovery |
|------------------|------------------|------------|
| 2-Fluorobiphenyl | 50 150           | 130        |

*[Signature]*  
Analytes reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL - ELAP #1210**

*[Signature]*  
Eileen Manning  
Project Manager

Page:

17



**Sequoia  
Analytical**

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

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

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

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

Erier & Kalinowski, Inc.  
1730 South Amphlett, Ste 320.  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW-5  
Matrix: LIQUID  
Analysis Method: EPA 8015 Mod  
Lab Number: 9503J63-04

Sampled: 03/27/95  
Received: 03/27/95  
Extracted: 03/29/95  
Analyzed: 04/06/95  
Reported: 04/10/95

QC Batch Number: GC0329950HBPEXZ  
Instrument ID: GCHP5A

### Fuel Fingerprint

| Analyte                                                                     | Detection Limit<br>ug/L    | Sample Results<br>ug/L |
|-----------------------------------------------------------------------------|----------------------------|------------------------|
| <b>Extractable Hydrocarbons</b><br>Chromatogram Pattern:<br>Unidentified HC | ..... 2500                 | ..... 29000            |
|                                                                             | .....                      | C9-C24                 |
| <b>Surrogates</b><br>n-Pentacosane (C25)                                    | Control Limits %<br>50 150 | % Recovery<br>0 Q      |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

18



**Sequoia  
Analytical**

|                                                                          |                                                                          |                                                    |                                                                |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|
| 680 Chesapeake Drive<br>404 N. Wiget Lane<br>819 Striker Avenue, Suite 8 | Redwood City, CA 94063<br>Walnut Creek, CA 94598<br>Sacramento, CA 95834 | (415) 364-9600<br>(510) 988-9600<br>(916) 921-9600 | FAX (415) 364-9233<br>FAX (510) 988-9673<br>FAX (916) 921-0100 |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW-5  
Matrix: LIQUID  
Analysis Method: EPA 8015 Mod  
Lab Number: 9503J63-04

Sampled: 03/27/95  
Received: 03/27/95  
Analyzed: 04/06/95  
Reported: 04/10/95

QC Batch Number: GC040495ISHSHSA  
Instrument ID: GCV1

### Industrial Solvents

| Analyte                | Detection Limit<br>mg/L | Sample Results<br>mg/L |
|------------------------|-------------------------|------------------------|
| Acetone                | 0.40                    | N.D.                   |
| Acetonitrile           | 1.0                     | N.D.                   |
| Benzene                | 0.020                   | N.D.                   |
| iso-Butanol            | 1.0                     | N.D.                   |
| n-Butanol              | 1.0                     | N.D.                   |
| sec-Butanol            | 1.0                     | N.D.                   |
| t-Butanol              | 0.50                    | N.D.                   |
| Carbon tetrachloride   | 0.20                    | 0.26                   |
| Chloroform             | 0.20                    | N.D.                   |
| Cyclohexane            | 0.040                   | N.D.                   |
| 1,2-Dichloroethane     | 0.20                    | 0.38                   |
| t-1,2-Dichloroethene   | 0.10                    | N.D.                   |
| Ethanol                | 1.0                     | N.D.                   |
| Ethyl acetate          | 0.20                    | 0.83                   |
| Ethyl benzene          | 0.020                   | 0.10                   |
| Ethyl ether            | 0.020                   | N.D.                   |
| Freon 113              | 0.20                    | N.D.                   |
| Hexane                 | 0.10                    | N.D.                   |
| Methanol               | 1.0                     | N.D.                   |
| Methyl ethyl ketone    | 0.20                    | N.D.                   |
| Methyl isobutyl ketone | 0.20                    | N.D.                   |
| Methylene chloride     | 0.20                    | N.D.                   |
| iso-Octane             | 0.020                   | N.D.                   |
| iso-Propanol           | 1.0                     | N.D.                   |
| n-Propanol             | 1.0                     | N.D.                   |
| n-Propyl benzene       | 0.020                   | N.D.                   |
| Tetrachloroethylene    | 0.10                    | 0.20                   |
| Tetrahydrofuran        | 0.40                    | N.D.                   |
| 1,1,1-Trichloroethane  | 0.10                    | N.D.                   |
| Trichloroethylene      | 0.10                    | N.D.                   |
| Toluene                | 0.020                   | 0.022                  |
| m-Xylene               | 0.020                   | N.D.                   |
| o-Xylene               | 0.020                   | 0.22                   |
| p-Xylene               | 0.020                   | N.D.                   |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

19



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: MW-5  
Matrix: LIQUID  
Analysis Method: 8015Mod/8020  
Lab Number: 9503J63-04

Sampled: 03/27/95  
Received: 03/27/95  
Analyzed: 04/06/95  
Reported: 04/10/95

QC Batch Number: GC040695BTEX17A  
Instrument ID: GCHP17

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

| Analyte                                  | Detection Limit<br>ug/L         | Sample Results<br>ug/L |
|------------------------------------------|---------------------------------|------------------------|
| TPPH as Gas                              | 50                              | 600                    |
| Benzene                                  | 0.50                            | N.D.                   |
| Toluene                                  | 0.50                            | N.D.                   |
| Ethyl Benzene                            | 0.50                            | N.D.                   |
| Xylenes (Total)                          | 0.50                            | N.D.                   |
| Chromatogram Pattern:<br>Unidentified HC |                                 | >C8                    |
| Surrogates                               |                                 |                        |
| Trifluorotoluene                         | Control Limits %<br>70      130 | % Recovery<br>101      |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

20



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: TB  
Matrix: LIQUID  
Analysis Method: 8015Mod/8020  
Lab Number: 9503J63-05

Sampled: 03/27/95  
Received: 03/27/95  
Analyzed: 04/06/95  
Reported: 04/10/95

QC Batch Number: GC040695BTEX17A  
Instrument ID: GCHP17

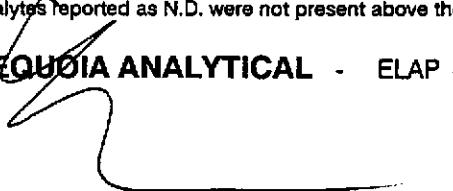
### Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

| Analyte               | Detection Limit<br>ug/L | Sample Results<br>ug/L |
|-----------------------|-------------------------|------------------------|
| TPPH as Gas           | 50                      | N.D.                   |
| Benzene               | 0.50                    | N.D.                   |
| Toluene               | 0.50                    | N.D.                   |
| Ethyl Benzene         | 0.50                    | N.D.                   |
| Xylenes (Total)       | 0.50                    | N.D.                   |
| Chromatogram Pattern: |                         |                        |

| Surrogates       | Control Limits % | % Recovery |
|------------------|------------------|------------|
| Trifluorotoluene | 70 130           | 98         |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

  
Eileen Manning  
Project Manager

Page:

21



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

QC Batch Number: GC0329958100EXZ  
Instrument ID: GCHP11

Client Proj. ID: 940018.00, Sybase  
Sample Descript: Method Blank  
Matrix: LIQUID  
Analysis Method: EPA 8100  
Lab Number: 9503J63-06

Sampled:  
Received: 03/27/95  
Extracted: 03/29/95  
Analyzed: 03/30/95  
Reported: 04/10/95

### Polynuclear Aromatic Hydrocarbons (EPA 8100)

| Analyte                | Detection Limit<br>ug/L         | Sample Results<br>ug/L |
|------------------------|---------------------------------|------------------------|
| Acenaphthene           | 5.0                             | N.D.                   |
| Acenaphthylene         | 5.0                             | N.D.                   |
| Anthracene             | 5.0                             | N.D.                   |
| Benzo(a)anthracene     | 5.0                             | N.D.                   |
| Benzo(a)pyrene         | 5.0                             | N.D.                   |
| Benzo(b)fluoranthene   | 5.0                             | N.D.                   |
| Benzo(g,h,i)perylene   | 5.0                             | N.D.                   |
| Benzo(k)fluoranthene   | 5.0                             | N.D.                   |
| Chrysene               | 5.0                             | N.D.                   |
| Dibenzo(a,h)anthracene | 5.0                             | N.D.                   |
| Fluoranthene           | 5.0                             | N.D.                   |
| Fluorene               | 5.0                             | N.D.                   |
| Indeno(1,2,3-cd)pyrene | 5.0                             | N.D.                   |
| Naphthalene            | 5.0                             | N.D.                   |
| Phenanthrene           | 5.0                             | N.D.                   |
| Pyrene                 | 5.0                             | N.D.                   |
|                        |                                 |                        |
| <b>Surrogates</b>      |                                 |                        |
| 2-Fluorobiphenyl       | Control Limits %<br>50      150 | % Recovery<br>50       |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

22



**Sequoia  
Analytical**

|                                                                          |                                                                          |                                                    |                                                                |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|
| 680 Chesapeake Drive<br>404 N. Wiget Lane<br>819 Striker Avenue, Suite 8 | Redwood City, CA 94063<br>Walnut Creek, CA 94598<br>Sacramento, CA 95834 | (415) 364-9600<br>(510) 988-9600<br>(916) 921-9600 | FAX (415) 364-9233<br>FAX (510) 988-9673<br>FAX (916) 921-0100 |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: Method Blank  
Matrix: LIQUID  
Analysis Method: EPA 8010  
Lab Number: 9503J63-07

Sampled:  
Received: 03/27/95  
Analyzed: 04/05/95  
Reported: 04/10/95

QC Batch Number: GC040195801008A  
Instrument ID: GCHP08

### Halogenated Volatile Organics (EPA 8010)

| Analyte                   | Detection Limit<br>ug/L | Sample Results<br>ug/L |
|---------------------------|-------------------------|------------------------|
| Bromodichloromethane      | 0.50                    | N.D.                   |
| Bromoform                 | 0.50                    | N.D.                   |
| Bromomethane              | 1.0                     | N.D.                   |
| Carbon Tetrachloride      | 0.50                    | N.D.                   |
| Chlorobenzene             | 0.50                    | N.D.                   |
| Chloroethane              | 1.0                     | N.D.                   |
| 2-Chloroethylvinyl ether  | 1.0                     | N.D.                   |
| Chloroform                | 0.50                    | N.D.                   |
| Chloromethane             | 1.0                     | N.D.                   |
| Dibromochloromethane      | 0.50                    | N.D.                   |
| 1,2-Dichlorobenzene       | 0.50                    | N.D.                   |
| 1,3-Dichlorobenzene       | 0.50                    | N.D.                   |
| 1,4-Dichlorobenzene       | 0.50                    | N.D.                   |
| 1,1-Dichloroethane        | 0.50                    | N.D.                   |
| 1,2-Dichloroethane        | 0.50                    | N.D.                   |
| 1,1-Dichloroethene        | 0.50                    | N.D.                   |
| cis-1,2-Dichloroethene    | 0.50                    | N.D.                   |
| trans-1,2-Dichloroethene  | 0.50                    | N.D.                   |
| 1,2-Dichloropropane       | 0.50                    | N.D.                   |
| cis-1,3-Dichloropropene   | 0.50                    | N.D.                   |
| trans-1,3-Dichloropropene | 0.50                    | N.D.                   |
| Methylene chloride        | 5.0                     | N.D.                   |
| 1,1,2,2-Tetrachloroethane | 0.50                    | N.D.                   |
| Tetrachloroethene         | 0.50                    | N.D.                   |
| 1,1,1-Trichloroethane     | 0.50                    | N.D.                   |
| 1,1,2-Trichloroethane     | 0.50                    | N.D.                   |
| Trichloroethene           | 0.50                    | N.D.                   |
| Trichlorofluoromethane    | 0.50                    | N.D.                   |
| Vinyl chloride            | 1.0                     | N.D.                   |
| Freon 113                 | 1.0                     | N.D.                   |

#### Surrogates

1-Chloro-2-fluorobenzene

|                  |    |     |            |    |
|------------------|----|-----|------------|----|
| Control Limits % | 70 | 130 | % Recovery | 87 |
|------------------|----|-----|------------|----|

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

23



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: Method Blank  
Matrix: LIQUID  
Analysis Method: EPA 8015 Mod  
Lab Number: 9503J63-08

Sampled:  
Received: 03/27/95  
Extracted: 03/29/95  
Analyzed: 03/30/95  
Reported: 04/10/95

QC Batch Number: GC0329950HBPEXZ  
Instrument ID: GCHP4B

### Fuel Fingerprint

| Analyte                                           | Detection Limit<br>ug/L | Sample Results<br>ug/L |
|---------------------------------------------------|-------------------------|------------------------|
| Extractable Hydrocarbons<br>Chromatogram Pattern: | 50                      | N.D.                   |
| Surrogates<br>n-Pentacosane (C25)                 | 50                      | 150                    |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

24



**Sequoia  
Analytical.**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: Method Blank  
Matrix: LIQUID  
Analysis Method: EPA 8015 Mod  
Lab Number: 9503J63-10

Sampled:  
Received: 03/27/95  
  
Analyzed: 04/06/95  
Reported: 04/10/95

QC Batch Number: GC040495ISHSHSA  
Instrument ID: GCV1

### Industrial Solvents

| Analyte                | Detection Limit<br>mg/L | Sample Results<br>mg/L |
|------------------------|-------------------------|------------------------|
| Acetone                | 0.40                    | N.D.                   |
| Acetonitrile           | 1.0                     | N.D.                   |
| Benzene                | 0.020                   | N.D.                   |
| iso-Butanol            | 1.0                     | N.D.                   |
| n-Butanol              | 1.0                     | N.D.                   |
| sec-Butanol            | 1.0                     | N.D.                   |
| t-Butanol              | 0.50                    | N.D.                   |
| Carbon tetrachloride   | 0.20                    | N.D.                   |
| Chloroform             | 0.20                    | N.D.                   |
| Cyclohexane            | 0.040                   | N.D.                   |
| 1,2-Dichloroethane     | 0.20                    | N.D.                   |
| t-1,2-Dichloroethene   | 0.10                    | N.D.                   |
| Ethanol                | 1.0                     | N.D.                   |
| Ethyl acetate          | 0.20                    | N.D.                   |
| Ethyl benzene          | 0.020                   | N.D.                   |
| Ethyl ether            | 0.020                   | N.D.                   |
| Freon 113              | 0.20                    | N.D.                   |
| Hexane                 | 0.10                    | N.D.                   |
| Methanol               | 1.0                     | N.D.                   |
| Methyl ethyl ketone    | 0.20                    | N.D.                   |
| Methyl isobutyl ketone | 0.20                    | N.D.                   |
| Methylene chloride     | 0.20                    | N.D.                   |
| iso-Octane             | 0.020                   | N.D.                   |
| iso-Propanol           | 1.0                     | N.D.                   |
| n-Propanol             | 1.0                     | N.D.                   |
| n-Propyl benzene       | 0.020                   | N.D.                   |
| Tetrachloroethylene    | 0.10                    | N.D.                   |
| Tetrahydrofuran        | 0.40                    | N.D.                   |
| 1,1,1-Trichloroethane  | 0.10                    | N.D.                   |
| Trichloroethylene      | 0.10                    | N.D.                   |
| Toluene                | 0.020                   | N.D.                   |
| m-Xylene               | 0.020                   | N.D.                   |
| o-Xylene               | 0.020                   | N.D.                   |
| p-Xylene               | 0.020                   | N.D.                   |

*[Handwritten signature]*  
Analytes reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

25



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: Method Blank  
Matrix: LIQUID  
Analysis Method: 8015Mod/8020  
Lab Number: 9503J63-11

Sampled:  
Received: 03/27/95  
  
Analyzed: 04/06/95  
Reported: 04/10/95

QC Batch Number: GC040695BTEX17A  
Instrument ID: GCHP17

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

| Analyte               | Detection Limit<br>ug/L | Sample Results<br>ug/L |
|-----------------------|-------------------------|------------------------|
| TPPH as Gas           | 50                      | N.D.                   |
| Benzene               | 0.50                    | N.D.                   |
| Toluene               | 0.50                    | N.D.                   |
| Ethyl Benzene         | 0.50                    | N.D.                   |
| Xylenes (Total)       | 0.50                    | N.D.                   |
| Chromatogram Pattern: |                         |                        |
| Surrogates            | Control Limits %        | % Recovery             |
| Trifluorotoluene      | 70 130                  | 90                     |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

26



Sequoia  
Analytical

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

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

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

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

COPY

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Lab Proj. ID: 9503J63

Received: 03/27/95  
Reported: 04/10/95

## LABORATORY NARRATIVE

Please Note:

O Q - Surrogate recovery was lost due to sample dilution.

Differences in recoveries of carbon tetrachloride, 1,2-dichloroethane, and tetrachloroethylene between the Halogenated Volatile Organics (EPA 8010) and Industrial Solvents (EPA 8015 Mod) in sample 9503J63-04 can be attributed to the possibility of a false positive recovery of these compounds in the Industrial Solvents analysis. In the case of sample 9503J63-04, the Industrial Solvents analysis recovered several peaks that were not seen by the Halogenated Volatile Organics analysis. (The Halogenated Volatile Organics analysis utilizes Purge and Trap extraction and ECD/PID detectors; the Industrial Solvents analysis use Headspace extraction and an FID detector). It is possible that the large number of peaks could have resulted in the false positive recovery of these compounds despite a second column confirmation.

There was also a lack of correlation between the recoveries of ethylbenzene, toluene, and o-xylene in the TPPH with BTEX (EPA 8015 Mod/8020) and the Industrial Solvents analyses of sample 9503J63-04. As with the Halogenated Volatile Organics, the Industrial Solvent scan recovered more peaks than the TPPH with BTEX analysis (the TPPH with BTEX utilizes Purge and Trap extraction and PID/FID detectors). As was mentioned above it is possible that the Industrial Solvent analysis produced some false positive results.

Samples 9503J63-01 through -04 were quantitated against a diesel standard (the default standard) since no fuel pattern was discernible in the Fuel Fingerprint analysis. These samples were quantitated in the C9 to C24 (diesel) range; however, the chromatogram patterns for all of the aforementioned samples extend past C36.

SEQUOIA ANALYTICAL

Eileen Manning  
Project Manager



Sequoia  
Analytical

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

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

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

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

COPY

Erler & Kalinowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
Matrix: LIQUID  
Sample Descrip: RMW-3  
Work Order #: 9503J63 -01, 02, 04, 09

Reported: Apr 11, 1995

## QUALITY CONTROL DATA REPORT

Analyte: Arsenic Lead

QC Batch#: ME0330957000MDA ME0330957000MDA  
Analy. Method: EPA 206.2 EPA 239.2  
Prep. Method: EPA 3020 EPA 3020

|                    |                |                |
|--------------------|----------------|----------------|
| Analyst:           | W. Thant       | S. B.          |
| MS/MSD #:          | 9503J63-01-MSD | 9503J63-01-MSD |
| Sample Conc.:      | N.D.           | N.D.           |
| Prepared Date:     | 03/30/95       | 03/30/95       |
| Analyzed Date:     | 04/04/95       | 04/04/95       |
| Instrument I.D. #: | MTJA3          | MTJA1          |
| Conc. Spiked:      | 0.050 mg/L     | 0.050 mg/L     |
| Result:            | 0.054          | 0.051          |
| MS % Recovery:     | 108            | 102            |
| Dup. Result:       | 0.055          | 0.048          |
| MSD % Recov.:      | 110            | 96             |
| RPD:               | 1.8            | 6.1            |
| RPD Limit:         | 0-30           | 0-30           |

LCS #:

Prepared Date:  
Analyzed Date:  
Instrument I.D. #:  
Conc. Spiked:

LCS Result:  
LCS % Recov.:

|                |        |
|----------------|--------|
| MS/MSD         | 75-125 |
| LCS            | 75-125 |
| Control Limits |        |

Please Note:

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

  
SEQUOIA ANALYTICAL

Eileen A. Manning  
Project Manager

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

9503J63.ERL <1>



**Sequoia  
Analytical**

|                                                                          |                                                                          |                                                    |                                                                |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|
| 680 Chesapeake Drive<br>404 N. Wiger Lane<br>819 Striker Avenue, Suite 8 | Redwood City, CA 94063<br>Walnut Creek, CA 94598<br>Sacramento, CA 95834 | (415) 364-9600<br>(510) 988-9600<br>(916) 921-9600 | FAX (415) 364-9233<br>FAX (510) 988-9673<br>FAX (916) 921-0100 |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|

Erler & Kalinowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Hofvey

Client Project ID: 940018.00, Sybase  
Matrix: LIQUID  
Sample Descrip: RMW-3  
Work Order #: 9503J63 -01, 02, 04, 09

Reported: Apr 11, 1995

### QUALITY CONTROL DATA REPORT

| Analyte:       | Beryllium       | Cadmium         | Chromium        | Nickel          |
|----------------|-----------------|-----------------|-----------------|-----------------|
| QC Batch#:     | ME0403956010MDA | ME0403956010MDA | ME0403956010MDA | ME0403956010MDA |
| Analy. Method: | EPA 6010        | EPA 6010        | EPA 6010        | EPA 6010        |
| Prep. Method:  | EPA 3010        | EPA 3010        | EPA 3010        | EPA 3010        |

|                    |                |                |                |                |
|--------------------|----------------|----------------|----------------|----------------|
| Analyst:           | S. O'Donnell   | S. O'Donnell   | S. O'Donnell   | S. O'Donnell   |
| MS/MSD #:          | 9503J63-01-MSD | 9503J63-01-MSD | 9503J63-01-MSD | 9503J63-01-MSD |
| Sample Conc.:      | N.D.           | N.D.           | N.D.           | N.D.           |
| Prepared Date:     | 04/03/95       | 04/03/95       | 04/03/95       | 04/03/95       |
| Analyzed Date:     | 04/03/95       | 04/03/95       | 04/03/95       | 04/03/95       |
| Instrument I.D. #: | MTJA2          | MTJA2          | MTJA2          | MTJA2          |
| Conc. Spiked:      | 1.0 mg/L       | 1.0 mg/L       | 1.0 mg/L       | 1.0 mg/L       |
| Result:            | 1.0            | 0.97           | 1.0            | 1.0            |
| MS % Recovery:     | 100            | 97             | 100            | 100            |
| Dup. Result:       | 1.0            | 0.95           | 0.98           | 1.0            |
| MSD % Recov.:      | 100            | 95             | 98             | 100            |
| RPD:               | 0.0            | 2.1            | 2.0            | 0.0            |
| RPD Limit:         | 0-30           | 0-30           | 0-30           | 0-30           |

LCS #:

Prepared Date:  
Analyzed Date:  
Instrument I.D. #:  
Conc. Spiked:

LCS Result:  
LCS % Recov.:

| MS/MSD             | 75-125 | 75-125 | 75-125 | 75-125 |
|--------------------|--------|--------|--------|--------|
| LCS Control Limits |        |        |        |        |

**SEQUOIA ANALYTICAL**

Eileen A. Manning  
Project Manager

Please Note:

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

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

9503J63.ERL <2>



Sequoia  
Analytical

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
Matrix: LIQUID  
Sample Descrip: MW-3  
Work Order #: 9503J63-01-04, 07

Reported: Apr 11, 1995

## QUALITY CONTROL DATA REPORT

|                |                     |                  |                 |
|----------------|---------------------|------------------|-----------------|
| Analyte:       | 1,1-Dichloro-ethene | Trichloro-ethene | Chloro-benzene  |
| QC Batch#:     | GC040195801008A     | GC040195801008A  | GC040195801008A |
| Analy. Method: | EPA 8010            | EPA 8010         | EPA 8010        |
| Prep. Method:  | EPA 5030            | EPA 5030         | EPA 5030        |

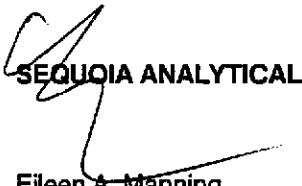
|                    |                |                |                |
|--------------------|----------------|----------------|----------------|
| Analyst:           | J. Miller      | J. Miller      | J. Miller      |
| MS/MSD #:          | 9503I76-02-MSD | 9503I76-02-MSD | 9503I76-02-MSD |
| Sample Conc.:      | N.D.           | N.D.           | N.D.           |
| Prepared Date:     | 04/01/95       | 04/01/95       | 04/01/95       |
| Analyzed Date:     | 04/01/95       | 04/01/95       | 04/01/95       |
| Instrument I.D. #: | GCHP8          | GCHP8          | GCHP8          |
| Conc. Spiked:      | 25 µg/L        | 25 µg/L        | 25 µg/L        |
| Result:            | 26             | 25             | 25             |
| MS % Recovery:     | 104            | 100            | 100            |
| Dup. Result:       | 27             | 27             | 26             |
| MSD % Recov.:      | 108            | 108            | 104            |
| RPD:               | 3.8            | 7.7            | 3.9            |
| RPD Limit:         | 0-50           | 0-50           | 0-50           |

LCS #:

Prepared Date:  
Analyzed Date:  
Instrument I.D. #:  
Conc. Spiked:

LCS Result:  
LCS % Recov.:

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

  
SEQUOIA ANALYTICAL

Eileen A. Manning  
Project Manager

Please Note:

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

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

9503J63.ERL <3>



**Sequoia  
Analytical**

|                                                                          |                                                                          |                                                    |                                                                |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|
| 680 Chesapeake Drive<br>404 N. Wiget Lane<br>819 Striker Avenue, Suite 8 | Redwood City, CA 94063<br>Walnut Creek, CA 94598<br>Sacramento, CA 95834 | (415) 364-9600<br>(510) 988-9600<br>(916) 921-9600 | FAX (415) 364-9233<br>FAX (510) 988-9673<br>FAX (916) 921-0100 |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|

Erler & Kalinowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
Matrix: LIQUID  
Sample Descrip: BLK  
Work Order #: 9503J63-01-02, 04, 06

Reported: Apr 11, 1995

## QUALITY CONTROL DATA REPORT

| Analyte:       | Naphthalene     | Acenaphthene    | Pyrene          |
|----------------|-----------------|-----------------|-----------------|
| QC Batch#:     | GC0329958100EXZ | GC0329958100EXZ | GC0329958100EXZ |
| Analy. Method: | EPA 8100        | EPA 8100        | EPA 8100        |
| Prep. Method:  | EPA 3520        | EPA 3520        | EPA 3520        |

|                    |               |               |               |
|--------------------|---------------|---------------|---------------|
| Analyst:           | L. Laikhtman  | L. Laikhtman  | L. Laikhtman  |
| MS/MSD #:          | BLK032995-BLK | BLK032995-BLK | BLK032995-BLK |
| Sample Conc.:      | N.D.          | N.D.          | N.D.          |
| Prepared Date:     | 03/29/95      | 03/29/95      | 03/29/95      |
| Analyzed Date:     | 03/31/95      | 03/31/95      | 03/31/95      |
| Instrument I.D. #: | GCHP11        | GCHP11        | GCHP11        |
| Conc. Spiked:      | 50 mg/L       | 50 mg/L       | 50 mg/L       |
| Result:            | 43            | 42            | 46            |
| MS % Recovery:     | 86            | 84            | 92            |
| Dup. Result:       | 42            | 41            | 46            |
| MSD % Recov.:      | 84            | 82            | 92            |
| RPD:               | 2.4           | 2.4           | 0.0           |
| RPD Limit:         | 0-50          | 0-50          | 0-50          |

LCS #:

Prepared Date:  
Analyzed Date:  
Instrument I.D. #:  
Conc. Spiked:  
  
LCS Result:  
LCS % Recov.:

| MS/MSD<br>LCS<br>Control Limits | DL-122 | DL-124 | DL-140 |
|---------------------------------|--------|--------|--------|
|---------------------------------|--------|--------|--------|

Please Note:

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

SEQUOIA ANALYTICAL  
Eileen A. Manning  
Project Manager

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

9503J63.ERL <4>



Sequoia  
Analytical

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
Matrix: LIQUID  
Sample Descrip: MW-4  
Work Order #: 9503J63-01-04, 08

Reported: Apr 11, 1995

## QUALITY CONTROL DATA REPORT

Analyte: Diesel

QC Batch#: GC0329950HBPEXZ

Analy. Method: EPA 8015M

Prep. Method: EPA 3520

Analyst: B. Ali

MS/MSD #: 9503I76-01-MSD

Sample Conc.: 190

Prepared Date: 03/29/95

Analyzed Date: 04/01/95

Instrument I.D.#: GCHP5A

Conc. Spiked: 600 µg/L

Result: 620

MS % Recovery: 72

Dup. Result: 550

MSD % Recov.: 60

RPD: 12

RPD Limit: 0-50

LCS #:

Prepared Date:

Analyzed Date:

Instrument I.D.#:

Conc. Spiked:

LCS Result:

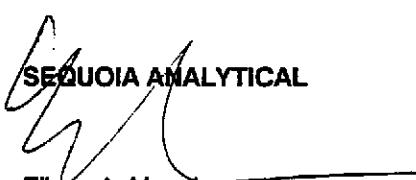
LCS % Recov.:

MS/MSD

LCS

38-122

Control Limits

  
SEQUOIA ANALYTICAL

Eileen A. Manning  
Project Manager

Please Note:

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

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

9503J63.ERL <5>



**Sequoia  
Analytical**

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
Matrix: LIQUID  
Sample Descrip: MW-4  
Work Order #: 9503J63-01, 02, 04, 10

Reported: Apr 11, 1995

## QUALITY CONTROL DATA REPORT

| Analyte:       | Acetone         | MIBK            | Tetra<br>Hydrofuran | 1,1,1-TCA       | TCE             |
|----------------|-----------------|-----------------|---------------------|-----------------|-----------------|
| QC Batch#:     | GC040495ISHSHSA | GC040495ISHSHSA | GC040495ISHSHSA     | GC040495ISHSHSA | GC040495ISHSHSA |
| Analy. Method: | ISHS            | ISHS            | ISHS                | ISHS            | ISHS            |
| Prep. Method:  | HS              | HS              | HS                  | HS              | HS              |

|                    |            |            |            |            |            |
|--------------------|------------|------------|------------|------------|------------|
| Analyst:           | T. Tran    |
| MS/MSD #:          | 9503I76-01 | 9503I76-01 | 9503I76-01 | 9503I76-01 | 9503I76-01 |
| Sample Conc.:      | N.D.       | N.D.       | N.D.       | N.D.       | N.D.       |
| Prepared Date:     | 04/04/95   | 04/04/95   | 04/04/95   | 04/04/95   | 04/04/95   |
| Analyzed Date:     | 04/04/95   | 04/04/95   | 04/04/95   | 04/04/95   | 04/04/95   |
| Instrument I.D. #: | GCV1       | GCV1       | GCV1       | GCV1       | GCV1       |
| Conc. Spiked:      | 4.0 mg/L   | 1.0 mg/L   | 2.0 mg/L   | 1.0 mg/L   | 1.0 mg/L   |
| Result:            | 3.7        | 0.82       | 1.9        | 0.86       | 0.87       |
| MS % Recovery:     | 93         | 82         | 95         | 86         | 87         |
| Dup. Result:       | 3.9        | 0.90       | 2.0        | 0.98       | 0.99       |
| MSD % Recov.:      | 98         | 90         | 100        | 98         | 99         |
| RPD:               | 5.3        | 9.3        | 5.1        | 13         | 13         |
| RPD Limit:         | 0-50       | 0-50       | 0-50       | 0-50       | 0-50       |

LCS #:

Prepared Date:  
Analyzed Date:  
Instrument I.D. #:  
Conc. Spiked:

LCS Result:  
LCS % Recov.:

| MS/MSD<br>LCS<br>Control Limits | 50-150 | 50-150 | 50-150 | 50-150 | 50-150 |
|---------------------------------|--------|--------|--------|--------|--------|
|                                 |        |        |        |        |        |

**SEQUOIA ANALYTICAL**

Eileen A. Manning  
Project Manager

Please Note:

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



Sequoia  
Analytical

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erter & Kalinowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
Matrix: LIQUID  
Sample Descrip: MW-4  
Work Order #: 9503J63-01, 02, 04, 10

Reported: Apr 11, 1995

## QUALITY CONTROL DATA REPORT

Analyte: p-Xylene

QC Batch#: GC040495ISHSHSA  
Analy. Method: ISHS  
Prep. Method: HS

Analyst: T. Tran  
MS/MSD #: 9503J76-01-MSD  
Sample Conc.: N.D.  
Prepared Date: 04/04/95  
Analyzed Date: 04/04/95  
Instrument I.D.#: GCV1  
Conc. Spiked: 0.20 mg/L

Result: 0.16  
MS % Recovery: 80

Dup. Result: 0.18  
MSD % Recov.: 90

RPD: 12  
RPD Limit: 0-50

LCS #:

Prepared Date:  
Analyzed Date:  
Instrument I.D.#:  
Conc. Spiked:

LCS Result:  
LCS % Recov.:

MS/MSD  
LCS      50-150  
Control Limits

SEQUOIA ANALYTICAL

Eileen A. Manning  
Project Manager

Please Note:

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

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

9503J63.ERL <7>



**Sequoia  
Analytical**

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
Matrix: LIQUID  
Sample Descrip: XSD  
Work Order #: 9503J63-01-05, 11

Reported: Apr 11, 1995

## QUALITY CONTROL DATA REPORT

| Analyte:      | Benzene         | Toluene         | Ethyl Benzene   | Xylenes         |
|---------------|-----------------|-----------------|-----------------|-----------------|
| QC Batch#:    | GC040695BTEX17A | GC040695BTEX17A | GC040695BTEX17A | GC040695BTEX17A |
| Anal. Method: | EPA 8020        | EPA 8020        | EPA 8020        | EPA 8020        |
| Prep. Method: | EPA 5030        | EPA 5030        | EPA 5030        | EPA 5030        |

|                    |                 |                 |                |                 |
|--------------------|-----------------|-----------------|----------------|-----------------|
| Analyst:           | J. Minkel       | J. Minkel       | J. Minkel      | J. Minkel       |
| MS/MSD #:          | G9503N55-10-XSD | G9503N55-10-XSD | 9503N55-10-XSD | G9503N55-10-XSD |
| Sample Conc.:      | N.D.            | N.D.            | N.D.           | N.D.            |
| Prepared Date:     | 04/06/95        | 04/06/95        | 04/06/95       | 04/06/95        |
| Analyzed Date:     | 04/06/95        | 04/06/95        | 04/06/95       | 04/06/95        |
| Instrument I.D. #: | GCHP17          | GCHP17          | GCHP17         | GCHP17          |
| Conc. Spiked:      | 10 µg/L         | 10 µg/L         | 10 µg/L        | 30 µg/L         |
| Result:            | 11              | 11              | 11             | 34              |
| MS % Recovery:     | 110             | 110             | 110            | 113             |
| Dup. Result:       | 10              | 10              | 10             | 30              |
| MSD % Recov.:      | 100             | 100             | 100            | 100             |
| RPD:               | 9.5             | 9.5             | 9.5            | 13              |
| RPD Limit:         | 0-50            | 0-50            | 0-50           | 0-50            |

LCS #:

Prepared Date:  
Analyzed Date:  
Instrument I.D. #:  
Conc. Spiked:

LCS Result:  
LCS % Recov.:

| MS/MSD<br>LCS<br>Control Limits | 71-133 | 72-128 | 72-130 | 71-120 |
|---------------------------------|--------|--------|--------|--------|
|                                 |        |        |        |        |

*[Signature]*  
**SEQUOIA ANALYTICAL**  
Eileen A. Manning  
Project Manager

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

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

9503J63.ERL <8>

## CHAIN OF CUSTODY / SAMPLE ANALYSIS REQUEST

9503563

page 1/2

Erler &amp; Kallinowski, Inc.

Project Number: 940018.00

Project Name: Sybase

Source of Samples: monitoring well

Location: 64<sup>th</sup> + 65<sup>th</sup> Property, Emeryville

Analytical Laboratory: Sequoia Analytical

Date Sampled: 27 March 1995

Sampled By: Gail Clark

Report Results To: Paul Hoffer

Phone Number: 415) 578-1172

| Lab Sample ID | Field Sample ID | Field Sample Type | Number and Type of Containers | Time Collected | Analyses Requested (EPA Method Number)              | Results Required By (Date/Time) |
|---------------|-----------------|-------------------|-------------------------------|----------------|-----------------------------------------------------|---------------------------------|
| 1             | RMW-3           | water             | 3- amber liters               | 11:25          | PNA - 8100, and TEPH-fuel fingerprint (8015)        | Standard                        |
|               | RMW-3           | water             | 2 voas w/ HCl                 | 11:25          | TPPH w/ BTEX (8015-8020 mod)                        | turn-                           |
|               | RMW-3           | water             | 4 voas                        | 11:25          | VOCS - 8010, and Industrial Solvent Scan (8015 mod) | around                          |
| ↓             | RMW-3           | water             | 1 plastic liter               | 11:25          | ICP metal (As, Pb, Cr)                              | time                            |
| 2             | MW-6            | water             | 3- amber liters               | 2:10           | PNA - 8100, and TEPH-fuel fingerprint (8015)        |                                 |
|               | MW-6            | water             | 2 voas w/ HCl                 | 2:10           | TPPH w/ BTEX (8015-8020 mod)                        |                                 |
|               | MW-6            | water             | 4 voas                        | 2:10           | VOCS - 8010, and Industrial Solvent Scan (8015 mod) |                                 |
| ↓             | MW-6            | water             | 1 plastic liter               | 2:10           | ICP Metals, (As, Pb, Cr)                            |                                 |
| 3             | M-6DOP          | water             | 1 amber liter                 | 2:10           | TEPH-fuel fingerprint (8015)                        |                                 |
| ↓             | M-6DOP          | water             | 2 voas w/ HCl                 |                | TPPH w/ BTEX (8015-8020 mod)                        | ↓                               |

## Special Instructions:

→ Please note that all samples had some visible product/and/or odor.

JPC

## Relinquished By:

Name / Signature / Affiliation

## Received By:

Name / Signature / Affiliation

Gail L. Clark / Gail L Clark

/EKI

3-27-95

17130

3/27

1730

Cruisen / na.

3/27/95  
S271107 9am

9503563

page 2/2

**CHAIN OF CUSTODY / SAMPLE ANALYSIS REQUEST**

Erler & Kalinowski, Inc.

Project Number: 940018.00

Project Name: Sybase

Source of Samples: wells

Location: 84<sup>th</sup> + 65<sup>th</sup> Street Property, Emeryville

## Analytical Laboratory: Sequoia Analytical

Date Sampled: 27 March 1995

Sampled By: G.L. Clark

Report Results To: Paul Hoffey

Phone Number: 415) 578-1172

**Special Instructions:**

**Special Instructions:**  
→ Please note that all samples had some visible product and/or odor.

Relinquished By:

Name / Signature / Affiliation

Date

## Time

Received By:

Name / Signature / Affiliation

Gail L. Clark / Gail L. Clark / EKI 3-27-95 17:30



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

# COPY

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Client Proj. ID: 940018.00, Sybase  
Lab Proj. ID: 9503L73

Sampled: 03/28/95  
Received: 03/28/95  
Analyzed: see below

Attention: Paul Hoffey

Reported: 04/10/95

## LABORATORY ANALYSIS

| Analyte       | Units         | Date Analyzed | Detection Limit | Sample Results |
|---------------|---------------|---------------|-----------------|----------------|
| Lab No:       | 9503L73-01    |               |                 |                |
| Sample Desc : | LIQUID, TMW-1 |               |                 |                |
| Arsenic       | mg/L          | 04/04/95      | 0.0050          | N.D.           |
| Chromium      | mg/L          | 04/04/95      | 0.010           | N.D.           |
| Lead          | mg/L          | 04/04/95      | 0.0050          | N.D.           |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager



Sequoia  
Analytical

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

**Erler & Kalinowski, Inc.**  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Client Proj. ID: 940018.00, Sybase  
Lab Proj. ID: 9503L73

Sampled:  
Received: 03/28/95  
Analyzed: see below

**Attention:** Paul Hoffey

Reported: 04/10/95

## **LABORATORY ANALYSIS**

| Analyte       | Units               | Date Analyzed | Detection Limit | Sample Results |
|---------------|---------------------|---------------|-----------------|----------------|
| Lab No:       | 9503L73-02          |               |                 |                |
| Sample Desc : | LIQUID,Method Blank |               |                 |                |
| Arsenic       | mg/L                | 04/07/95      | 0.0050          | N.D.           |
| Chromium      | mg/L                | 04/04/95      | 0.010           | N.D.           |
| Lead          | mg/L                | 04/07/95      | 0.0050          | N.D.           |

Lab No: 9503L73-02  
Sample Desc : LIQUID,Method Blank

|          |      |          |        |      |
|----------|------|----------|--------|------|
| Arsenic  | mg/L | 04/07/95 | 0.0050 | N.D. |
| Chromium | mg/L | 04/04/95 | 0.010  | N.D. |
| Lead     | mg/L | 04/07/95 | 0.0050 | N.D. |

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

**SEQUOIA ANALYTICAL** - ELAP #1210

**Eileen Manning  
Project Manager**



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: TMW-1  
Matrix: LIQUID  
Analysis Method: EPA 8100  
Lab Number: 9503L73-01

Sampled: 03/28/95  
Received: 03/28/95  
Extracted: 04/03/95  
Analyzed: 04/04/95  
Reported: 04/10/95

QC Batch Number: GC0403958100EXZ  
Instrument ID: GCHP11

### Polynuclear Aromatic Hydrocarbons (EPA 8100)

| Analyte                | Detection Limit<br>ug/L | Sample Results<br>ug/L |
|------------------------|-------------------------|------------------------|
| Acenaphthene           | 5.0                     | N.D.                   |
| Acenaphthylene         | 5.0                     | N.D.                   |
| Anthracene             | 5.0                     | N.D.                   |
| Benzo(a)anthracene     | 5.0                     | N.D.                   |
| Benzo(a)pyrene         | 5.0                     | N.D.                   |
| Benzo(b)fluoranthene   | 5.0                     | N.D.                   |
| Benzo(g,h,i)perylene   | 5.0                     | N.D.                   |
| Benzo(k)fluoranthene   | 5.0                     | N.D.                   |
| Chrysene               | 5.0                     | N.D.                   |
| Dibenzo(a,h)anthracene | 5.0                     | N.D.                   |
| Fluoranthene           | 5.0                     | N.D.                   |
| Fluorene               | 5.0                     | N.D.                   |
| Indeno(1,2,3-cd)pyrene | 5.0                     | N.D.                   |
| Naphthalene            | 5.0                     | N.D.                   |
| Phenanthrene           | 5.0                     | N.D.                   |
| Pyrene                 | 5.0                     | N.D.                   |
| Surrogates             |                         | Control Limits %       |
| 2-Fluorobiphenyl       | 50                      | 150                    |
|                        |                         | % Recovery             |
|                        |                         | 84                     |

*[Handwritten signature]*  
Analytes reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

3





**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wlget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: TMW-1  
Matrix: LIQUID  
Analysis Method: EPA 8015 Mod  
Lab Number: 9503L73-01

Sampled: 03/28/95  
Received: 03/28/95  
Extracted: 04/04/95  
Analyzed: 04/08/95  
Reported: 04/10/95

QC Batch Number: GC0404950HBPEXY  
Instrument ID: GCHP5A

### Fuel Fingerprint

| Analyte                                                              | Detection Limit<br>ug/L    | Sample Results<br>ug/L |
|----------------------------------------------------------------------|----------------------------|------------------------|
| Extractable Hydrocarbons<br>Chromatogram Pattern:<br>Unidentified HC | ..... 50                   | ..... 330              |
| Surrogates<br>n-Pentacosane (C25)                                    | Control Limits %<br>50 150 | % Recovery<br>100      |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page: 4



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Client Proj. ID: 940018.00, Sybase  
Sample Descript: TMW-1  
Matrix: LIQUID  
Analysis Method: 8015Mod/8020  
Lab Number: 9503L73-01

Sampled: 03/28/95  
Received: 03/28/95  
Analyzed: 04/03/95  
Reported: 04/10/95

QC Batch Number: GC040395BTEX17A  
Instrument ID: GCHP17

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

| Analyte               | Detection Limit<br>ug/L | Sample Results<br>ug/L |
|-----------------------|-------------------------|------------------------|
| TPPH as Gas           | 50                      | 100                    |
| Benzene               | 0.50                    | 4.8                    |
| Toluene               | 0.50                    | N.D.                   |
| Ethyl Benzene         | 0.50                    | 1.8                    |
| Xylenes (Total)       | 0.50                    | 3.2                    |
| Chromatogram Pattern: |                         | Gas                    |
| Surrogates            |                         |                        |
| Trifluorotoluene      | Control Limits %        | % Recovery             |
|                       | 70                      | 130                    |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: TMW-1  
Matrix: LIQUID  
Analysis Method: EPA 8010  
Lab Number: 9503L73-01

Sampled: 03/28/95  
Received: 03/28/95  
Analyzed: 04/08/95  
Reported: 04/10/95

QC Batch Number: GC040695801008A  
Instrument ID: GCHP8

### Halogenated Volatile Organics (EPA 8010)

| Analyte                   | Detection Limit<br>ug/L | Sample Results<br>ug/L |
|---------------------------|-------------------------|------------------------|
| Bromodichloromethane      | 0.50                    | N.D.                   |
| Bromoform                 | 0.50                    | N.D.                   |
| Bromomethane              | 1.0                     | N.D.                   |
| Carbon Tetrachloride      | 0.50                    | N.D.                   |
| Chlorobenzene             | 0.50                    | N.D.                   |
| Chloroethane              | 1.0                     | N.D.                   |
| 2-Chloroethylvinyl ether  | 1.0                     | N.D.                   |
| Chloroform                | 0.50                    | N.D.                   |
| Chloromethane             | 1.0                     | N.D.                   |
| Dibromochloromethane      | 0.50                    | N.D.                   |
| 1,2-Dichlorobenzene       | 0.50                    | N.D.                   |
| 1,3-Dichlorobenzene       | 0.50                    | N.D.                   |
| 1,4-Dichlorobenzene       | 0.50                    | N.D.                   |
| 1,1-Dichloroethane        | 0.50                    | N.D.                   |
| 1,2-Dichloroethane        | 0.50                    | N.D.                   |
| 1,1-Dichloroethene        | 0.50                    | N.D.                   |
| cis-1,2-Dichloroethene    | 0.50                    | N.D.                   |
| trans-1,2-Dichloroethene  | 0.50                    | N.D.                   |
| 1,2-Dichloropropane       | 0.50                    | N.D.                   |
| cis-1,3-Dichloropropene   | 0.50                    | N.D.                   |
| trans-1,3-Dichloropropene | 0.50                    | N.D.                   |
| Methylene chloride        | 5.0                     | N.D.                   |
| 1,1,2,2-Tetrachloroethane | 0.50                    | N.D.                   |
| Tetrachloroethene         | 0.50                    | N.D.                   |
| 1,1,1-Trichloroethane     | 0.50                    | N.D.                   |
| 1,1,2-Trichloroethane     | 0.50                    | N.D.                   |
| Trichloroethene           | 0.50                    | 2.3                    |
| Trichlorofluoromethane    | 0.50                    | N.D.                   |
| Vinyl chloride            | 1.0                     | N.D.                   |
| Freon 113                 | 1.0                     | N.D.                   |

| Surrogates               | Control Limits % | % Recovery |
|--------------------------|------------------|------------|
| 1-Chloro-2-fluorobenzene | 70 130           | 82         |

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

**SEQUOIA/ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page: 6



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: TMW-1  
Matrix: LIQUID  
Analysis Method: EPA 8015 Mod  
Lab Number: 9503L73-01

Sampled: 03/28/95  
Received: 03/28/95  
Analyzed: 04/05/95  
Reported: 04/10/95

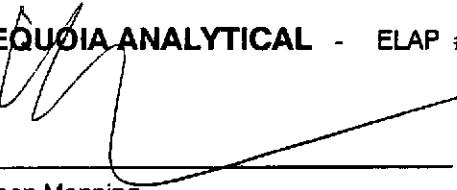
QC Batch Number: GC040495ISHSHSA  
Instrument ID: GCV1

### Industrial Solvents

| Analyte                | Detection Limit<br>mg/L | Sample Results<br>mg/L |
|------------------------|-------------------------|------------------------|
| Acetone                | 0.40                    | N.D.                   |
| Acetonitrile           | 1.0                     | N.D.                   |
| Benzene                | 0.020                   | N.D.                   |
| Iso-Butanol            | 1.0                     | N.D.                   |
| n-Butanol              | 1.0                     | N.D.                   |
| sec-Butanol            | 1.0                     | N.D.                   |
| t-Butanol              | 0.50                    | N.D.                   |
| Carbon tetrachloride   | 0.20                    | N.D.                   |
| Chloroform             | 0.20                    | N.D.                   |
| Cyclohexane            | 0.040                   | N.D.                   |
| 1,2-Dichloroethane     | 0.20                    | N.D.                   |
| t-1,2-Dichloroethene   | 0.10                    | N.D.                   |
| Ethanol                | 1.0                     | N.D.                   |
| Ethyl acetate          | 0.20                    | N.D.                   |
| Ethyl benzene          | 0.020                   | N.D.                   |
| Ethyl ether            | 0.020                   | N.D.                   |
| Freon 113              | 0.20                    | N.D.                   |
| Hexane                 | 0.10                    | N.D.                   |
| Methanol               | 1.0                     | N.D.                   |
| Methyl ethyl ketone    | 0.20                    | N.D.                   |
| Methyl isobutyl ketone | 0.20                    | N.D.                   |
| Methylene chloride     | 0.20                    | N.D.                   |
| Iso-Octane             | 0.020                   | N.D.                   |
| Iso-Propanol           | 1.0                     | N.D.                   |
| n-Propanol             | 1.0                     | N.D.                   |
| n-Propyl benzene       | 0.020                   | N.D.                   |
| Tetrachloroethylene    | 0.10                    | N.D.                   |
| Tetrahydrofuran        | 0.40                    | N.D.                   |
| 1,1,1-Trichloroethane  | 0.10                    | N.D.                   |
| Trichloroethylene      | 0.10                    | N.D.                   |
| Toluene                | 0.020                   | N.D.                   |
| m-Xylene               | 0.020                   | N.D.                   |
| o-Xylene               | 0.020                   | N.D.                   |
| p-Xylene               | 0.020                   | N.D.                   |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

  
Eileen Manning  
Project Manager



**Sequoia  
Analytical**

|                                                                          |                                                                          |                                                    |                                                                |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|
| 680 Chesapeake Drive<br>404 N. Wiget Lane<br>819 Striker Avenue, Suite 8 | Redwood City, CA 94063<br>Walnut Creek, CA 94598<br>Sacramento, CA 95834 | (415) 364-9600<br>(510) 988-9600<br>(916) 921-9600 | FAX (415) 364-9233<br>FAX (510) 988-9673<br>FAX (916) 921-0100 |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: Method Blank  
Matrix: LIQUID  
Analysis Method: EPA 8015 Mod  
Lab Number: 9503L73-02

Sampled:  
Received: 03/28/95  
  
Analyzed: 04/04/95  
Reported: 04/10/95

QC Batch Number: GC040495ISHSHSA  
Instrument ID: GCV1

### Industrial Solvents

| Analyte                | Detection Limit<br>mg/L | Sample Results<br>mg/L |
|------------------------|-------------------------|------------------------|
| Acetone                | 0.40                    | N.D.                   |
| Acetonitrile           | 1.0                     | N.D.                   |
| Benzene                | 0.020                   | N.D.                   |
| iso-Butanol            | 1.0                     | N.D.                   |
| n-Butanol              | 1.0                     | N.D.                   |
| sec-Butanol            | 1.0                     | N.D.                   |
| t-Butanol              | 0.50                    | N.D.                   |
| Carbon tetrachloride   | 0.20                    | N.D.                   |
| Chloroform             | 0.20                    | N.D.                   |
| Cyclohexane            | 0.040                   | N.D.                   |
| 1,2-Dichloroethane     | 0.20                    | N.D.                   |
| t,1,2-Dichloroethene   | 0.10                    | N.D.                   |
| Ethanol                | 1.0                     | N.D.                   |
| Ethyl acetate          | 0.20                    | N.D.                   |
| Ethyl benzene          | 0.020                   | N.D.                   |
| Ethyl ether            | 0.020                   | N.D.                   |
| Freon 113              | 0.20                    | N.D.                   |
| Hexane                 | 0.10                    | N.D.                   |
| Methanol               | 1.0                     | N.D.                   |
| Methyl ethyl ketone    | 0.20                    | N.D.                   |
| Methyl isobutyl ketone | 0.20                    | N.D.                   |
| Methylene chloride     | 0.20                    | N.D.                   |
| iso-Octane             | 0.020                   | N.D.                   |
| iso-Propanol           | 1.0                     | N.D.                   |
| n-Propanol             | 1.0                     | N.D.                   |
| n-Propyl benzene       | 0.020                   | N.D.                   |
| Tetrachloroethylene    | 0.10                    | N.D.                   |
| Tetrahydrofuran        | 0.40                    | N.D.                   |
| 1,1,1-Trichloroethane  | 0.10                    | N.D.                   |
| Trichloroethylene      | 0.10                    | N.D.                   |
| Toluene                | 0.020                   | N.D.                   |
| m-Xylene               | 0.020                   | N.D.                   |
| o-Xylene               | 0.020                   | N.D.                   |
| p-Xylene               | 0.020                   | N.D.                   |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page: 8



**Sequoia  
Analytical**

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: Method Blank  
Matrix: LIQUID  
Analysis Method: EPA 8010  
Lab Number: 9503L73-02

Sampled:  
Received: 03/28/95  
Analyzed: 04/07/95  
Reported: 04/10/95

QC Batch Number: GC040695801008A  
Instrument ID: GCHP8

### Halogenated Volatile Organics (EPA 8010)

| Analyte                   | Detection Limit<br>ug/L    | Sample Results<br>ug/L |
|---------------------------|----------------------------|------------------------|
| Bromodichloromethane      | 0.50                       | N.D.                   |
| Bromoform                 | 0.50                       | N.D.                   |
| Bromomethane              | 1.0                        | N.D.                   |
| Carbon Tetrachloride      | 0.50                       | N.D.                   |
| Chlorobenzene             | 0.50                       | N.D.                   |
| Chloroethane              | 1.0                        | N.D.                   |
| 2-Chloroethylvinyl ether  | 1.0                        | N.D.                   |
| Chloroform                | 0.50                       | N.D.                   |
| Chloromethane             | 1.0                        | N.D.                   |
| Dibromochloromethane      | 0.50                       | N.D.                   |
| 1,2-Dichlorobenzene       | 0.50                       | N.D.                   |
| 1,3-Dichlorobenzene       | 0.50                       | N.D.                   |
| 1,4-Dichlorobenzene       | 0.50                       | N.D.                   |
| 1,1-Dichloroethane        | 0.50                       | N.D.                   |
| 1,2-Dichloroethane        | 0.50                       | N.D.                   |
| 1,1-Dichloroethene        | 0.50                       | N.D.                   |
| cis-1,2-Dichloroethene    | 0.50                       | N.D.                   |
| trans-1,2-Dichloroethene  | 0.50                       | N.D.                   |
| 1,2-Dichloropropane       | 0.50                       | N.D.                   |
| cis-1,3-Dichloropropene   | 0.50                       | N.D.                   |
| trans-1,3-Dichloropropene | 0.50                       | N.D.                   |
| Methylene chloride        | 5.0                        | N.D.                   |
| 1,1,2,2-Tetrachloroethane | 0.50                       | N.D.                   |
| Tetrachloroethene         | 0.50                       | N.D.                   |
| 1,1,1-Trichloroethane     | 0.50                       | N.D.                   |
| 1,1,2-Trichloroethane     | 0.50                       | N.D.                   |
| Trichloroethene           | 0.50                       | N.D.                   |
| Trichlorofluoromethane    | 0.50                       | N.D.                   |
| Vinyl chloride            | 1.0                        | N.D.                   |
| Freon 113                 | 1.0                        | N.D.                   |
| Surrogates                |                            |                        |
| 1-Chloro-2-fluorobenzene  | Control Limits %<br>70 130 | % Recovery<br>80       |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

9



**Sequoia  
Analytical**

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffer

Client Proj. ID: 940018.00, Sybase  
Sample Descript: Method Blank  
Matrix: LIQUID  
Analysis Method: 8015Mod/8020  
Lab Number: 9503L73-02

Sampled:  
Received: 03/28/95  
  
Analyzed: 04/03/95  
Reported: 04/10/95

QC Batch Number: GC040395BTEX17A  
Instrument ID: GCHP17

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

| Analyte               | Detection Limit<br>ug/L | Sample Results<br>ug/L |
|-----------------------|-------------------------|------------------------|
| TPPH as Gas           | 50                      | N.D.                   |
| Benzene               | 0.50                    | N.D.                   |
| Toluene               | 0.50                    | N.D.                   |
| Ethyl Benzene         | 0.50                    | N.D.                   |
| Xylenes (Total)       | 0.50                    | N.D.                   |
| Chromatogram Pattern: |                         |                        |

| Surrogates       | Control Limits % | % Recovery |
|------------------|------------------|------------|
| Trifluorotoluene | 70 130           | 111        |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

10



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402

Attention: Paul Hoffey

QC Batch Number: GC0404950HBPEXY  
Instrument ID: GCHP5A

Client Proj. ID: 940018.00, Sybase  
Sample Descript: Method Blank  
Matrix: LIQUID  
Analysis Method: EPA 8015 Mod  
Lab Number: 9503L73-02

Sampled:  
Received: 03/28/95  
Extracted: 04/04/95  
Analyzed: 04/08/95  
Reported: 04/10/95

### Fuel Fingerprint

| Analyte                                           | Detection Limit<br>ug/L | Sample Results<br>ug/L |
|---------------------------------------------------|-------------------------|------------------------|
| Extractable Hydrocarbons<br>Chromatogram Pattern: | 50                      | N.D.                   |
| Surrogates<br>n-Pentacosane (C25)                 | 50      150             | % Recovery<br>95       |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page: 11



**Sequoia  
Analytical.**

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Sample Descript: Method Blank  
Matrix: LIQUID  
Analysis Method: EPA 8100  
Lab Number: 9503L73-02

Sampled:  
Received: 03/28/95  
Extracted: 04/03/95  
Analyzed: 04/04/95  
Reported: 04/10/95

QC Batch Number: GC0403958100EXZ  
Instrument ID: GCHP11

### Polynuclear Aromatic Hydrocarbons (EPA 8100)

| Analyte                | Detection Limit<br>ug/L | Sample Results<br>ug/L |
|------------------------|-------------------------|------------------------|
| Acenaphthene           | 5.0                     | N.D.                   |
| Acenaphthylene         | 5.0                     | N.D.                   |
| Anthracene             | 5.0                     | N.D.                   |
| Benzo(a)anthracene     | 5.0                     | N.D.                   |
| Benzo(a)pyrene         | 5.0                     | N.D.                   |
| Benzo(b)fluoranthene   | 5.0                     | N.D.                   |
| Benzo(g,h,i)perylene   | 5.0                     | N.D.                   |
| Benzo(k)fluoranthene   | 5.0                     | N.D.                   |
| Chrysene               | 5.0                     | N.D.                   |
| Dibenzo(a,h)anthracene | 5.0                     | N.D.                   |
| Fluoranthene           | 5.0                     | N.D.                   |
| Fluorene               | 5.0                     | N.D.                   |
| Indeno(1,2,3-cd)pyrene | 5.0                     | N.D.                   |
| Naphthalene            | 5.0                     | N.D.                   |
| Phenanthrene           | 5.0                     | N.D.                   |
| Pyrene                 | 5.0                     | N.D.                   |

| Surrogates       | Control Limits % | % Recovery |
|------------------|------------------|------------|
| 2-Fluorobiphenyl | 50 150           | 72         |

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Eileen Manning  
Project Manager

Page:

12



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 South Amphlett, Ste 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Proj. ID: 940018.00, Sybase  
Lab Proj. ID: 9503L73

Received: 03/28/95  
Reported: 04/10/95

## LABORATORY NARRATIVE

### Please Note:

Sample 9503L73-01 was quantitated against a diesel standard (the default standard) since no fuel pattern was discernible in the Fuel Fingerprint analysis. These samples were quantitated in the C9 to C24 (diesel) range; however, the chromatogram pattern for the aforementioned sample extend past C36.

  
**SEQUOIA ANALYTICAL**

Eileen Manning  
Project Manager

Page: 1





**Sequoia  
Analytical**

|                                                                          |                                                                          |                                                    |                                                                |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|
| 680 Chesapeake Drive<br>404 N. Wiget Lane<br>819 Striker Avenue, Suite 8 | Redwood City, CA 94063<br>Walnut Creek, CA 94598<br>Sacramento, CA 95834 | (415) 364-9600<br>(510) 988-9600<br>(916) 921-9600 | FAX (415) 364-9233<br>FAX (510) 988-9673<br>FAX (916) 921-0100 |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|

Erler & Kalinowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
Matrix: LIQUID  
Sample Descrip: TMW-1  
Work Order #: 9503L73 -01

Reported: Apr 13, 1995

### QUALITY CONTROL DATA REPORT

| Analyte:       | Beryllium       | Cadmium         | Chromium        | Nickel          |
|----------------|-----------------|-----------------|-----------------|-----------------|
| QC Batch#:     | ME0404956010MDA | ME0404956010MDA | ME0404956010MDA | ME0404956010MDA |
| Analy. Method: | EPA 6010        | EPA 6010        | EPA 6010        | EPA 6010        |
| Prep. Method:  | EPA 3010        | EPA 3010        | EPA 3010        | EPA 3010        |

|                    |                |                |                |                |
|--------------------|----------------|----------------|----------------|----------------|
| Analyst:           | S. O'Donnell   | S. O'Donnell   | S. O'Donnell   | S. O'Donnell   |
| MS/MSD #:          | 9503L73-01-MSD | 9503L73-01-MSD | 9503L73-01-MSD | 9503L73-01-MSD |
| Sample Conc.:      | N.D.           | N.D.           | N.D.           | N.D.           |
| Prepared Date:     | 04/04/95       | 04/04/95       | 04/04/95       | 04/04/95       |
| Analyzed Date:     | 04/04/95       | 04/04/95       | 04/04/95       | 04/04/95       |
| Instrument I.D. #: | MTJA2          | MTJA2          | MTJA2          | MTJA2          |
| Conc. Spiked:      | 1.0 mg/L       | 1.0 mg/L       | 1.0 mg/L       | 1.0 mg/L       |
| Result:            | 0.99           | 0.97           | 0.96           | 0.97           |
| MS % Recovery:     | 99             | 97             | 96             | 97             |
| Dup. Result:       | 1.0            | 0.98           | 0.99           | 0.98           |
| MSD % Recov.:      | 100            | 98             | 99             | 98             |
| RPD:               | 1.0            | 1.0            | 3.1            | 1.0            |
| RPD Limit:         | 0-30           | 0-30           | 0-30           | 0-30           |

LCS #:

Prepared Date:  
Analyzed Date:  
Instrument I.D. #:  
Conc. Spiked:

LCS Result:  
LCS % Recov.:

| MS/MSD         | 75-125 | 75-125 | 75-125 | 75-125 |
|----------------|--------|--------|--------|--------|
| LCS            |        |        |        |        |
| Control Limits |        |        |        |        |

Please Note:

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

**SEQUOIA ANALYTICAL**

Eileen A. Manning  
Project Manager

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

9503L73.ERL <1>



Sequoia  
Analytical

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Eler & Kalinowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
Matrix: LIQUID  
Sample Descrip: TMW-1  
Work Order #: 9503L73-01-02

Reported: Apr 13, 1995

## QUALITY CONTROL DATA REPORT

| Analyte:       | Arsenic         | Lead            |
|----------------|-----------------|-----------------|
| QC Batch#:     | ME0404957000MDA | ME0404957000MDA |
| Analy. Method: | EPA 206.2       | EPA 239.2       |
| Prep. Method:  | EPA 3020        | EPA 3020        |

Analyst: W. Thant L. Zhu  
MS/MSD #: 9503L73-01-MSD 9503L73-01-MSD  
Sample Conc.: N.D. N.D.  
Prepared Date: 04/04/95 04/04/95  
Analyzed Date: 04/04/95 04/04/95  
Instrument I.D. #: MTJA3 MTJA3  
Conc. Spiked: 0.050 mg/L 0.050 mg/L  
  
Result: 0.055 0.053  
MS % Recovery: 110 106  
  
Dup. Result: 0.058 0.049  
MSD % Recov.: 116 98  
  
RPD: 5.3 7.8  
RPD Limit: 0-30 0-30

LCS #:

Prepared Date:  
Analyzed Date:  
Instrument I.D. #:  
Conc. Spiked:  
  
LCS Result:  
LCS % Recov.:

| MS/MSD             | 75-125 | 75-125 |
|--------------------|--------|--------|
| LCS Control Limits |        |        |

SEQUOIA ANALYTICAL

Eileen A. Manning  
Project Manager

Please Note:

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



**Sequoia  
Analytical**

|                                                                          |                                                                          |                                                    |                                                                |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|
| 680 Chesapeake Drive<br>404 N. Wiget Lane<br>819 Striker Avenue, Suite 8 | Redwood City, CA 94063<br>Walnut Creek, CA 94598<br>Sacramento, CA 95834 | (415) 364-9600<br>(510) 988-9600<br>(916) 921-9600 | FAX (415) 364-9233<br>FAX (510) 988-9673<br>FAX (916) 921-0100 |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|

Erler & Kalinowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
Matrix: LIQUID  
Sample Descrip: TMW-1  
Work Order #: 9503L73-01

Reported: Apr 13, 1995

### QUALITY CONTROL DATA REPORT

| Analyte:       | Naphthalene     | Acenaphthene    | Pyrene          |
|----------------|-----------------|-----------------|-----------------|
| QC Batch#:     | GC0403958100EXZ | GC0403958100EXZ | GC0403958100EXZ |
| Analy. Method: | EPA 8100        | EPA 8100        | EPA 8100        |
| Prep. Method:  | EPA 3520        | EPA 3520        | EPA 3520        |

|                    |                |                |                |
|--------------------|----------------|----------------|----------------|
| Analyst:           | L. Laikhtman   | L. Laikhtman   | L. Laikhtman   |
| MS/MSD #:          | 9503L73-01-MSD | 9503L73-01-MSD | 9503L73-01-MSD |
| Sample Conc.:      | N.D.           | N.D.           | N.D.           |
| Prepared Date:     | 04/03/95       | 04/03/95       | 04/03/95       |
| Analyzed Date:     | 04/04/95       | 04/04/95       | 04/04/95       |
| Instrument I.D. #: | GCHP11         | GCHP11         | GCHP11         |
| Conc. Spiked:      | 50 mg/L        | 50 mg/L        | 50 mg/L        |
| Result:            | 51             | 47             | 34             |
| MS % Recovery:     | 102            | 94             | 68             |
| Dup. Result:       | 46             | 43             | 32             |
| MSD % Recov.:      | 92             | 86             | 64             |
| RPD:               | 10             | 8.9            | 6.1            |
| RPD Limit:         | 0-50           | 0-50           | 0-50           |

LCS #:

Prepared Date:  
Analyzed Date:  
Instrument I.D. #:  
Conc. Spiked:

LCS Result:  
LCS % Recov.:

| MS/MSD<br>LCS<br>Control Limits | DL-122 | DL-124 | DL-140 |
|---------------------------------|--------|--------|--------|
|---------------------------------|--------|--------|--------|

*[Signature]*  
**SEQUOIA ANALYTICAL**

Eileen A. Manning  
Project Manager

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

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

9503L73.ERL <3>



**Sequoia  
Analytical**

680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
819 Striker Avenue, Suite 8      Sacramento, CA 95834      (916) 921-9600      FAX (916) 921-0100

Erler & Kalinowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
Matrix: LIQUID  
Sample Descrip: TMW-1  
Work Order #: 9503L73-01, 02

Reported: Apr 13, 1995

## QUALITY CONTROL DATA REPORT

Analyte: Diesel

QC Batch#: GC0404950HBPEXY  
Analy. Method: EPA 8015M  
Prep. Method: EPA 3520

Analyst: B. Ali  
MS/MSD #: 9503L73-01-MSD  
Sample Conc.: 330  
Prepared Date: 04/04/95  
Analyzed Date: 04/08/95  
Instrument I.D.#: GCHP5A  
Conc. Spiked: 600 µg/L

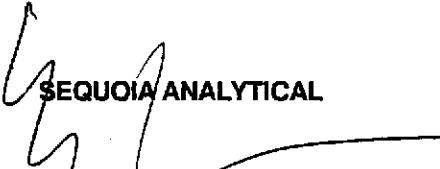
Result: 690  
MS % Recovery: 60  
  
Dup. Result: 530  
MSD % Recov.: 33  
  
RPD: 26  
RPD Limit: 0-50

LCS #: LCS040495-LCS

Prepared Date: 04/04/95  
Analyzed Date: 04/05/95  
Instrument I.D.#: GCHP5A  
Conc. Spiked: 600 µg/L

LCS Result: 430  
LCS % Recov.: 72

MS/MSD  
LCS 38-122  
Control Limits

  
SEQUOIA ANALYTICAL

Eileen A. Manning  
Project Manager

Please Note:

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

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

9503L73.ERL <4>



**Sequoia  
Analytical**

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

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

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

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

Erter & Kalinowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
Matrix: LIQUID  
Sample Descrip: XSD  
Work Order #: 9503L73-01, 02

Reported: Apr 13, 1995

## QUALITY CONTROL DATA REPORT

|                |                     |                  |                 |
|----------------|---------------------|------------------|-----------------|
| Analyte:       | 1,1-Dichloro-ethene | Trichloro-ethene | Chloro-benzene  |
| QC Batch#:     | GC040695801008A     | GC040695801008A  | GC040695801008A |
| Analy. Method: | EPA 8010            | EPA 8010         | EPA 8010        |
| Prep. Method:  | EPA 5030            | EPA 5030         | EPA 5030        |

|                    |                |                |               |
|--------------------|----------------|----------------|---------------|
| Analyst:           | H. Porter      | H. Porter      | H. Porter     |
| MS/MSD #:          | 9504065-01-XSD | 9504065-01-XSD | 504065-01-XSD |
| Sample Conc.:      | N.D.           | 0.90           | N.D.          |
| Prepared Date:     | 04/06/95       | 04/06/95       | 04/06/95      |
| Analyzed Date:     | 04/06/95       | 04/06/95       | 04/06/95      |
| Instrument I.D. #: | GCHP08         | GCHP08         | GCHP08        |
| Conc. Spiked:      | 25 µg/L        | 25 µg/L        | 25 µg/L       |
| Result:            | 24             | 25             | 23            |
| MS % Recovery:     | 96             | 96             | 92            |
| Dup. Result:       | 24             | 27             | 25            |
| MSD % Recov.:      | 96             | 104            | 100           |
| RPD:               | 0.0            | 7.7            | 8.3           |
| RPD Limit:         | 0-50           | 0-50           | 0-50          |

LCS #:

Prepared Date:  
Analyzed Date:  
Instrument I.D. #:  
Conc. Spiked:

LCS Result:  
LCS % Recov.:

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

**SEQUOIA ANALYTICAL**

Eileen A. Manning  
Project Manager

Please Note:

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

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

9503L73.ERL <5>



**Sequoia  
Analytical**

|                                                                          |                                                                          |                                                    |                                                                |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|
| 680 Chesapeake Drive<br>404 N. Wiget Lane<br>819 Striker Avenue, Suite 8 | Redwood City, CA 94063<br>Walnut Creek, CA 94598<br>Sacramento, CA 95834 | (415) 364-9600<br>(510) 988-9600<br>(916) 921-9600 | FAX (415) 364-9233<br>FAX (510) 988-9673<br>FAX (916) 921-0100 |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|

Erler & Kalinowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
Matrix: LIQUID  
Sample Descrip: MW-4  
Work Order #: 9503L73

Reported: Apr 13, 1995

## QUALITY CONTROL DATA REPORT

| Analyte:      | Benzene         | Toluene         | Ethyl Benzene   | Xylenes         |
|---------------|-----------------|-----------------|-----------------|-----------------|
| QC Batch#:    | GC040395BTEX17A | GC040395BTEX17A | GC040395BTEX17A | GC040395BTEX17A |
| Anal. Method: | EPA 8020        | EPA 8020        | EPA 8020        | EPA 8020        |
| Prep. Method: | EPA 5030        | EPA 5030        | EPA 5030        | EPA 5030        |

|                    |                 |                 |                |                 |
|--------------------|-----------------|-----------------|----------------|-----------------|
| Analyst:           | R. Vincent      | R. Vincent      | R. Vincent     | R. Vincent      |
| MS/MSD #:          | G9503I76-01-MSD | G9503I76-01-MSD | 9503I76-01-MSD | G9503I76-01-MSD |
| Sample Conc.:      | N.D.            | N.D.            | N.D.           | N.D.            |
| Prepared Date:     | 04/03/95        | 04/03/95        | 04/03/95       | 04/03/95        |
| Analyzed Date:     | 04/03/95        | 04/03/95        | 04/03/95       | 04/03/95        |
| Instrument I.D. #: | GCHP17          | GCHP17          | GCHP17         | GCHP17          |
| Conc. Spiked:      | 10 µg/L         | 10 µg/L         | 10 µg/L        | 30 µg/L         |
| <br>Result:        | 11              | 11              | 11             | 32              |
| MS % Recovery:     | 110             | 110             | 110            | 107             |
| <br>Dup. Result:   | 11              | 11              | 10             | 30              |
| MSD % Recov.:      | 110             | 110             | 100            | 100             |
| <br>RPD:           | 0.0             | 0.0             | 9.5            | 6.5             |
| RPD Limit:         | 0-50            | 0-50            | 0-50           | 0-50            |

LCS #:

Prepared Date:  
Analyzed Date:  
Instrument I.D. #:  
Conc. Spiked:

LCS Result:  
LCS % Recov.:

| MS/MSD<br>LCS<br>Control Limits | 71-133 | 72-128 | 72-130 | 71-120 |
|---------------------------------|--------|--------|--------|--------|
|                                 |        |        |        |        |

SEQUOIA ANALYTICAL

Eileen A. Manning  
Project Manager

Please Note:

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

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

9503L73.ERL <6>



**Sequoia  
Analytical**

|                                                                          |                                                                          |                                                    |                                                                |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|
| 680 Chesapeake Drive<br>404 N. Wiget Lane<br>819 Striker Avenue, Suite 8 | Redwood City, CA 94063<br>Walnut Creek, CA 94598<br>Sacramento, CA 95834 | (415) 364-9600<br>(510) 988-9600<br>(916) 921-9600 | FAX (415) 364-9233<br>FAX (510) 988-9673<br>FAX (916) 921-0100 |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|

Erler & Kalinowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
Matrix: LIQUID  
Sample Descrip: MW-4  
Work Order #: 9503L73

Reported: Apr 13, 1995

## QUALITY CONTROL DATA REPORT

| Analyte:       | Acetone         | MIBK            | Tetra<br>Hydrofuran | 1,1,1-TCA       |
|----------------|-----------------|-----------------|---------------------|-----------------|
| QC Batch#:     | GC040495ISHSHSA | GC040495ISHSHSA | GC040495ISHSHSA     | GC040495ISHSHSA |
| Analy. Method: | ISHS            | ISHS            | ISHS                | ISHS            |
| Prep. Method:  | HS              | HS              | HS                  | HS              |

|                    |                |                |               |                |
|--------------------|----------------|----------------|---------------|----------------|
| Analyst:           | T. Tran        | T. Tran        | T. Tran       | T. Tran        |
| MS/MSD #:          | 9503I76-01-MSD | 9503I76-01-MSD | 503I76-01-MSD | 9503I76-01-MSD |
| Sample Conc.:      | N.D.           | N.D.           | N.D.          | N.D.           |
| Prepared Date:     | 04/04/95       | 04/04/95       | 04/04/95      | 04/04/95       |
| Analyzed Date:     | 04/04/95       | 04/04/95       | 04/04/95      | 04/04/95       |
| Instrument I.D. #: | GCV1           | GCV1           | GCV1          | GCV1           |
| Conc. Spiked:      | 4.0 mg/L       | 1.0 mg/L       | 2.0 mg/L      | 1.0 mg/L       |
| Result:            | 3.7            | 0.82           | 1.9           | 0.86           |
| MS % Recovery:     | 93             | 82             | 95            | 86             |
| Dup. Result:       | 3.9            | 0.90           | 2.0           | 0.98           |
| MSD % Recov.:      | 98             | 90             | 100           | 98             |
| RPD:               | 5.3            | 9.3            | 5.1           | 13             |
| RPD Limit:         | 0-50           | 0-50           | 0-50          | 0-50           |

LCS #:

Prepared Date:  
Analyzed Date:  
Instrument I.D. #:  
Conc. Spiked:

LCS Result:  
LCS % Recov.:

|                |        |        |        |        |
|----------------|--------|--------|--------|--------|
| MS/MSD         | 50-150 | 50-150 | 50-150 | 50-150 |
| LCS            |        |        |        |        |
| Control Limits |        |        |        |        |

SEQUOIA ANALYTICAL

Eileen A. Manning  
Project Manager

Please Note:

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

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

9503L73.ERL <7>



**Sequoia  
Analytical**

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

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

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

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

Erler & Kalinowski, Inc.  
1730 So. Amphlett Blvd., Suite 320  
San Mateo, CA 94402  
Attention: Paul Hoffey

Client Project ID: 940018.00, Sybase  
Matrix: LIQUID  
Sample Descrip: MW-4  
Work Order #: 9503L73

Reported: Apr 13, 1995

## QUALITY CONTROL DATA REPORT

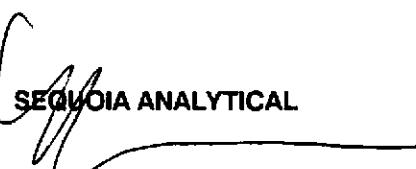
|               |                 |                 |
|---------------|-----------------|-----------------|
| Analyte:      | TCE             | p-Xylene        |
| QC Batch#:    | GC040495ISHSHSA | GC040495ISHSHSA |
| Anal. Method: | ISHS            | ISHS            |
| Prep. Method: | HS              | HS              |

|                    |                |                |
|--------------------|----------------|----------------|
| Analyst:           | T. Tran        | T. Tran        |
| MS/MSD #:          | 9503I76-01-MSD | 9503I76-01-MSD |
| Sample Conc.:      | N.D.           | N.D.           |
| Prepared Date:     | 04/04/95       | 04/04/95       |
| Analyzed Date:     | 04/04/95       | 04/04/95       |
| Instrument I.D. #: | GCV1           | GCV1           |
| Conc. Spiked:      | 1.0 mg/L       | 0.20 mg/L      |
| Result:            | 0.87           | 0.16           |
| MS % Recovery:     | 87             | 80             |
| Dup. Result:       | 0.99           | 0.18           |
| MSD % Recov.:      | 99             | 90             |
| RPD:               | 13             | 12             |
| RPD Limit:         | 0-50           | 0-50           |

LCS #:

Prepared Date:  
Analyzed Date:  
Instrument I.D. #:  
Conc. Spiked:  
  
LCS Result:  
LCS % Recov.:

|                |        |        |
|----------------|--------|--------|
| MS/MSD         |        |        |
| LCS            | 50-150 | 50-150 |
| Control Limits |        |        |

  
SEQUOIA ANALYTICAL

Eileen A. Manning  
Project Manager

Please Note:

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

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

9503L73.ERL <8>

**CHAIN OF CUSTODY / SAMPLE ANALYSIS REQUEST**

**Erler & Kalinowski, Inc.**

Project Number: 940018.00

Project Name: Sybase

Source of Samples: monitoring well

Location: 6413 Street, Emeryville

Analytical Laboratory: Segunia Analytical

Date Sampled: 28 March 1995

Sampled By: Gail Clark

Report Results To: Paul Hoffey

Phone Number: 415) 578-1172

9503L73

**Results  
Required By  
Date/Time)**

**Special Instructions:**

Relinquished By:

Name / Signature / Affiliation

Dat

Tim

Received By:

Name / Signature / Affiliation

JAIL L. CLARK / Jail Clark

✓EKI

28-9

310

None Paled

3-28-95

13:12

—

1

1

1000

Mrs. P. G.

13:12

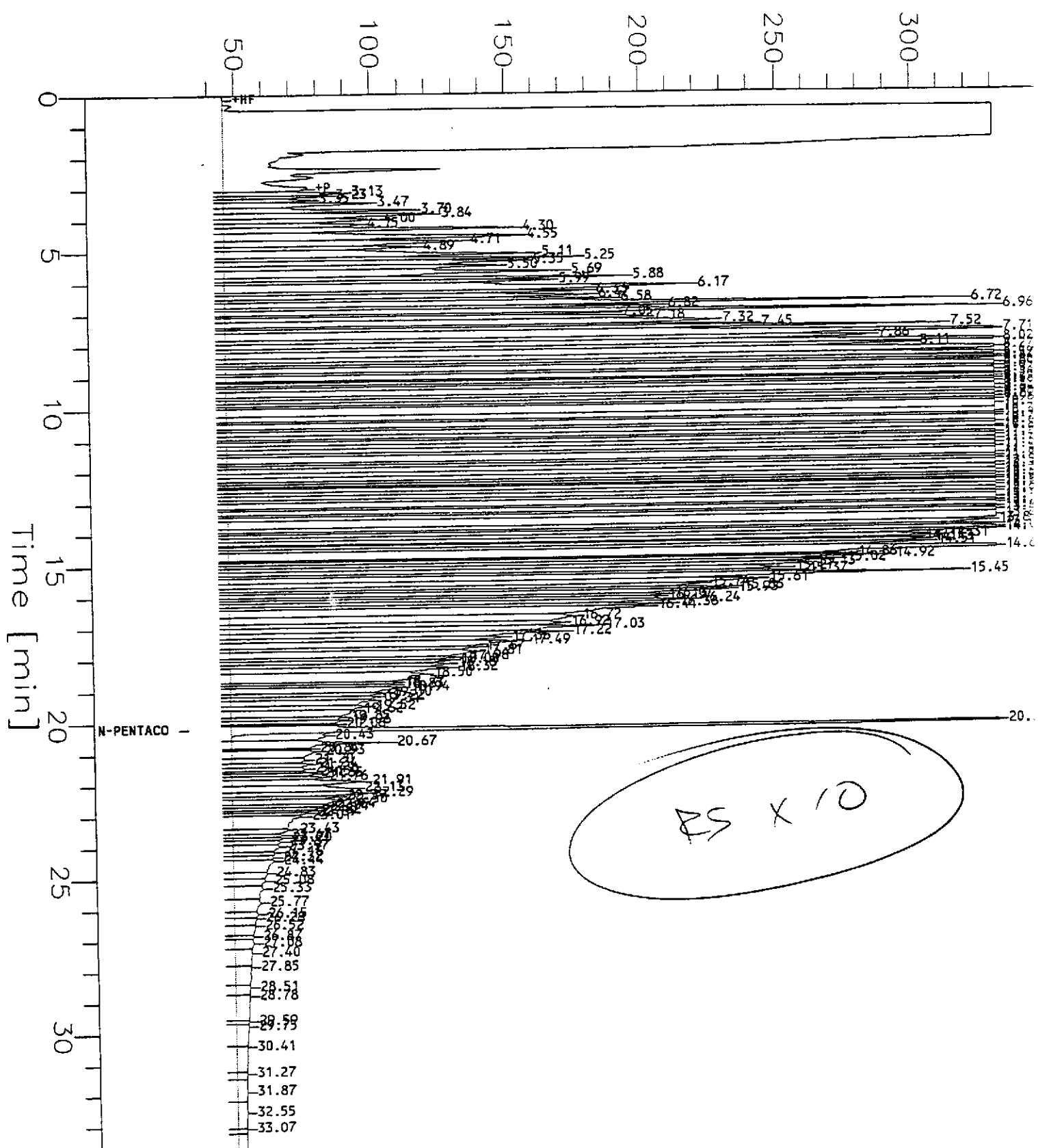
## Chromatogram

Sample Name : D9503I76-4 (500:1)  
FileName : s:\ghp\_05\0402\331A037.raw  
Method : ETPH05A.ins  
Start Time : 0.00 min End Time : 33.67 min  
Scale Factor: -1.0 Plot Offset: 31 mV

Sample #: MW-1  
Date : 4/1/95 10:25  
Time of Injection: 4/1/95 09:51  
Low Point : 30.59 mV High Point : 330.59 mV  
Plot Scale: 300.0 mV

Page 1 of 1

Response [mV]



=====  
Software Version: 3.3 <4B11>  
Sample Name : D9503I76-4 (500:1) Time : 4/1/95 10:25  
Sample Number: MW-1 Study : EKI  
Operator : TO

Instrument : GCHP\_05 Channel : A A/D mV Range : 1024  
AutoSampler : HP7673A  
Rack/Vial : 1/37

Interface Serial # : Data Acquisition Time: 4/1/95 09:51  
Delay Time : 0.00 min.  
End Time : 33.67 min.  
Sampling Rate : 1.2500 pts/sec

Raw Data File : S:\GHP\_05\0402\331A037.RAW  
Result File : S:\GHP\_05\0402\331A037.RST  
Instrument File: S:\GHP\_05\MET\_SEQ\ETPH05A.ins  
Process File : S:\GHP\_05\MET\_SEQ\ETPH05A  
Sample File : S:\GHP\_05\MET\_SEQ\ETPH05A  
Sequence File : S:\GHP\_05\MET\_SEQ\H050331.seq

Inj. Volume : 3 ul Area Reject : 0.000000  
Sample Amount : 1.0000 Dilution Factor : 1.00

=====

Extractable TPH GCHP\_05A

| Peak # | Time [min] | Component Name       | Area [uV*sec] | Area BL [%] | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------------|---------------|-------------|--------------|--------------|
|        | 8.250      | n-C9 to n-C17 Jet    | 1.59488e+08   | 22.69       | 2.6581       | 106.3252     |
|        | 11.250     | n-C9 to n-C24 TPH-D  | 2.16402e+08   | 30.78       | 160.3121     | 6412.4859    |
|        | 16.750     | n-C9 to n-C40 Total  | 2.30969e+08   | 32.86       | 3.8495       | 153.9793     |
|        | 19.875     | n-C16 to n-C36 M/Oil | 96100724.59   | 13.67       | 1.6017       | 64.0671      |
|        |            |                      | 7.02960e+08   | 100.00      |              |              |

Report Stored in ASCII File: S:\GHP\_05\0402\331A037.TX0

=====

Extractable TPH GCHP\_05A

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area BL [%] | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|-------------|--------------|--------------|
| 1      | 3.132      |                | 328088.20     | 0.14 *B     | 0.0055       | 0.2187       |
| 2      | 3.227      |                | 173719.04     | 0.08 *V     | 0.0029       | 0.1158       |
| 3      | 3.354      |                | 175726.53     | 0.08 *V     | 0.0029       | 0.117        |
| 4      | 3.470      |                | 381168.42     | 0.16 *V     | 0.0064       | 0.254        |
| 5      | 3.699      |                | 473605.96     | 0.20 *V     | 0.0079       | 0.3157       |
| 6      | 3.841      |                | 588699.80     | 0.25 *V     | 0.0098       | 0.3925       |
| 7      | 3.998      |                | 404999.93     | 0.18 *V     | 0.0067       | 0.270        |
| 8      | 4.149      |                | 390615.01     | 0.17 *V     | 0.0065       | 0.2604       |
| 9      | 4.298      |                | 692067.78     | 0.30 *V     | 0.0115       | 0.4614       |
| 10     | 4.549      |                | 995943.02     | 0.43 *V     | 0.0166       | 0.664        |
| 11     | 4.705      |                | 823911.75     | 0.36 *V     | 0.0137       | 0.549        |
| 12     | 4.892      |                | 433492.62     | 0.19 *V     | 0.0072       | 0.2890       |
| 13     | 5.113      |                | 1035015.83    | 0.45 *V     | 0.0173       | 0.690        |

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|----|--------------|--------------|
| 14     | 5.247      |                | 637393.40     | 0.28     | *V | 0.0106       | 0.4249       |
| 15     | 5.353      |                | 896982.70     | 0.39     | *V | 0.0149       | 0.5980       |
| 16     | 5.502      |                | 697689.54     | 0.30     | *V | 0.0116       | 0.4651       |
| 17     | 5.685      |                | 1168338.53    | 0.50     | *V | 0.0195       | 0.7789       |
| 18     | 5.881      |                | 915799.11     | 0.40     | *V | 0.0153       | 0.6105       |
| 19     | 5.985      |                | 591016.81     | 0.26     | *V | 0.0099       | 0.3940       |
| 20     | 6.172      |                | 1838503.35    | 0.79     | *V | 0.0306       | 1.2257       |
| 21     | 6.327      |                | 666832.01     | 0.29     | *V | 0.0111       | 0.4446       |
| 22     | 6.465      |                | 1038119.97    | 0.45     | *V | 0.0173       | 0.6921       |
| 23     | 6.582      |                | 724865.47     | 0.31     | *V | 0.0121       | 0.4832       |
| 24     | 6.716      |                | 1695593.38    | 0.73     | *V | 0.0283       | 1.1304       |
| 25     | 6.817      |                | 745532.89     | 0.32     | *V | 0.0124       | 0.4970       |
| 26     | 6.961      |                | 1710990.26    | 0.74     | *V | 0.0285       | 1.1407       |
| 27     | 7.048      |                | 636212.20     | 0.27     | *V | 0.0106       | 0.4241       |
| 28     | 7.183      |                | 1151438.30    | 0.50     | *V | 0.0192       | 0.7676       |
| 29     | 7.315      |                | 1701663.55    | 0.74     | *V | 0.0284       | 1.1344       |
| 30     | 7.446      |                | 713920.87     | 0.31     | *V | 0.0119       | 0.4759       |
| 31     | 7.518      |                | 1493413.27    | 0.65     | *V | 0.0249       | 0.9956       |
| 32     | 7.711      |                | 3412373.37    | 1.47     | *V | 0.0569       | 2.2749       |
| 33     | 7.858      |                | 1616456.60    | 0.70     | *V | 0.0269       | 1.0776       |
| 34     | 8.022      |                | 2763549.98    | 1.19     | *V | 0.0461       | 1.8424       |
| 35     | 8.112      |                | 1721970.57    | 0.74     | *V | 0.0287       | 1.1480       |
| 36     | 8.272      |                | 3097423.45    | 1.34     | *V | 0.0516       | 2.0649       |
| 37     | 8.443      |                | 2435107.24    | 1.05     | *V | 0.0406       | 1.6234       |
| 38     | 8.571      |                | 1846522.86    | 0.80     | *V | 0.0308       | 1.2310       |
| 39     | 8.635      |                | 1364641.56    | 0.59     | *V | 0.0227       | 0.9098       |
| 40     | 8.802      |                | 4812364.93    | 2.08     | *V | 0.0802       | 3.2082       |
| 41     | 8.893      |                | 1410957.19    | 0.61     | *V | 0.0235       | 0.9406       |
| 42     | 9.015      |                | 3517387.29    | 1.52     | *V | 0.0586       | 2.3449       |
| 43     | 9.138      |                | 1097981.86    | 0.47     | *V | 0.0183       | 0.7320       |
| 44     | 9.215      |                | 2051436.12    | 0.89     | *V | 0.0342       | 1.3676       |
| 45     | 9.291      |                | 1715223.33    | 0.74     | *V | 0.0286       | 1.1435       |
| 46     | 9.377      |                | 2230942.47    | 0.96     | *V | 0.0372       | 1.4873       |
| 47     | 9.524      |                | 3769163.42    | 1.63     | *V | 0.0628       | 2.5128       |
| 48     | 9.643      |                | 1964968.51    | 0.85     | *V | 0.0327       | 1.3100       |
| 49     | 9.764      |                | 2588988.08    | 1.12     | *V | 0.0431       | 1.7260       |
| 50     | 9.869      |                | 2514688.73    | 1.09     | *V | 0.0419       | 1.6765       |
| 51     | 9.962      |                | 1340900.35    | 0.58     | *V | 0.0223       | 0.8939       |
| 52     | 10.099     |                | 7205912.23    | 3.11     | *V | 0.1201       | 4.8039       |
| 53     | 10.355     |                | 4116278.98    | 1.78     | *V | 0.0686       | 2.7442       |
| 54     | 10.417     |                | 2213572.91    | 0.96     | *V | 0.0369       | 1.4757       |
| 55     | 10.496     |                | 3751558.06    | 1.62     | *V | 0.0625       | 2.5010       |
| 56     | 10.669     |                | 1747089.13    | 0.76     | *V | 0.0291       | 1.1647       |
| 57     | 10.809     |                | 3352596.80    | 1.45     | *V | 0.0559       | 2.2351       |
| 58     | 10.864     |                | 3480602.42    | 1.50     | *V | 0.0580       | 2.3204       |
| 59     | 11.014     |                | 1868722.20    | 0.81     | *V | 0.0311       | 1.2458       |
| 60     | 11.093     |                | 4724219.62    | 2.04     | *V | 0.0787       | 3.1495       |
| 61     | 11.221     |                | 2886134.96    | 1.25     | *V | 0.0481       | 1.9241       |
| 62     | 11.341     |                | 3457884.27    | 1.49     | *V | 0.0576       | 2.3053       |
| 63     | 11.465     |                | 2349863.56    | 1.02     | *V | 0.0392       | 1.5666       |
| 64     | 11.670     |                | 5507730.19    | 2.38     | *V | 0.0918       | 3.6718       |
| 65     | 11.759     |                | 1838160.93    | 0.79     | *V | 0.0306       | 1.2254       |
| 66     | 11.838     |                | 2080706.13    | 0.90     | *V | 0.0347       | 1.3871       |
| 67     | 12.007     |                | 3243410.66    | 1.40     | *V | 0.0541       | 2.1623       |
| 68     | 12.107     |                | 3737457.42    | 1.62     | *V | 0.0623       | 2.4916       |
| 69     | 12.240     |                | 3147784.93    | 1.36     | *V | 0.0525       | 2.0985       |
| 70     | 12.352     |                | 1676502.39    | 0.72     | *V | 0.0279       | 1.1177       |
| 71     | 12.439     |                | 1661530.95    | 0.72     | *V | 0.0277       | 1.1077       |

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|----|--------------|--------------|
| 72     | 12.514     |                | 1112960.69    | 0.48     | *V | 0.0185       | 0.7420       |
| 73     | 12.626     |                | 2855493.34    | 1.23     | *V | 0.0476       | 1.9031       |
| 74     | 12.707     |                | 2224918.34    | 0.96     | *V | 0.0371       | 1.4831       |
| 75     | 12.843     |                | 2381422.65    | 1.03     | *V | 0.0397       | 1.5876       |
| 76     | 12.928     |                | 1707913.92    | 0.74     | *V | 0.0285       | 1.1386       |
| 77     | 13.102     |                | 4629933.37    | 2.00     | *V | 0.0772       | 3.0866       |
| 78     | 13.192     |                | 1491467.76    | 0.64     | *V | 0.0249       | 0.9943       |
| 79     | 13.275     |                | 2472271.01    | 1.07     | *V | 0.0412       | 1.6482       |
| 80     | 13.397     |                | 1145095.34    | 0.49     | *V | 0.0191       | 0.7634       |
| 81     | 13.493     |                | 2224266.52    | 0.96     | *V | 0.0371       | 1.4828       |
| 82     | 13.678     |                | 6243767.51    | 2.70     | *V | 0.1041       | 4.1625       |
| 83     | 13.853     |                | 1977422.58    | 0.85     | *V | 0.0330       | 1.3183       |
| 84     | 13.973     |                | 1118575.82    | 0.48     | *V | 0.0186       | 0.7451       |
| 85     | 14.067     |                | 1908363.54    | 0.82     | *V | 0.0318       | 1.2722       |
| 86     | 14.129     |                | 1749276.95    | 0.76     | *V | 0.0292       | 1.1662       |
| 87     | 14.306     |                | 2038565.91    | 0.88     | *V | 0.0340       | 1.3591       |
| 88     | 14.372     |                | 602408.66     | 0.26     | *V | 0.0100       | 0.4011       |
| 89     | 14.429     |                | 1421093.87    | 0.61     | *V | 0.0237       | 0.9474       |
| 90     | 14.505     |                | 1381354.71    | 0.60     | *V | 0.0230       | 0.9209       |
| 91     | 14.680     |                | 4562463.78    | 1.97     | *V | 0.0760       | 3.0411       |
| 92     | 14.858     |                | 907507.07     | 0.39     | *V | 0.0151       | 0.6056       |
| 93     | 14.921     |                | 1265252.22    | 0.55     | *V | 0.0211       | 0.8435       |
| 94     | 15.023     |                | 1196423.89    | 0.52     | *V | 0.0199       | 0.7971       |
| 95     | 15.132     |                | 1335535.94    | 0.58     | *V | 0.0223       | 0.8901       |
| 96     | 15.266     |                | 1431098.67    | 0.62     | *V | 0.0239       | 0.9541       |
| 97     | 15.370     |                | 984051.37     | 0.43     | *V | 0.0164       | 0.6560       |
| 98     | 15.445     |                | 2274047.98    | 0.98     | *V | 0.0379       | 1.5161       |
| 99     | 15.614     |                | 1616867.00    | 0.70     | *V | 0.0269       | 1.0775       |
| 100    | 15.739     |                | 1089398.91    | 0.47     | *V | 0.0182       | 0.7263       |
| 101    | 15.858     |                | 871333.60     | 0.38     | *V | 0.0145       | 0.5801       |
| 102    | 15.927     |                | 1357063.57    | 0.59     | *V | 0.0226       | 0.9041       |
| 103    | 16.067     |                | 760610.81     | 0.33     | *V | 0.0127       | 0.5071       |
| 104    | 16.131     |                | 886344.82     | 0.38     | *V | 0.0148       | 0.5901       |
| 105    | 16.240     |                | 1008242.78    | 0.44     | *V | 0.0168       | 0.6721       |
| 106    | 16.361     |                | 854397.27     | 0.37     | *V | 0.0142       | 0.5696       |
| 107    | 16.442     |                | 1989318.82    | 0.86     | *V | 0.0332       | 1.3262       |
| 108    | 16.718     |                | 1582590.06    | 0.68     | *V | 0.0264       | 1.0551       |
| 109    | 16.923     |                | 956516.96     | 0.41     | *V | 0.0159       | 0.6371       |
| 110    | 17.030     |                | 1239387.20    | 0.54     | *V | 0.0207       | 0.8263       |
| 111    | 17.215     |                | 1035956.12    | 0.45     | *V | 0.0173       | 0.6906       |
| 112    | 17.361     |                | 695890.70     | 0.30     | *V | 0.0116       | 0.4631       |
| 113    | 17.493     |                | 1080647.88    | 0.47     | *V | 0.0180       | 0.7201       |
| 114    | 17.667     |                | 633811.01     | 0.27     | *V | 0.0106       | 0.4225       |
| 115    | 17.809     |                | 1027824.90    | 0.44     | *V | 0.0171       | 0.6851       |
| 116    | 17.982     |                | 450918.93     | 0.19     | *V | 0.0075       | 0.3001       |
| 117    | 18.076     |                | 496914.84     | 0.21     | *V | 0.0083       | 0.3313       |
| 118    | 18.184     |                | 553231.32     | 0.24     | *V | 0.0092       | 0.3688       |
| 119    | 18.319     |                | 709994.14     | 0.31     | *V | 0.0118       | 0.4731       |
| 120    | 18.501     |                | 1168932.96    | 0.51     | *V | 0.0195       | 0.7795       |
| 121    | 18.770     |                | 336936.67     | 0.15     | *V | 0.0056       | 0.2246       |
| 122    | 18.834     |                | 284899.67     | 0.12     | *V | 0.0047       | 0.1891       |
| 123    | 18.936     |                | 600472.21     | 0.26     | *V | 0.0100       | 0.4001       |
| 124    | 19.098     |                | 344119.94     | 0.15     | *V | 0.0057       | 0.2294       |
| 125    | 19.215     |                | 335619.00     | 0.15     | *V | 0.0056       | 0.2237       |
| 126    | 19.308     |                | 548996.60     | 0.24     | *V | 0.0091       | 0.3661       |
| 127    | 19.524     |                | 379212.96     | 0.16     | *V | 0.0063       | 0.2526       |
| 128    | 19.621     |                | 553953.03     | 0.24     | *V | 0.0092       | 0.3693       |
| 129    | 19.849     |                | 254716.53     | 0.11     | *V | 0.0042       | 0.1691       |

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|----|--------------|--------------|
| 130    | 19.959     |                | 284730.31     | 0.12     | *V | 0.0047       | 0.1898       |
| 131    | 20.077     |                | 124326.43     | 0.05     | *V | 0.0021       | 0.0829       |
| 132    | 20.243     | n-Pentacosane  | 3433205.18    | 1.48     | *V | 2.6857       | 107.4297     |
| 133    | 20.434     |                | 424353.13     | 0.18     | *E | 0.0071       | 0.2829       |
| 134    | 20.666     |                | 552728.59     | 0.24     | *V | 0.0092       | 0.3685       |
| 135    | 20.839     |                | 92917.32      | 0.04     | *V | 0.0015       | 0.0619       |
| 136    | 20.932     |                | 436030.14     | 0.19     | *V | 0.0073       | 0.2907       |
| 137    | 21.204     |                | 255230.61     | 0.11     | *V | 0.0043       | 0.1702       |
| 138    | 21.337     |                | 218380.07     | 0.09     | *V | 0.0036       | 0.1456       |
| 139    | 21.488     |                | 190645.04     | 0.08     | *V | 0.0032       | 0.1271       |
| 140    | 21.593     |                | 134080.38     | 0.06     | *V | 0.0022       | 0.0894       |
| 141    | 21.653     |                | 164777.48     | 0.07     | *V | 0.0027       | 0.1099       |
| 142    | 21.762     |                | 198906.73     | 0.09     | *V | 0.0033       | 0.1326       |
| 143    | 21.909     |                | 438456.19     | 0.19     | *V | 0.0073       | 0.2923       |
| 144    | 22.129     |                | 520080.88     | 0.22     | *V | 0.0087       | 0.3467       |
| 145    | 22.287     |                | 354013.92     | 0.15     | *V | 0.0059       | 0.2360       |
| 146    | 22.385     |                | 204579.64     | 0.09     | *V | 0.0034       | 0.1364       |
| 147    | 22.502     |                | 357330.15     | 0.15     | *V | 0.0060       | 0.2382       |
| 148    | 22.644     |                | 181504.27     | 0.08     | *V | 0.0030       | 0.1210       |
| 149    | 22.738     |                | 196991.45     | 0.09     | *V | 0.0033       | 0.1313       |
| 150    | 22.822     |                | 113993.61     | 0.05     | *V | 0.0019       | 0.0760       |
| 151    | 22.893     |                | 147236.90     | 0.06     | *V | 0.0025       | 0.0982       |
| 152    | 23.009     |                | 561061.83     | 0.24     | *V | 0.0094       | 0.3740       |
| 153    | 23.430     |                | 187121.32     | 0.08     | *V | 0.0031       | 0.1247       |
| 154    | 23.609     |                | 113750.54     | 0.05     | *V | 0.0019       | 0.0758       |
| 155    | 23.700     |                | 99805.61      | 0.04     | *V | 0.0017       | 0.0665       |
| 156    | 23.814     |                | 152084.92     | 0.07     | *V | 0.0025       | 0.1014       |
| 157    | 23.972     |                | 220511.90     | 0.10     | *V | 0.0037       | 0.1470       |
| 158    | 24.161     |                | 108773.58     | 0.05     | *V | 0.0018       | 0.0725       |
| 159    | 24.322     |                | 117678.92     | 0.05     | *V | 0.0020       | 0.0785       |
| 160    | 24.436     |                | 324249.73     | 0.14     | *V | 0.0054       | 0.2162       |
| 161    | 24.826     |                | 153092.18     | 0.07     | *V | 0.0026       | 0.1021       |
| 162    | 25.077     |                | 149164.17     | 0.06     | *V | 0.0025       | 0.0994       |
| 163    | 25.328     |                | 252521.82     | 0.11     | *V | 0.0042       | 0.1683       |
| 164    | 25.769     |                | 214115.25     | 0.09     | *V | 0.0036       | 0.1427       |
| 165    | 26.148     |                | 101762.47     | 0.04     | *V | 0.0017       | 0.0678       |
| 166    | 26.284     |                | 112476.36     | 0.05     | *V | 0.0019       | 0.0750       |
| 167    | 26.524     |                | 145302.10     | 0.06     | *V | 0.0024       | 0.0969       |
| 168    | 26.865     |                | 49457.78      | 0.02     | *V | 0.0008       | 0.0330       |
| 169    | 27.081     |                | 127590.76     | 0.06     | *V | 0.0021       | 0.0851       |
| 170    | 27.397     |                | 199596.94     | 0.09     | *V | 0.0033       | 0.1331       |
| 171    | 27.854     |                | 206663.78     | 0.09     | *V | 0.0034       | 0.1378       |
| 172    | 28.508     |                | 97078.20      | 0.04     | *V | 0.0016       | 0.0647       |
| 173    | 28.778     |                | 245114.09     | 0.11     | *V | 0.0041       | 0.1634       |
| 174    | 29.585     |                | 33893.45      | 0.01     | *V | 0.0006       | 0.0226       |
| 175    | 29.753     |                | 181237.22     | 0.08     | *V | 0.0030       | 0.1208       |
| 176    | 30.406     |                | 200154.89     | 0.09     | *V | 0.0033       | 0.1334       |
| 177    | 31.272     |                | 53506.81      | 0.02     | *V | 0.0009       | 0.0357       |
| 178    | 31.874     |                | 152984.03     | 0.07     | *V | 0.0025       | 0.1020       |
| 179    | 32.546     |                | 183199.05     | 0.08     | *V | 0.0031       | 0.1221       |
| 180    | 33.069     |                | 32260.39      | 0.01     | *V | 0.0005       | 0.0215       |

2.31391e+08 100.00

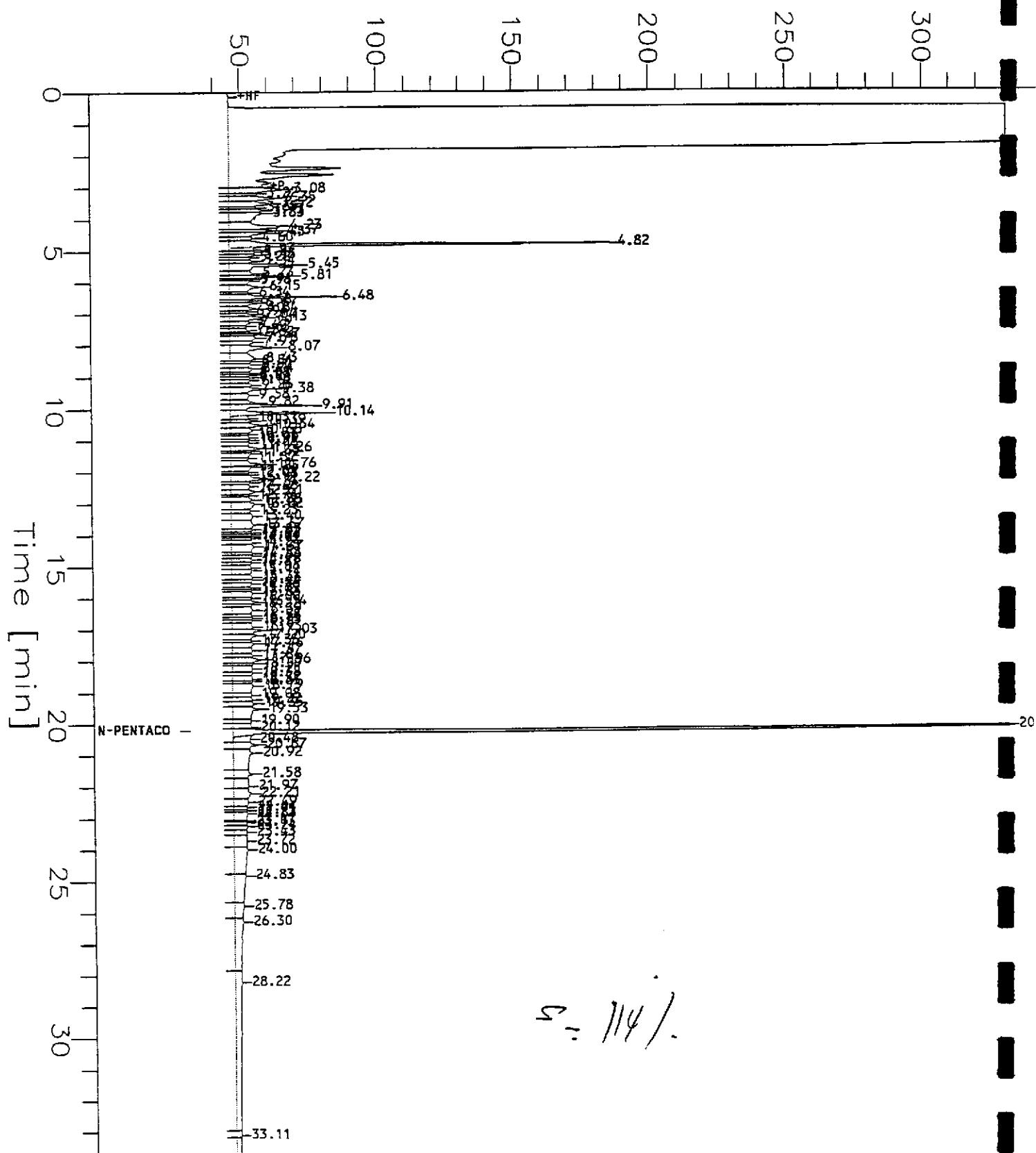
# Chromatogram

Sample Name : D9503176-3 (500:1)  
FileName : s:\ghp\_05\0402\331A036.raw  
Method : ETPH05A.ins  
Start Time : 0.00 min End Time : 33.67 min  
Scale Factor: -1.0 Plot Offset: 31 mV

Sample #: MW-2  
Date : 4/1/95 09:44  
Time of Injection: 4/1/95 09:10  
Low Point : 30.56 mV High Point : 330.56 mV  
Plot Scale: 300.0 mV

Page 1 of 1

Response [mV]



4-1141

100

200

300

=====  
Software Version: 3.3 <4B11>  
Sample Name : D9503I76-3 (500:1) Time : 4/1/95 09:44  
Sample Number: MW-2 Study : EKI  
Operator : TO

Instrument : GCHP\_05 Channel : A A/D mV Range : 1024  
AutoSampler : HP7673A  
Rack/Vial : 1/36

Interface Serial # : Data Acquisition Time: 4/1/95 09:10  
Delay Time : 0.00 min.  
End Time : 33.67 min.  
Sampling Rate : 1.2500 pts/sec

Raw Data File : S:\GHP\_05\0402\331A036.RAW  
Result File : S:\GHP\_05\0402\331A036.RST  
Instrument File: S:\GHP\_05\MET\_SEQ\ETPH05A.ins  
Process File : S:\GHP\_05\MET\_SEQ\ETPH05A  
Sample File : S:\GHP\_05\MET\_SEQ\ETPH05A  
Sequence File : S:\GHP\_05\MET\_SEQ\H050331.seq

Inj. Volume : 3 ul Area Reject : 0.000000  
Sample Amount : 1.0000 Dilution Factor : 1.00

=====  
Extractable TPH GCHP\_05A

| Peak # | Time [min] | Component Name       | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------------|---------------|----------|----|--------------|--------------|
|        | 8.250      | n-C9 to n-C17 Jet    | 6111317.38    | 16.09    |    | 0.1019       | 4.0742       |
|        | 11.250     | n-C9 to n-C24 TPH-D  | 8788269.41    | 23.13    |    | 6.5104       | 260.4161     |
|        | 16.750     | n-C9 to n-C40 Total  | 14661960.40   | 38.59    |    | 0.2444       | 9.7746       |
|        | 19.875     | n-C16 to n-C36 M/Oil | 8431140.89    | 22.19    |    | 0.1405       | 5.6208       |
|        |            |                      | 37992688.08   | 100.00   |    |              |              |

Report Stored in ASCII File: S:\GHP\_05\0402\331A036.TX0

=====  
Extractable TPH GCHP\_05A

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|----|--------------|--------------|
| 1      | 3.078      |                | 172405.20     | 1.17 *B  |    | 0.0029       | 0.1149       |
| 2      | 3.215      |                | 49230.52      | 0.34 *V  |    | 0.0008       | 0.0328       |
| 3      | 3.352      |                | 126881.93     | 0.86 *V  |    | 0.0021       | 0.0846       |
| 4      | 3.523      |                | 125318.25     | 0.85 *V  |    | 0.0021       | 0.0835       |
| 5      | 3.648      |                | 49357.41      | 0.34 *V  |    | 0.0008       | 0.0329       |
| 6      | 3.732      |                | 74658.86      | 0.51 *V  |    | 0.0012       | 0.0498       |
| 7      | 3.828      |                | 173794.93     | 1.18 *V  |    | 0.0029       | 0.1159       |
| 8      | 4.225      |                | 191118.06     | 1.30 *V  |    | 0.0032       | 0.1274       |
| 9      | 4.371      |                | 80798.41      | 0.55 *V  |    | 0.0013       | 0.0539       |
| 10     | 4.448      |                | 81115.20      | 0.55 *V  |    | 0.0014       | 0.0541       |
| 11     | 4.603      |                | 59349.46      | 0.40 *V  |    | 0.0010       | 0.0396       |
| 12     | 4.817      |                | 563407.28     | 3.84 *V  |    | 0.0094       | 0.3756       |
| 13     | 4.972      |                | 54713.53      | 0.37 *E  |    | 0.0009       | 0.0365       |

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|----|--------------|--------------|
| 14     | 5.038      |                | 51930.89      | 0.35     | *V | 0.0009       | 0.0346       |
| 15     | 5.132      |                | 48885.29      | 0.33     | *V | 0.0008       | 0.0326       |
| 16     | 5.218      |                | 37245.64      | 0.25     | *V | 0.0006       | 0.0248       |
| 17     | 5.338      |                | 60014.42      | 0.41     | *V | 0.0010       | 0.0400       |
| 18     | 5.453      |                | 167106.48     | 1.14     | *V | 0.0028       | 0.1114       |
| 19     | 5.727      |                | 66181.00      | 0.45     | *V | 0.0011       | 0.0441       |
| 20     | 5.810      |                | 92474.91      | 0.63     | *V | 0.0015       | 0.0616       |
| 21     | 5.908      |                | 32213.59      | 0.22     | *V | 0.0005       | 0.0215       |
| 22     | 5.957      |                | 57490.04      | 0.39     | *V | 0.0010       | 0.0383       |
| 23     | 6.153      |                | 111880.65     | 0.76     | *V | 0.0019       | 0.0746       |
| 24     | 6.339      |                | 28999.51      | 0.20     | *V | 0.0005       | 0.0193       |
| 25     | 6.475      |                | 183936.32     | 1.25     | *V | 0.0031       | 0.1226       |
| 26     | 6.584      |                | 36064.94      | 0.25     | *V | 0.0006       | 0.0240       |
| 27     | 6.668      |                | 57422.83      | 0.39     | *V | 0.0010       | 0.0383       |
| 28     | 6.837      |                | 68589.84      | 0.47     | *V | 0.0011       | 0.0457       |
| 29     | 6.936      |                | 29814.70      | 0.20     | *V | 0.0005       | 0.0199       |
| 30     | 7.035      |                | 54792.72      | 0.37     | *V | 0.0009       | 0.0365       |
| 31     | 7.125      |                | 92280.68      | 0.63     | *V | 0.0015       | 0.0615       |
| 32     | 7.285      |                | 56139.34      | 0.38     | *V | 0.0009       | 0.0374       |
| 33     | 7.404      |                | 29105.75      | 0.20     | *V | 0.0005       | 0.0194       |
| 34     | 7.543      |                | 45088.64      | 0.31     | *V | 0.0008       | 0.0301       |
| 35     | 7.616      |                | 31577.58      | 0.22     | *V | 0.0005       | 0.0211       |
| 36     | 7.672      |                | 38463.96      | 0.26     | *V | 0.0006       | 0.0256       |
| 37     | 7.784      |                | 86504.60      | 0.59     | *V | 0.0014       | 0.0577       |
| 38     | 7.913      |                | 57673.56      | 0.39     | *V | 0.0010       | 0.0384       |
| 39     | 8.072      |                | 148623.43     | 1.01     | *V | 0.0025       | 0.0991       |
| 40     | 8.427      |                | 116474.89     | 0.79     | *V | 0.0019       | 0.0776       |
| 41     | 8.505      |                | 37158.41      | 0.25     | *V | 0.0006       | 0.0248       |
| 42     | 8.604      |                | 58099.13      | 0.40     | *V | 0.0010       | 0.0387       |
| 43     | 8.742      |                | 67993.50      | 0.46     | *V | 0.0011       | 0.0453       |
| 44     | 8.876      |                | 28632.09      | 0.19     | *V | 0.0005       | 0.0191       |
| 45     | 8.933      |                | 28561.44      | 0.19     | *V | 0.0005       | 0.0190       |
| 46     | 9.022      |                | 39533.96      | 0.27     | *V | 0.0007       | 0.0264       |
| 47     | 9.101      |                | 45289.89      | 0.31     | *V | 0.0008       | 0.0302       |
| 48     | 9.261      |                | 60709.60      | 0.41     | *V | 0.0010       | 0.0405       |
| 49     | 9.380      |                | 109469.52     | 0.75     | *V | 0.0018       | 0.0730       |
| 50     | 9.579      |                | 80210.23      | 0.55     | *V | 0.0013       | 0.0535       |
| 51     | 9.815      |                | 71221.60      | 0.48     | *V | 0.0012       | 0.0475       |
| 52     | 9.913      |                | 148445.53     | 1.01     | *V | 0.0025       | 0.0990       |
| 53     | 10.144     |                | 161084.52     | 1.10     | *V | 0.0027       | 0.1074       |
| 54     | 10.308     |                | 44139.29      | 0.30     | *E | 0.0007       | 0.0294       |
| 55     | 10.391     |                | 51889.83      | 0.35     | *V | 0.0009       | 0.0346       |
| 56     | 10.540     |                | 88151.04      | 0.60     | *V | 0.0015       | 0.0588       |
| 57     | 10.683     |                | 77773.33      | 0.53     | *V | 0.0013       | 0.0518       |
| 58     | 10.813     |                | 26033.87      | 0.18     | *V | 0.0004       | 0.0174       |
| 59     | 10.910     |                | 42754.79      | 0.29     | *V | 0.0007       | 0.0285       |
| 60     | 10.990     |                | 38406.70      | 0.26     | *V | 0.0006       | 0.0256       |
| 61     | 11.076     |                | 53426.47      | 0.36     | *V | 0.0009       | 0.0356       |
| 62     | 11.256     |                | 77908.90      | 0.53     | *V | 0.0013       | 0.0519       |
| 63     | 11.354     |                | 30368.96      | 0.21     | *V | 0.0005       | 0.0202       |
| 64     | 11.415     |                | 66373.58      | 0.45     | *V | 0.0011       | 0.0441       |
| 65     | 11.571     |                | 30363.98      | 0.21     | *V | 0.0005       | 0.0202       |
| 66     | 11.758     |                | 93602.43      | 0.64     | *V | 0.0016       | 0.0624       |
| 67     | 11.847     |                | 67664.72      | 0.46     | *V | 0.0011       | 0.0451       |
| 68     | 12.014     |                | 26084.37      | 0.18     | *V | 0.0004       | 0.0174       |
| 69     | 12.084     |                | 21534.01      | 0.15     | *V | 0.0004       | 0.0144       |
| 70     | 12.218     |                | 111194.91     | 0.76     | *V | 0.0019       | 0.0741       |
| 71     | 12.336     |                | 38968.73      | 0.27     | *V | 0.0006       | 0.026        |

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|----|--------------|--------------|
| 72     | 12.459     |                | 64704.81      | 0.44     | *V | 0.0011       | 0.0431       |
| 73     | 12.614     |                | 76020.78      | 0.52     | *V | 0.0013       | 0.0507       |
| 74     | 12.744     |                | 26476.15      | 0.18     | *V | 0.0004       | 0.0177       |
| 75     | 12.878     |                | 69112.34      | 0.47     | *V | 0.0012       | 0.0461       |
| 76     | 13.021     |                | 107737.37     | 0.73     | *V | 0.0018       | 0.0718       |
| 77     | 13.228     |                | 56438.92      | 0.38     | *V | 0.0009       | 0.0376       |
| 78     | 13.400     |                | 98652.46      | 0.67     | *V | 0.0016       | 0.0658       |
| 79     | 13.666     |                | 131900.85     | 0.90     | *V | 0.0022       | 0.0879       |
| 80     | 13.829     |                | 42539.01      | 0.29     | *V | 0.0007       | 0.0284       |
| 81     | 13.923     |                | 30186.20      | 0.21     | *V | 0.0005       | 0.0201       |
| 82     | 13.974     |                | 30156.74      | 0.21     | *V | 0.0005       | 0.0201       |
| 83     | 14.038     |                | 23548.00      | 0.16     | *V | 0.0004       | 0.0157       |
| 84     | 14.094     |                | 29659.11      | 0.20     | *V | 0.0005       | 0.0198       |
| 85     | 14.240     |                | 66232.53      | 0.45     | *V | 0.0011       | 0.0442       |
| 86     | 14.368     |                | 118959.86     | 0.81     | *V | 0.0020       | 0.0793       |
| 87     | 14.581     |                | 43378.05      | 0.30     | *V | 0.0007       | 0.0289       |
| 88     | 14.661     |                | 42169.55      | 0.29     | *V | 0.0007       | 0.0281       |
| 89     | 14.780     |                | 53737.26      | 0.37     | *V | 0.0009       | 0.0358       |
| 90     | 14.870     |                | 45877.56      | 0.31     | *V | 0.0008       | 0.0306       |
| 91     | 15.042     |                | 57780.81      | 0.39     | *V | 0.0010       | 0.0385       |
| 92     | 15.118     |                | 69775.51      | 0.48     | *V | 0.0012       | 0.0465       |
| 93     | 15.335     |                | 71663.88      | 0.49     | *V | 0.0012       | 0.0478       |
| 94     | 15.441     |                | 53622.23      | 0.37     | *V | 0.0009       | 0.0357       |
| 95     | 15.557     |                | 57305.50      | 0.39     | *V | 0.0010       | 0.0382       |
| 96     | 15.693     |                | 28324.10      | 0.19     | *V | 0.0005       | 0.0189       |
| 97     | 15.750     |                | 29215.93      | 0.20     | *V | 0.0005       | 0.0195       |
| 98     | 15.850     |                | 83221.53      | 0.57     | *V | 0.0014       | 0.0555       |
| 99     | 16.004     |                | 40690.55      | 0.28     | *V | 0.0007       | 0.0271       |
| 100    | 16.139     |                | 58827.60      | 0.40     | *V | 0.0010       | 0.0392       |
| 101    | 16.215     |                | 40462.52      | 0.28     | *V | 0.0007       | 0.0270       |
| 102    | 16.385     |                | 93726.26      | 0.64     | *V | 0.0016       | 0.0625       |
| 103    | 16.576     |                | 52675.30      | 0.36     | *V | 0.0009       | 0.0351       |
| 104    | 16.650     |                | 36220.53      | 0.25     | *V | 0.0006       | 0.0241       |
| 105    | 16.726     |                | 40963.85      | 0.28     | *V | 0.0007       | 0.0273       |
| 106    | 16.929     |                | 82872.60      | 0.56     | *V | 0.0014       | 0.0552       |
| 107    | 17.028     |                | 94110.90      | 0.64     | *V | 0.0016       | 0.0627       |
| 108    | 17.198     |                | 81598.04      | 0.56     | *V | 0.0014       | 0.0544       |
| 109    | 17.362     |                | 34110.25      | 0.23     | *V | 0.0006       | 0.0227       |
| 110    | 17.458     |                | 72377.68      | 0.49     | *V | 0.0012       | 0.0483       |
| 111    | 17.671     |                | 87967.52      | 0.60     | *V | 0.0015       | 0.0586       |
| 112    | 17.844     |                | 52915.83      | 0.36     | *V | 0.0009       | 0.0353       |
| 113    | 17.961     |                | 90080.23      | 0.61     | *V | 0.0015       | 0.0601       |
| 114    | 18.090     |                | 36463.61      | 0.25     | *V | 0.0006       | 0.0243       |
| 115    | 18.247     |                | 93521.19      | 0.64     | *V | 0.0016       | 0.0623       |
| 116    | 18.384     |                | 46561.39      | 0.32     | *V | 0.0008       | 0.0310       |
| 117    | 18.574     |                | 70291.63      | 0.48     | *V | 0.0012       | 0.0469       |
| 118    | 18.650     |                | 34944.06      | 0.24     | *V | 0.0006       | 0.0233       |
| 119    | 18.789     |                | 133804.91     | 0.91     | *V | 0.0022       | 0.0892       |
| 120    | 19.077     |                | 56128.63      | 0.38     | *V | 0.0009       | 0.0374       |
| 121    | 19.223     |                | 57745.74      | 0.39     | *V | 0.0010       | 0.0385       |
| 122    | 19.349     |                | 78636.98      | 0.54     | *V | 0.0013       | 0.0524       |
| 123    | 19.529     |                | 171608.25     | 1.17     | *V | 0.0029       | 0.1144       |
| 124    | 19.897     |                | 58976.69      | 0.40     | *V | 0.0010       | 0.0393       |
| 125    | 20.121     |                | 64836.04      | 0.44     | *V | 0.0011       | 0.0432       |
| 126    | 20.243     | n-Pentacosane  | 2923663.85    | 19.91    | *V | 2.2871       | 91.4855      |
| 127    | 20.483     |                | 71668.60      | 0.49     | *E | 0.0012       | 0.0478       |
| 128    | 20.668     |                | 90303.54      | 0.61     | *V | 0.0015       | 0.0602       |
| 129    | 20.924     |                | 235139.64     | 1.60     | *V | 0.0039       | 0.1568       |

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|----|--------------|--------------|
| 130    | 21.584     |                | 98886.36      | 0.67     | *V | 0.0016       | 0.0659       |
| 131    | 21.974     |                | 102427.94     | 0.70     | *V | 0.0017       | 0.068        |
| 132    | 22.205     |                | 116294.94     | 0.79     | *V | 0.0019       | 0.077        |
| 133    | 22.488     |                | 77035.81      | 0.52     | *V | 0.0013       | 0.0514       |
| 134    | 22.643     |                | 32175.84      | 0.22     | *V | 0.0005       | 0.021        |
| 135    | 22.746     |                | 24290.75      | 0.17     | *V | 0.0004       | 0.016        |
| 136    | 22.832     |                | 75519.32      | 0.51     | *V | 0.0013       | 0.0503       |
| 137    | 23.066     |                | 11565.80      | 0.08     | *V | 0.0002       | 0.0077       |
| 138    | 23.127     |                | 34768.07      | 0.24     | *V | 0.0006       | 0.023        |
| 139    | 23.241     |                | 47131.97      | 0.32     | *V | 0.0008       | 0.031        |
| 140    | 23.428     |                | 46402.23      | 0.32     | *V | 0.0008       | 0.0309       |
| 141    | 23.717     |                | 112314.26     | 0.76     | *V | 0.0019       | 0.074        |
| 142    | 24.002     |                | 235412.56     | 1.60     | *V | 0.0039       | 0.156        |
| 143    | 24.827     |                | 208427.17     | 1.42     | *V | 0.0035       | 0.1390       |
| 144    | 25.783     |                | 99020.78      | 0.67     | *V | 0.0017       | 0.0660       |
| 145    | 26.296     |                | 278206.89     | 1.89     | *V | 0.0046       | 0.185        |
| 146    | 28.218     |                | 657613.70     | 4.48     | *V | 0.0110       | 0.438        |
| 147    | 33.105     |                | 24736.48      | 0.17     | *V | 0.0004       | 0.0165       |

14686696.87 100.00

Report Stored in ASCII File: S:\GHP\_05\0402\331A036.TX1

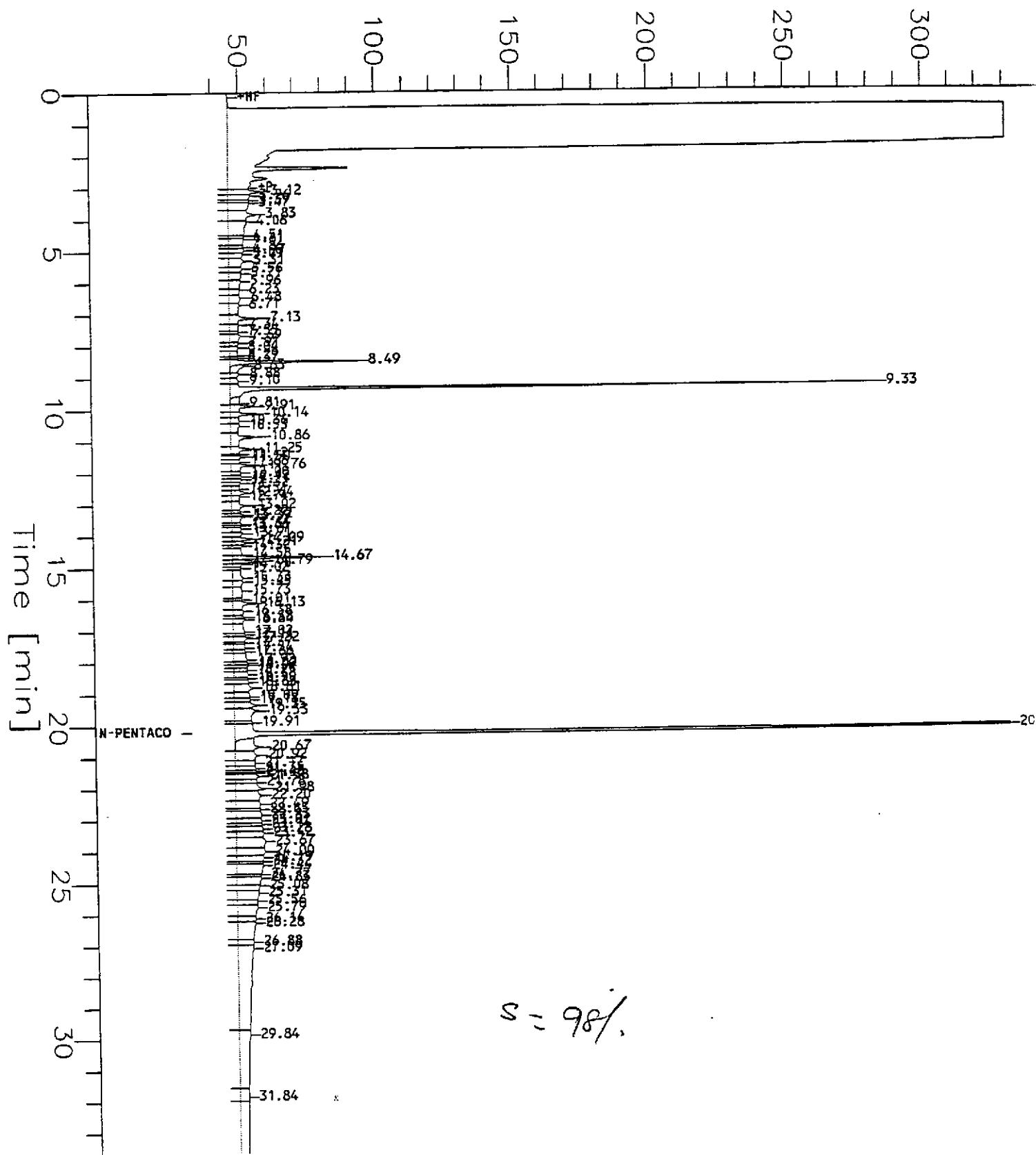
## Chromatogram

Sample Name : D9503176-2 (500:1)  
FileName : s:\ghp\_05\0402\331A035.raw  
Method : ETPH05A.ins  
Start Time : 0.00 min End Time : 33.67 min  
Scale Factor: -1.0 Plot Offset: 31 mV

Sample #: MW-3  
Date : 4/1/95 09:03  
Time of Injection: 4/1/95 08:29  
Low Point : 30.94 mV High Point : 330.94 mV  
Plot Scale: 300.0 mV

Page 1 of 1

Response [mV]



=====  
Software Version: 3.3 <4B11>  
Sample Name : D9503I76-2 (500:1) Time : 4/1/95 09:03  
Sample Number: MW-3 Study : EKI  
Operator : TO

Instrument : GCHP\_05 Channel : A A/D mV Range : 1024  
AutoSampler : HP7673A  
Rack/Vial : 1/35

Interface Serial # : Data Acquisition Time: 4/1/95 08:29  
Delay Time : 0.00 min.  
End Time : 33.67 min.  
Sampling Rate : 1.2500 pts/sec

Raw Data File : S:\GHP\_05\0402\331A035.RAW  
Result File : S:\GHP\_05\0402\331A035.RST  
Instrument File: S:\GHP\_05\MET\_SEQ\ETPH05A.ins  
Process File : S:\GHP\_05\MET\_SEQ\ETPH05A  
Sample File : S:\GHP\_05\MET\_SEQ\ETPH05A  
Sequence File : S:\GHP\_05\MET\_SEQ\H050331.seq

Inj. Volume : 3 ul Area Reject : 0.000000  
Sample Amount : 1.0000 Dilution Factor : 1.00

=====

Extractable TPH GCHP\_05A

| Peak # | Time [min] | Component Name       | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------------|---------------|----------|----|--------------|--------------|
|        | 8.250      | n-C9 to n-C17 Jet    | 3412857.48    | 11.73    |    | 0.0569       | 2.2752       |
|        | 11.250     | n-C9 to n-C24 TPH-D  | 5006646.05    | 17.20    |    | 3.7090       | 148.3581     |
|        | 16.750     | n-C9 to n-C40 Total  | 12123614.88   | 41.66    |    | 0.2021       | 8.082        |
|        | 19.875     | n-C16 to n-C36 M/Oil | 8559750.88    | 29.41    |    | 0.1427       | 5.706        |
|        |            |                      | 29102869.30   | 100.00   |    |              |              |

Report Stored in ASCII File: S:\GHP\_05\0402\331A035.TXO

=====

Extractable TPH GCHP\_05A

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|----|--------------|--------------|
| 1      | 3.122      |                | 97053.84      | 0.80     | *B | 0.0016       | 0.0647       |
| 2      | 3.255      |                | 72852.74      | 0.60     | *V | 0.0012       | 0.0486       |
| 3      | 3.394      |                | 36020.31      | 0.30     | *V | 0.0006       | 0.024        |
| 4      | 3.472      |                | 108625.89     | 0.89     | *V | 0.0018       | 0.0721       |
| 5      | 3.833      |                | 139683.91     | 1.14     | *V | 0.0023       | 0.0931       |
| 6      | 4.062      |                | 166035.59     | 1.36     | *V | 0.0028       | 0.110        |
| 7      | 4.513      |                | 30621.85      | 0.25     | *V | 0.0005       | 0.020        |
| 8      | 4.611      |                | 71382.80      | 0.58     | *V | 0.0012       | 0.0476       |
| 9      | 4.862      |                | 29621.36      | 0.24     | *V | 0.0005       | 0.0197       |
| 10     | 4.974      |                | 47129.55      | 0.39     | *V | 0.0008       | 0.031        |
| 11     | 5.094      |                | 46180.07      | 0.38     | *V | 0.0008       | 0.0308       |
| 12     | 5.311      |                | 84578.47      | 0.69     | *V | 0.0014       | 0.0564       |
| 13     | 5.564      |                | 43291.45      | 0.35     | *V | 0.0007       | 0.028        |

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|----|--------------|--------------|
| 14     | 5.712      |                | 64264.06      | 0.53     | *V | 0.0011       | 0.0428       |
| 15     | 5.963      |                | 65227.95      | 0.53     | *V | 0.0011       | 0.0435       |
| 16     | 6.229      |                | 40516.85      | 0.33     | *V | 0.0007       | 0.0270       |
| 17     | 6.478      |                | 59742.77      | 0.49     | *V | 0.0010       | 0.0398       |
| 18     | 6.712      |                | 68302.64      | 0.56     | *V | 0.0011       | 0.0455       |
| 19     | 7.130      |                | 84774.62      | 0.69     | *V | 0.0014       | 0.0565       |
| 20     | 7.336      |                | 39449.15      | 0.32     | *V | 0.0007       | 0.0263       |
| 21     | 7.547      |                | 19539.40      | 0.16     | *V | 0.0003       | 0.0130       |
| 22     | 7.685      |                | 51499.32      | 0.42     | *V | 0.0009       | 0.0343       |
| 23     | 7.911      |                | 21583.36      | 0.18     | *V | 0.0004       | 0.0144       |
| 24     | 8.041      |                | 26624.34      | 0.22     | *V | 0.0004       | 0.0177       |
| 25     | 8.290      |                | 28611.68      | 0.23     | *V | 0.0005       | 0.0191       |
| 26     | 8.372      |                | 13963.16      | 0.11     | *V | 0.0002       | 0.0093       |
| 27     | 8.487      |                | 164595.23     | 1.35     | *V | 0.0027       | 0.1097       |
| 28     | 8.625      |                | 52785.87      | 0.43     | *E | 0.0009       | 0.0352       |
| 29     | 8.880      |                | 27722.53      | 0.23     | *V | 0.0005       | 0.0185       |
| 30     | 9.103      |                | 28911.39      | 0.24     | *V | 0.0005       | 0.0193       |
| 31     | 9.334      |                | 725539.09     | 5.94     | *V | 0.0121       | 0.4837       |
| 32     | 9.805      |                | 46538.05      | 0.38     | *E | 0.0008       | 0.0310       |
| 33     | 9.909      |                | 61146.27      | 0.50     | *V | 0.0010       | 0.0408       |
| 34     | 10.141     |                | 54310.14      | 0.44     | *V | 0.0009       | 0.0362       |
| 35     | 10.364     |                | 36273.46      | 0.30     | *V | 0.0006       | 0.0242       |
| 36     | 10.527     |                | 47645.67      | 0.39     | *V | 0.0008       | 0.0318       |
| 37     | 10.864     |                | 102130.40     | 0.84     | *V | 0.0017       | 0.0681       |
| 38     | 11.252     |                | 59300.62      | 0.49     | *V | 0.0010       | 0.0395       |
| 39     | 11.415     |                | 10075.46      | 0.08     | *V | 0.0002       | 0.0067       |
| 40     | 11.504     |                | 26900.07      | 0.22     | *V | 0.0004       | 0.0179       |
| 41     | 11.656     |                | 22267.57      | 0.18     | *V | 0.0004       | 0.0148       |
| 42     | 11.756     |                | 66138.79      | 0.54     | *V | 0.0011       | 0.0441       |
| 43     | 11.999     |                | 24046.53      | 0.20     | *V | 0.0004       | 0.0160       |
| 44     | 12.120     |                | 24862.99      | 0.20     | *V | 0.0004       | 0.0166       |
| 45     | 12.213     |                | 21781.80      | 0.18     | *V | 0.0004       | 0.0145       |
| 46     | 12.324     |                | 19396.69      | 0.16     | *V | 0.0003       | 0.0129       |
| 47     | 12.508     |                | 24816.06      | 0.20     | *V | 0.0004       | 0.0165       |
| 48     | 12.636     |                | 41413.53      | 0.34     | *V | 0.0007       | 0.0276       |
| 49     | 12.741     |                | 29365.78      | 0.24     | *V | 0.0005       | 0.0196       |
| 50     | 13.023     |                | 57517.84      | 0.47     | *V | 0.0010       | 0.0383       |
| 51     | 13.219     |                | 19693.07      | 0.16     | *V | 0.0003       | 0.0131       |
| 52     | 13.324     |                | 20829.26      | 0.17     | *V | 0.0003       | 0.0139       |
| 53     | 13.386     |                | 39676.16      | 0.33     | *V | 0.0007       | 0.0265       |
| 54     | 13.610     |                | 16224.70      | 0.13     | *V | 0.0003       | 0.0108       |
| 55     | 13.663     |                | 12916.76      | 0.11     | *V | 0.0002       | 0.0086       |
| 56     | 13.772     |                | 31369.07      | 0.26     | *V | 0.0005       | 0.0209       |
| 57     | 13.914     |                | 30297.79      | 0.25     | *V | 0.0005       | 0.0202       |
| 58     | 14.088     |                | 40641.96      | 0.33     | *V | 0.0007       | 0.0271       |
| 59     | 14.206     |                | 32150.71      | 0.26     | *V | 0.0005       | 0.0214       |
| 60     | 14.315     |                | 22065.18      | 0.18     | *V | 0.0004       | 0.0147       |
| 61     | 14.581     |                | 45325.98      | 0.37     | *V | 0.0008       | 0.0302       |
| 62     | 14.672     |                | 114395.34     | 0.94     | *V | 0.0019       | 0.0763       |
| 63     | 14.794     |                | 48240.10      | 0.40     | *V | 0.0008       | 0.0322       |
| 64     | 14.895     |                | 23443.94      | 0.19     | *V | 0.0004       | 0.0156       |
| 65     | 15.018     |                | 16424.67      | 0.13     | *V | 0.0003       | 0.0109       |
| 66     | 15.329     |                | 60245.51      | 0.49     | *V | 0.0010       | 0.0402       |
| 67     | 15.445     |                | 43387.61      | 0.36     | *V | 0.0007       | 0.0289       |
| 68     | 15.731     |                | 67670.33      | 0.55     | *V | 0.0011       | 0.0451       |
| 69     | 16.006     |                | 18097.00      | 0.15     | *V | 0.0003       | 0.0121       |
| 70     | 16.132     |                | 74748.64      | 0.61     | *V | 0.0012       | 0.0498       |
| 71     | 16.383     |                | 37564.47      | 0.31     | *V | 0.0006       | 0.0250       |

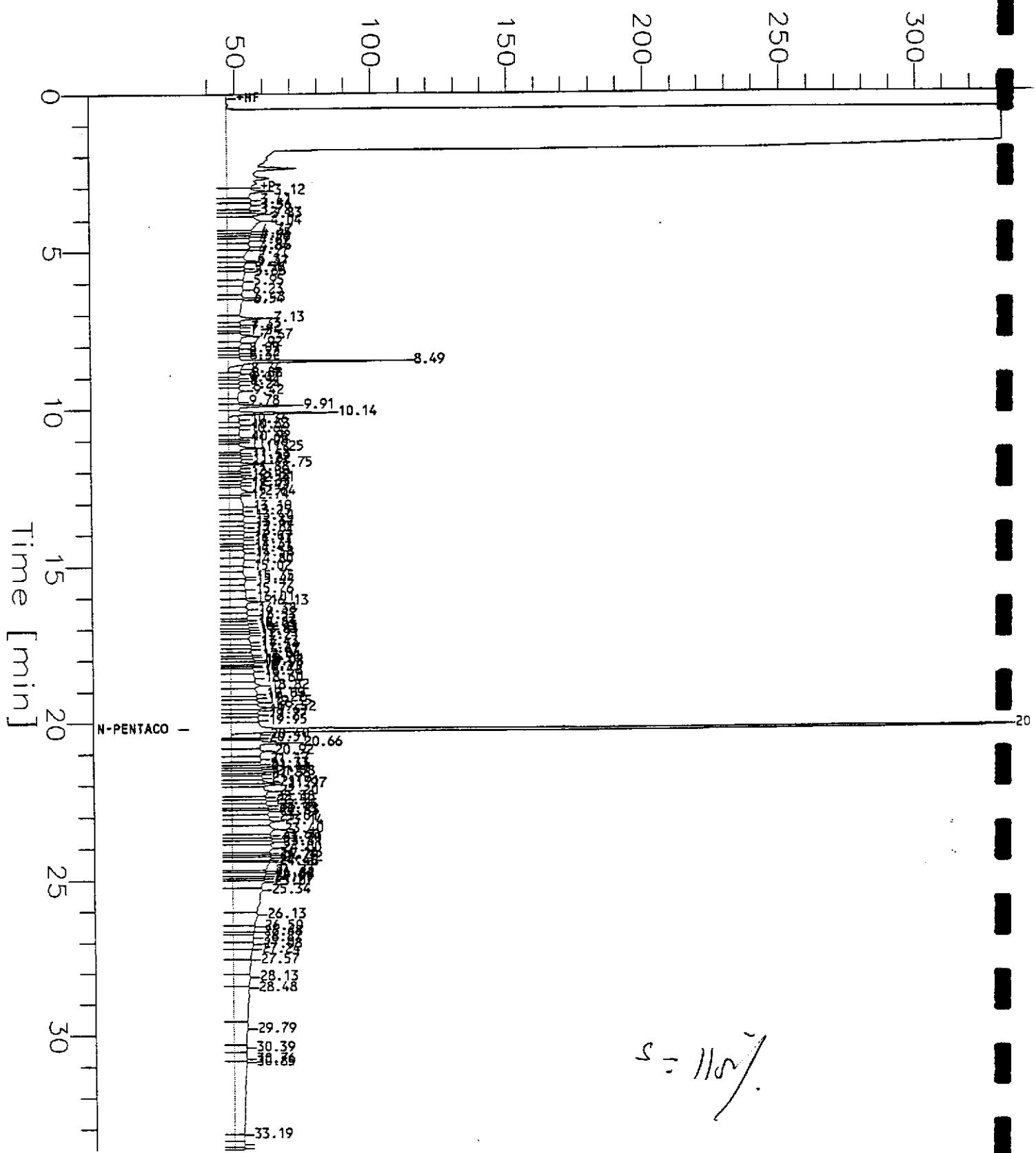
| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|----|--------------|--------------|
| 72     | 16.575     |                | 24993.58      | 0.20     | *V | 0.0004       | 0.0167       |
| 73     | 16.640     |                | 36321.28      | 0.30     | *V | 0.0006       | 0.0242       |
| 74     | 17.019     |                | 65666.41      | 0.54     | *V | 0.0011       | 0.0438       |
| 75     | 17.109     |                | 27476.64      | 0.23     | *V | 0.0005       | 0.0183       |
| 76     | 17.220     |                | 48932.22      | 0.40     | *V | 0.0008       | 0.0326       |
| 77     | 17.370     |                | 16110.56      | 0.13     | *V | 0.0003       | 0.0107       |
| 78     | 17.543     |                | 42249.38      | 0.35     | *V | 0.0007       | 0.0282       |
| 79     | 17.664     |                | 30354.42      | 0.25     | *V | 0.0005       | 0.0202       |
| 80     | 17.916     |                | 73207.41      | 0.60     | *V | 0.0012       | 0.0488       |
| 81     | 18.020     |                | 28369.88      | 0.23     | *V | 0.0005       | 0.0189       |
| 82     | 18.087     |                | 31897.69      | 0.26     | *V | 0.0005       | 0.0213       |
| 83     | 18.251     |                | 34594.37      | 0.28     | *V | 0.0006       | 0.0231       |
| 84     | 18.381     |                | 55879.05      | 0.46     | *V | 0.0009       | 0.0373       |
| 85     | 18.501     |                | 20255.88      | 0.17     | *V | 0.0003       | 0.0135       |
| 86     | 18.630     |                | 41734.41      | 0.34     | *V | 0.0007       | 0.0278       |
| 87     | 18.805     |                | 93698.20      | 0.77     | *V | 0.0016       | 0.0625       |
| 88     | 19.090     |                | 57787.44      | 0.47     | *V | 0.0010       | 0.0385       |
| 89     | 19.182     |                | 41242.26      | 0.34     | *V | 0.0007       | 0.0275       |
| 90     | 19.349     |                | 87807.73      | 0.72     | *V | 0.0015       | 0.0585       |
| 91     | 19.529     |                | 156118.40     | 1.28     | *V | 0.0026       | 0.1041       |
| 92     | 19.906     |                | 40523.61      | 0.33     | *V | 0.0007       | 0.0270       |
| 93     | 20.241     | n-Pentacosane  | 2515113.42    | 20.61    | *V | 1.9675       | 78.7014      |
| 94     | 20.665     |                | 156953.61     | 1.29     | *E | 0.0026       | 0.1046       |
| 95     | 20.923     |                | 135001.68     | 1.11     | *V | 0.0023       | 0.0900       |
| 96     | 21.171     |                | 74873.63      | 0.61     | *V | 0.0012       | 0.0499       |
| 97     | 21.345     |                | 59148.47      | 0.48     | *V | 0.0010       | 0.0394       |
| 98     | 21.426     |                | 30550.56      | 0.25     | *V | 0.0005       | 0.0204       |
| 99     | 21.482     |                | 24485.24      | 0.20     | *V | 0.0004       | 0.0163       |
| 100    | 21.583     |                | 84309.89      | 0.69     | *V | 0.0014       | 0.0562       |
| 101    | 21.780     |                | 56010.92      | 0.46     | *V | 0.0009       | 0.0371       |
| 102    | 21.979     |                | 118489.01     | 0.97     | *V | 0.0020       | 0.0790       |
| 103    | 22.200     |                | 173122.96     | 1.42     | *V | 0.0029       | 0.1154       |
| 104    | 22.489     |                | 127111.23     | 1.04     | *V | 0.0021       | 0.0847       |
| 105    | 22.652     |                | 42532.00      | 0.35     | *V | 0.0007       | 0.0284       |
| 106    | 22.833     |                | 132592.71     | 1.09     | *V | 0.0022       | 0.0884       |
| 107    | 23.012     |                | 89478.53      | 0.73     | *V | 0.0015       | 0.0597       |
| 108    | 23.139     |                | 52996.56      | 0.43     | *V | 0.0009       | 0.0351       |
| 109    | 23.280     |                | 101085.02     | 0.83     | *V | 0.0017       | 0.0671       |
| 110    | 23.415     |                | 110235.23     | 0.90     | *V | 0.0018       | 0.0735       |
| 111    | 23.672     |                | 207003.14     | 1.70     | *V | 0.0035       | 0.1380       |
| 112    | 24.002     |                | 147961.79     | 1.21     | *V | 0.0025       | 0.0981       |
| 113    | 24.190     |                | 109738.87     | 0.90     | *V | 0.0018       | 0.0732       |
| 114    | 24.319     |                | 38924.48      | 0.32     | *V | 0.0006       | 0.0259       |
| 115    | 24.439     |                | 188452.88     | 1.54     | *V | 0.0031       | 0.1251       |
| 116    | 24.720     |                | 42487.61      | 0.35     | *V | 0.0007       | 0.0281       |
| 117    | 24.825     |                | 138959.52     | 1.14     | *V | 0.0023       | 0.0926       |
| 118    | 25.077     |                | 84702.44      | 0.69     | *V | 0.0014       | 0.0566       |
| 119    | 25.313     |                | 136788.79     | 1.12     | *V | 0.0023       | 0.0911       |
| 120    | 25.564     |                | 77195.36      | 0.63     | *V | 0.0013       | 0.0515       |
| 121    | 25.789     |                | 152381.31     | 1.25     | *V | 0.0025       | 0.1016       |
| 122    | 26.142     |                | 74608.10      | 0.61     | *V | 0.0012       | 0.0491       |
| 123    | 26.281     |                | 212158.90     | 1.74     | *V | 0.0035       | 0.1411       |
| 124    | 26.882     |                | 60009.70      | 0.49     | *V | 0.0010       | 0.0400       |
| 125    | 27.090     |                | 761148.36     | 6.24     | *V | 0.0127       | 0.5071       |
| 126    | 29.840     |                | 403714.91     | 3.31     | *V | 0.0067       | 0.2691       |
| 127    | 31.842     |                | 82456.84      | 0.68     | *V | 0.0014       | 0.0550       |

Chromatogram

Sample Name : D9503176-1 (500:1)  
FileName : s:\ghp\_05\0402\331A032.raw  
Method : ETPH05A.ins  
Start Time : 0.00 min End Time : 33.67 min  
Scale Factor: -1.0 Plot Offset: 32 mV

Sample #: MW-4 Page 1 of 1  
Date : 4/1/95 07:00  
Time of Injection: 4/1/95 06:26  
Low Point : 31.53 mV High Point : 331.53 mV  
Plot Scale: 300.0 mV

Response [mV]



=====  
Software Version: 3.3 <4B11>  
Sample Name : D9503I76-1 (500:1)  
Sample Number: MW-4  
Operator : TO

Time : 4/1/95 07:00  
Study : EKI

Instrument : GCHP\_05 Channel : A A/D mV Range : 1024  
AutoSampler : HP7673A  
Rack/Vial : 1/32

Interface Serial # : Data Acquisition Time: 4/1/95 06:26  
Delay Time : 0.00 min.  
End Time : 33.67 min.  
Sampling Rate : 1.2500 pts/sec

Raw Data File : S:\GHP\_05\0402\331A032.RAW  
Result File : S:\GHP\_05\0402\331A032.RST  
Instrument File: S:\GHP\_05\MET\_SEQ\ETPH05A.ins  
Process File : S:\GHP\_05\MET\_SEQ\ETPH05A  
Sample File : S:\GHP\_05\MET\_SEQ\ETPH05A  
Sequence File : S:\GHP\_05\MET\_SEQ\H050331.seq

Inj. Volume : 3 ul Area Reject : 0.000000  
Sample Amount : 1.0000 Dilution Factor : 1.00

=====  
Extractable TPH GCHP\_05A

| Peak # | Time [min] | Component Name       | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------------|---------------|----------|----|--------------|--------------|
|        | 8.250      | n-C9 to n-C17 Jet    | 3890939.71    | 10.68    |    | 0.0648       | 2.5940       |
|        | 11.250     | n-C9 to n-C24 TPH-D  | 6254925.98    | 17.17    |    | 4.6337       | 185.3475     |
|        | 16.750     | n-C9 to n-C40 Total  | 15376569.56   | 42.22    |    | 0.2563       | 10.2510      |
|        | 19.875     | n-C16 to n-C36 M/Oil | 10900013.28   | 29.93    |    | 0.1817       | 7.2667       |
|        |            |                      | 36422448.53   | 100.00   |    |              |              |

Report Stored in ASCII File: S:\GHP\_05\0402\331A032.TX0

=====  
Extractable TPH GCHP\_05A

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|----|--------------|--------------|
| 1      | 3.121      |                | 182798.22     | 1.13 *B  |    | 0.0030       | 0.1219       |
| 2      | 3.408      |                | 75263.62      | 0.47 *V  |    | 0.0013       | 0.0502       |
| 3      | 3.555      |                | 107861.97     | 0.67 *V  |    | 0.0018       | 0.0719       |
| 4      | 3.723      |                | 47526.68      | 0.29 *V  |    | 0.0008       | 0.0317       |
| 5      | 3.830      |                | 75602.22      | 0.47 *V  |    | 0.0013       | 0.0504       |
| 6      | 4.041      |                | 271793.91     | 1.69 *V  |    | 0.0045       | 0.1812       |
| 7      | 4.367      |                | 49057.20      | 0.30 *V  |    | 0.0008       | 0.0327       |
| 8      | 4.451      |                | 40844.87      | 0.25 *V  |    | 0.0007       | 0.0272       |
| 9      | 4.555      |                | 38827.30      | 0.24 *V  |    | 0.0006       | 0.0259       |
| 10     | 4.668      |                | 70046.26      | 0.43 *V  |    | 0.0012       | 0.0467       |
| 11     | 4.858      |                | 101623.97     | 0.63 *V  |    | 0.0017       | 0.0677       |
| 12     | 4.974      |                | 92607.03      | 0.57 *V  |    | 0.0015       | 0.0617       |
| 13     | 5.307      |                | 69376.08      | 0.43 *V  |    | 0.0012       | 0.0463       |

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|----|--------------|--------------|
| 14     | 5.372      |                | 56626.64      | 0.35     | *V | 0.0009       | 0.0378       |
| 15     | 5.555      |                | 44442.05      | 0.28     | *V | 0.0007       | 0.0296       |
| 16     | 5.662      |                | 101894.21     | 0.63     | *V | 0.0017       | 0.0679       |
| 17     | 5.953      |                | 68089.78      | 0.42     | *V | 0.0011       | 0.0454       |
| 18     | 6.232      |                | 86606.62      | 0.54     | *V | 0.0014       | 0.0577       |
| 19     | 6.475      |                | 53698.88      | 0.33     | *V | 0.0009       | 0.0358       |
| 20     | 6.544      |                | 144085.44     | 0.89     | *V | 0.0024       | 0.0961       |
| 21     | 7.128      |                | 90272.80      | 0.56     | *V | 0.0015       | 0.0602       |
| 22     | 7.331      |                | 35888.18      | 0.22     | *V | 0.0006       | 0.0239       |
| 23     | 7.417      |                | 35764.48      | 0.22     | *V | 0.0006       | 0.0238       |
| 24     | 7.542      |                | 17614.80      | 0.11     | *V | 0.0003       | 0.0117       |
| 25     | 7.673      |                | 91170.63      | 0.57     | *V | 0.0015       | 0.0608       |
| 26     | 7.915      |                | 49750.47      | 0.31     | *V | 0.0008       | 0.0331       |
| 27     | 8.089      |                | 22421.63      | 0.14     | *V | 0.0004       | 0.0149       |
| 28     | 8.220      |                | 32004.82      | 0.20     | *V | 0.0005       | 0.0213       |
| 29     | 8.317      |                | 19909.50      | 0.12     | *V | 0.0003       | 0.0131       |
| 30     | 8.487      |                | 252295.58     | 1.56     | *V | 0.0042       | 0.1681       |
| 31     | 8.736      |                | 54562.66      | 0.34     | *E | 0.0009       | 0.0364       |
| 32     | 8.880      |                | 37424.95      | 0.23     | *V | 0.0006       | 0.0249       |
| 33     | 9.019      |                | 17952.51      | 0.11     | *V | 0.0003       | 0.0121       |
| 34     | 9.110      |                | 28740.87      | 0.18     | *V | 0.0005       | 0.0192       |
| 35     | 9.238      |                | 36138.15      | 0.22     | *V | 0.0006       | 0.0241       |
| 36     | 9.422      |                | 78698.71      | 0.49     | *V | 0.0013       | 0.0521       |
| 37     | 9.775      |                | 37838.92      | 0.23     | *V | 0.0006       | 0.0251       |
| 38     | 9.910      |                | 111064.83     | 0.69     | *V | 0.0019       | 0.0740       |
| 39     | 10.139     |                | 142109.71     | 0.88     | *V | 0.0024       | 0.0947       |
| 40     | 10.359     |                | 45386.68      | 0.28     | *E | 0.0008       | 0.0301       |
| 41     | 10.532     |                | 39457.44      | 0.24     | *V | 0.0007       | 0.0263       |
| 42     | 10.662     |                | 55178.77      | 0.34     | *V | 0.0009       | 0.0368       |
| 43     | 10.919     |                | 37355.57      | 0.23     | *V | 0.0006       | 0.0241       |
| 44     | 10.999     |                | 15988.12      | 0.10     | *V | 0.0003       | 0.0101       |
| 45     | 11.083     |                | 18571.42      | 0.12     | *V | 0.0003       | 0.0124       |
| 46     | 11.250     |                | 78533.68      | 0.49     | *V | 0.0013       | 0.0521       |
| 47     | 11.416     |                | 20612.33      | 0.13     | *V | 0.0003       | 0.0131       |
| 48     | 11.505     |                | 28099.00      | 0.17     | *V | 0.0005       | 0.0187       |
| 49     | 11.615     |                | 35367.34      | 0.22     | *V | 0.0006       | 0.0236       |
| 50     | 11.753     |                | 55123.16      | 0.34     | *V | 0.0009       | 0.0361       |
| 51     | 11.878     |                | 36717.15      | 0.23     | *V | 0.0006       | 0.0241       |
| 52     | 12.004     |                | 20114.95      | 0.12     | *V | 0.0003       | 0.0134       |
| 53     | 12.122     |                | 32372.37      | 0.20     | *V | 0.0005       | 0.0211       |
| 54     | 12.214     |                | 37082.78      | 0.23     | *V | 0.0006       | 0.0241       |
| 55     | 12.333     |                | 27898.52      | 0.17     | *V | 0.0005       | 0.0186       |
| 56     | 12.431     |                | 23729.23      | 0.15     | *V | 0.0004       | 0.0158       |
| 57     | 12.636     |                | 74140.06      | 0.46     | *V | 0.0012       | 0.0491       |
| 58     | 12.744     |                | 23876.27      | 0.15     | *V | 0.0004       | 0.0151       |
| 59     | 13.097     |                | 101987.82     | 0.63     | *V | 0.0017       | 0.0680       |
| 60     | 13.251     |                | 46728.20      | 0.29     | *V | 0.0008       | 0.0311       |
| 61     | 13.399     |                | 66321.67      | 0.41     | *V | 0.0011       | 0.0441       |
| 62     | 13.615     |                | 50736.29      | 0.31     | *V | 0.0008       | 0.0338       |
| 63     | 13.773     |                | 50545.12      | 0.31     | *V | 0.0008       | 0.0337       |
| 64     | 13.914     |                | 42534.04      | 0.26     | *V | 0.0007       | 0.0281       |
| 65     | 14.067     |                | 36328.81      | 0.23     | *V | 0.0006       | 0.0241       |
| 66     | 14.166     |                | 44824.39      | 0.28     | *V | 0.0007       | 0.0299       |
| 67     | 14.313     |                | 29126.02      | 0.18     | *V | 0.0005       | 0.0191       |
| 68     | 14.434     |                | 35971.59      | 0.22     | *V | 0.0006       | 0.0241       |
| 69     | 14.575     |                | 75281.22      | 0.47     | *V | 0.0013       | 0.0502       |
| 70     | 14.797     |                | 81267.73      | 0.50     | *V | 0.0014       | 0.0542       |
| 71     | 15.022     |                | 50830.67      | 0.32     | *V | 0.0008       | 0.0331       |

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|----|--------------|--------------|
| 72     | 15.347     |                | 71243.79      | 0.44     | *V | 0.0012       | 0.0475       |
| 73     | 15.436     |                | 66455.33      | 0.41     | *V | 0.0011       | 0.0443       |
| 74     | 15.756     |                | 60202.53      | 0.37     | *V | 0.0010       | 0.0401       |
| 75     | 16.011     |                | 92281.95      | 0.57     | *V | 0.0015       | 0.0615       |
| 76     | 16.132     |                | 103972.99     | 0.64     | *V | 0.0017       | 0.0693       |
| 77     | 16.375     |                | 68600.55      | 0.43     | *V | 0.0011       | 0.0457       |
| 78     | 16.571     |                | 70307.58      | 0.44     | *V | 0.0012       | 0.0469       |
| 79     | 16.717     |                | 29641.51      | 0.18     | *V | 0.0005       | 0.0198       |
| 80     | 16.830     |                | 40304.00      | 0.25     | *V | 0.0007       | 0.0269       |
| 81     | 16.933     |                | 47525.66      | 0.29     | *V | 0.0008       | 0.0317       |
| 82     | 17.031     |                | 38182.37      | 0.24     | *V | 0.0006       | 0.0255       |
| 83     | 17.111     |                | 39594.79      | 0.25     | *V | 0.0007       | 0.0264       |
| 84     | 17.205     |                | 61141.55      | 0.38     | *V | 0.0010       | 0.0408       |
| 85     | 17.431     |                | 78411.51      | 0.49     | *V | 0.0013       | 0.0523       |
| 86     | 17.536     |                | 59224.48      | 0.37     | *V | 0.0010       | 0.0395       |
| 87     | 17.666     |                | 53566.37      | 0.33     | *V | 0.0009       | 0.0357       |
| 88     | 17.842     |                | 55403.35      | 0.34     | *V | 0.0009       | 0.0369       |
| 89     | 17.911     |                | 38653.60      | 0.24     | *V | 0.0006       | 0.0258       |
| 90     | 18.011     |                | 48797.03      | 0.30     | *V | 0.0008       | 0.0325       |
| 91     | 18.078     |                | 54210.67      | 0.34     | *V | 0.0009       | 0.0361       |
| 92     | 18.173     |                | 26040.63      | 0.16     | *V | 0.0004       | 0.0174       |
| 93     | 18.233     |                | 32526.17      | 0.20     | *V | 0.0005       | 0.0217       |
| 94     | 18.377     |                | 86098.92      | 0.53     | *V | 0.0014       | 0.0574       |
| 95     | 18.596     |                | 122790.30     | 0.76     | *V | 0.0020       | 0.0819       |
| 96     | 18.819     |                | 130239.86     | 0.81     | *V | 0.0022       | 0.0868       |
| 97     | 19.093     |                | 132594.88     | 0.82     | *V | 0.0022       | 0.0884       |
| 98     | 19.223     |                | 60532.33      | 0.38     | *V | 0.0010       | 0.0404       |
| 99     | 19.350     |                | 97995.67      | 0.61     | *V | 0.0016       | 0.0653       |
| 100    | 19.523     |                | 105550.19     | 0.65     | *V | 0.0018       | 0.0704       |
| 101    | 19.612     |                | 79999.16      | 0.50     | *V | 0.0013       | 0.0533       |
| 102    | 19.769     |                | 63919.21      | 0.40     | *V | 0.0011       | 0.0426       |
| 103    | 19.947     |                | 103880.92     | 0.64     | *V | 0.0017       | 0.0693       |
| 104    | 20.236     | n-Pentacosane  | 2946877.59    | 18.28    | *V | 2.3053       | 92.2119      |
| 105    | 20.396     |                | 88268.25      | 0.55     | *E | 0.0015       | 0.0588       |
| 106    | 20.506     |                | 41325.92      | 0.26     | *V | 0.0007       | 0.0276       |
| 107    | 20.659     |                | 217482.88     | 1.35     | *V | 0.0036       | 0.1450       |
| 108    | 20.918     |                | 165817.89     | 1.03     | *V | 0.0028       | 0.1105       |
| 109    | 21.171     |                | 109737.34     | 0.68     | *V | 0.0018       | 0.0732       |
| 110    | 21.334     |                | 67424.06      | 0.42     | *V | 0.0011       | 0.0449       |
| 111    | 21.411     |                | 51874.52      | 0.32     | *V | 0.0009       | 0.0346       |
| 112    | 21.480     |                | 53173.70      | 0.33     | *V | 0.0009       | 0.0354       |
| 113    | 21.578     |                | 75056.89      | 0.47     | *V | 0.0013       | 0.0500       |
| 114    | 21.656     |                | 44462.33      | 0.28     | *V | 0.0007       | 0.0296       |
| 115    | 21.786     |                | 88563.36      | 0.55     | *V | 0.0015       | 0.0590       |
| 116    | 21.909     |                | 81644.46      | 0.51     | *V | 0.0014       | 0.0544       |
| 117    | 21.972     |                | 89502.89      | 0.56     | *V | 0.0015       | 0.0597       |
| 118    | 22.195     |                | 231593.08     | 1.44     | *V | 0.0039       | 0.1544       |
| 119    | 22.383     |                | 79396.06      | 0.49     | *V | 0.0013       | 0.0529       |
| 120    | 22.497     |                | 80703.27      | 0.50     | *V | 0.0013       | 0.0538       |
| 121    | 22.651     |                | 114678.72     | 0.71     | *V | 0.0019       | 0.0765       |
| 122    | 22.753     |                | 64196.85      | 0.40     | *V | 0.0011       | 0.0428       |
| 123    | 22.827     |                | 107591.86     | 0.67     | *V | 0.0018       | 0.0717       |
| 124    | 23.006     |                | 118780.42     | 0.74     | *V | 0.0020       | 0.0792       |
| 125    | 23.141     |                | 160397.37     | 0.99     | *V | 0.0027       | 0.1069       |
| 126    | 23.395     |                | 255781.30     | 1.59     | *V | 0.0043       | 0.1705       |
| 127    | 23.601     |                | 90732.43      | 0.56     | *V | 0.0015       | 0.0605       |
| 128    | 23.696     |                | 81445.00      | 0.51     | *V | 0.0014       | 0.0543       |
| 129    | 23.813     |                | 117431.64     | 0.73     | *V | 0.0020       | 0.0783       |

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|----|--------------|--------------|
| 130    | 23.996     |                | 205191.03     | 1.27     | *V | 0.0034       | 0.1368       |
| 131    | 24.162     |                | 65851.20      | 0.41     | *V | 0.0011       | 0.0431       |
| 132    | 24.235     |                | 55863.74      | 0.35     | *V | 0.0009       | 0.0371       |
| 133    | 24.317     |                | 91381.19      | 0.57     | *V | 0.0015       | 0.0609       |
| 134    | 24.399     |                | 43224.50      | 0.27     | *V | 0.0007       | 0.0288       |
| 135    | 24.456     |                | 206312.17     | 1.28     | *V | 0.0034       | 0.1371       |
| 136    | 24.733     |                | 48411.50      | 0.30     | *V | 0.0008       | 0.0323       |
| 137    | 24.821     |                | 86617.46      | 0.54     | *V | 0.0014       | 0.0577       |
| 138    | 24.904     |                | 47261.29      | 0.29     | *V | 0.0008       | 0.0311       |
| 139    | 24.972     |                | 55637.63      | 0.35     | *V | 0.0009       | 0.0371       |
| 140    | 25.070     |                | 149904.50     | 0.93     | *V | 0.0025       | 0.0999       |
| 141    | 25.342     |                | 460060.60     | 2.85     | *V | 0.0077       | 0.3067       |
| 142    | 26.131     |                | 216088.18     | 1.34     | *V | 0.0036       | 0.1441       |
| 143    | 26.504     |                | 86992.41      | 0.54     | *V | 0.0014       | 0.0580       |
| 144    | 26.678     |                | 47867.83      | 0.30     | *V | 0.0008       | 0.0319       |
| 145    | 26.869     |                | 98850.39      | 0.61     | *V | 0.0016       | 0.0651       |
| 146    | 27.077     |                | 97027.57      | 0.60     | *V | 0.0016       | 0.0641       |
| 147    | 27.241     |                | 131512.51     | 0.82     | *V | 0.0022       | 0.0877       |
| 148    | 27.573     |                | 176339.71     | 1.09     | *V | 0.0029       | 0.1176       |
| 149    | 28.131     |                | 140758.50     | 0.87     | *V | 0.0023       | 0.0931       |
| 150    | 28.477     |                | 357302.99     | 2.22     | *V | 0.0060       | 0.2382       |
| 151    | 29.786     |                | 213550.15     | 1.32     | *V | 0.0036       | 0.1424       |
| 152    | 30.392     |                | 62346.99      | 0.39     | *V | 0.0010       | 0.0411       |
| 153    | 30.759     |                | 79885.15      | 0.50     | *V | 0.0013       | 0.0531       |
| 154    | 30.852     |                | 563606.10     | 3.50     | *V | 0.0094       | 0.3757       |
| 155    | 33.187     |                | 45065.43      | 0.28     | *V | 0.0008       | 0.0301       |
| 156    | 33.485     |                | 42657.87      | 0.26     | *V | 0.0007       | 0.0281       |
| 157    | 33.613     |                | 17127.37      | 0.11     | *V | 0.0003       | 0.0114       |

16124911.48 100.00

Report Stored in ASCII File: S:\GHP\_05\0402\331A032.TX1

## Chromatogram

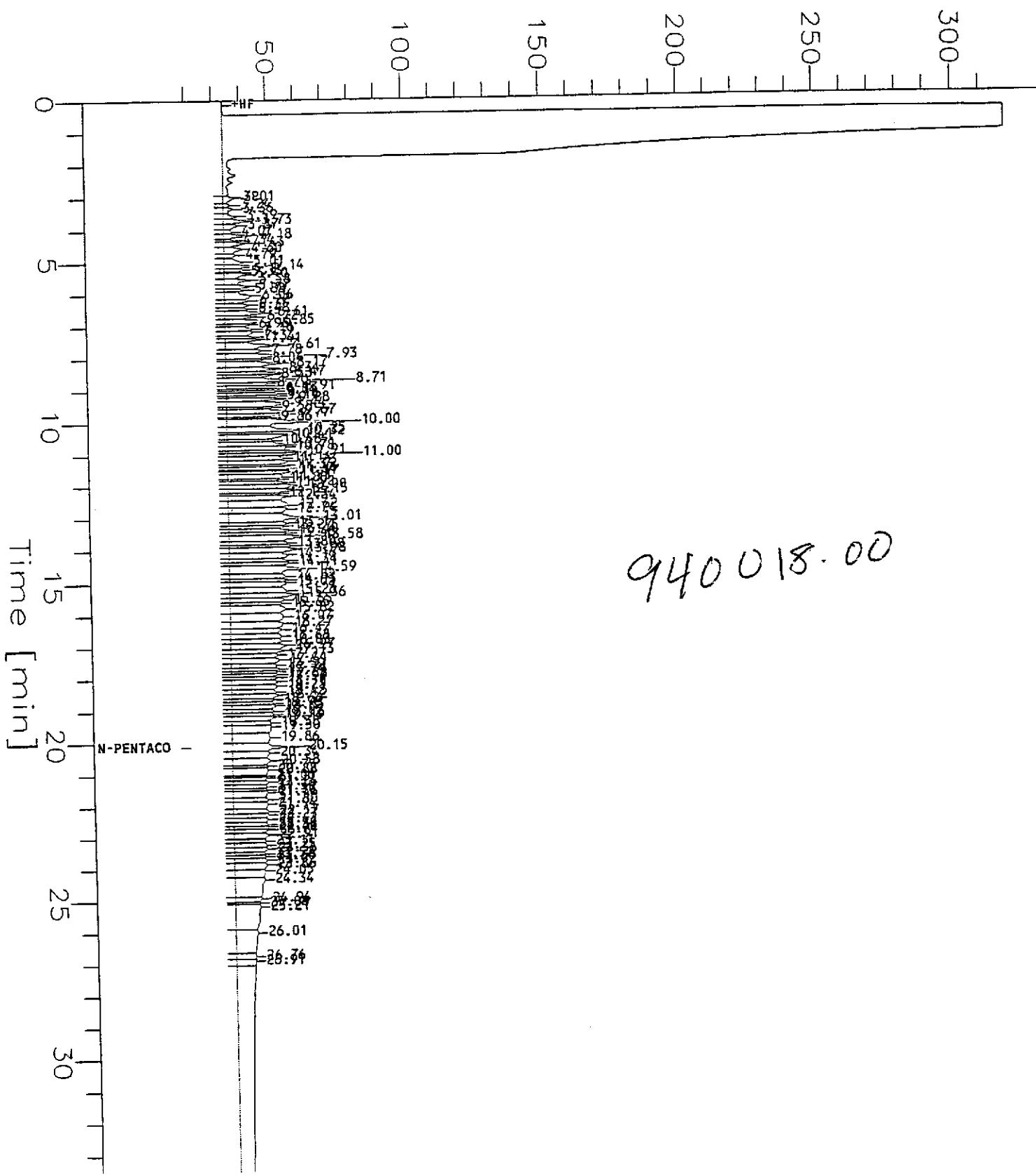
COPY

Page 1 of 1

Sample Name : D9503J63-4 (500:1\*50)RE-SHOT  
FileName : s:\ghp\_05\0409\405A044.raw  
Method : ETPH05A.ins  
Start Time : 0.00 min End Time : 33.67 min  
Scale Factor: -1.0 Plot Offset: 19 mV

Sample #: MW-5  
Date : 4/6/95 22:48  
Time of Injection: 4/6/95 22:14  
Low Point : 18.98 mV High Point : 318.98 mV  
Plot Scale: 300.0 mV

Response [mV]



=====  
Software Version: 3.3 <4B11>  
Sample Name : D9503J63-4 (500:1\*50)RE-SHOT Time : 4/6/95 22:48  
Sample Number: MW-5 Study : EKI  
Operator : NH

Instrument : GCHP\_05 Channel : A A/D mV Range : 1024  
AutoSampler : HP7673A  
Rack/Vial : 1/44

Interface Serial # : Data Acquisition Time: 4/6/95 22:14  
Delay Time : 0.00 min.  
End Time : 33.67 min.  
Sampling Rate : 1.2500 pts/sec

Raw Data File : S:\GHP\_05\0409\405A044.RAW  
Result File : S:\GHP\_05\0409\405A044.RST  
Instrument File: S:\GHP\_05\MET\_SEQ\ETPH05A.ins  
Process File : S:\GHP\_05\MET\_SEQ\ETPH05A  
Sample File : S:\GHP\_05\MET\_SEQ\ETPH05A  
Sequence File : S:\GHP\_05\MET\_SEQ\H050405.seq

Inj. Volume : 3 ul Area Reject : 0.000000  
Sample Amount : 1.0000 Dilution Factor : 1.00

=====  
Extractable TPH GCHP\_05A

| Peak # | Time [min] | Component Name       | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------------|---------------|----------|----|--------------|--------------|
|        | 8.250      | n-C9 to n-C17 Jet    | 8829601.58    | 15.20    |    | 0.1472       | 5.8864       |
|        | 11.250     | n-C9 to n-C24 TPH-D  | 15429041.32   | 26.56    |    | 14.2594      | 570.375      |
|        | 16.750     | n-C9 to n-C40 Total  | 20504990.25   | 35.30    |    | 0.3417       | 13.670       |
|        | 19.875     | n-C16 to n-C36 M/Oil | 13324087.80   | 22.94    |    | 0.2221       | 8.8827       |
|        |            |                      | 58087720.95   | 100.00   |    |              |              |

Report Stored in ASCII File: S:\GHP\_05\0409\405A044.TX0

=====  
Extractable TPH GCHP\_05A

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|----|--------------|--------------|
| 1      | 3.009      |                | 34826.99      | 0.17     | *B | 0.0006       | 0.0232       |
| 2      | 3.239      |                | 13529.55      | 0.07     | *V | 0.0002       | 0.0000       |
| 3      | 3.357      |                | 24783.16      | 0.12     | *V | 0.0004       | 0.0165       |
| 4      | 3.585      |                | 27195.31      | 0.13     | *V | 0.0005       | 0.0181       |
| 5      | 3.731      |                | 59926.68      | 0.29     | *V | 0.0010       | 0.0400       |
| 6      | 3.872      |                | 39285.78      | 0.19     | *V | 0.0007       | 0.0212       |
| 7      | 4.074      |                | 20254.86      | 0.10     | *V | 0.0003       | 0.0135       |
| 8      | 4.180      |                | 56346.96      | 0.27     | *V | 0.0009       | 0.0376       |
| 9      | 4.340      |                | 15185.69      | 0.07     | *V | 0.0003       | 0.0111       |
| 10     | 4.431      |                | 47720.53      | 0.23     | *V | 0.0008       | 0.0368       |
| 11     | 4.599      |                | 55145.61      | 0.27     | *V | 0.0009       | 0.0368       |
| 12     | 4.792      |                | 31581.79      | 0.15     | *V | 0.0005       | 0.0211       |
| 13     | 5.006      |                | 55251.97      | 0.27     | *V | 0.0009       | 0.0368       |

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|----|--------------|--------------|
| 14     | 5.141      |                | 68358.49      | 0.33     | *V | 0.0011       | 0.0456       |
| 15     | 5.244      |                | 37004.48      | 0.18     | *V | 0.0006       | 0.0247       |
| 16     | 5.328      |                | 20241.08      | 0.10     | *V | 0.0003       | 0.0135       |
| 17     | 5.397      |                | 64040.50      | 0.31     | *V | 0.0011       | 0.0427       |
| 18     | 5.576      |                | 65780.81      | 0.32     | *V | 0.0011       | 0.0439       |
| 19     | 5.766      |                | 54639.43      | 0.27     | *V | 0.0009       | 0.0364       |
| 20     | 5.879      |                | 39577.96      | 0.19     | *V | 0.0007       | 0.0264       |
| 21     | 6.064      |                | 109194.56     | 0.53     | *V | 0.0018       | 0.0728       |
| 22     | 6.216      |                | 47980.83      | 0.23     | *V | 0.0008       | 0.0320       |
| 23     | 6.352      |                | 60449.94      | 0.29     | *V | 0.0010       | 0.0403       |
| 24     | 6.477      |                | 50811.03      | 0.25     | *V | 0.0008       | 0.0339       |
| 25     | 6.606      |                | 98424.56      | 0.48     | *V | 0.0016       | 0.0656       |
| 26     | 6.718      |                | 57298.23      | 0.28     | *V | 0.0010       | 0.0382       |
| 27     | 6.854      |                | 104102.82     | 0.51     | *V | 0.0017       | 0.0694       |
| 28     | 6.950      |                | 37751.69      | 0.18     | *V | 0.0006       | 0.0252       |
| 29     | 7.105      |                | 76592.13      | 0.37     | *V | 0.0013       | 0.0511       |
| 30     | 7.188      |                | 81670.09      | 0.40     | *V | 0.0014       | 0.0544       |
| 31     | 7.340      |                | 46571.97      | 0.23     | *V | 0.0008       | 0.0310       |
| 32     | 7.413      |                | 68036.99      | 0.33     | *V | 0.0011       | 0.0454       |
| 33     | 7.606      |                | 189636.00     | 0.92     | *V | 0.0032       | 0.1264       |
| 34     | 7.777      |                | 88135.36      | 0.43     | *V | 0.0015       | 0.0588       |
| 35     | 7.926      |                | 194525.86     | 0.95     | *V | 0.0032       | 0.1297       |
| 36     | 8.039      |                | 50635.54      | 0.25     | *V | 0.0008       | 0.0338       |
| 37     | 8.166      |                | 189570.58     | 0.92     | *V | 0.0032       | 0.1264       |
| 38     | 8.343      |                | 122796.42     | 0.60     | *V | 0.0020       | 0.0819       |
| 39     | 8.466      |                | 100436.51     | 0.49     | *V | 0.0017       | 0.0670       |
| 40     | 8.528      |                | 83590.22      | 0.41     | *V | 0.0014       | 0.0557       |
| 41     | 8.705      |                | 231890.49     | 1.13     | *V | 0.0039       | 0.1546       |
| 42     | 8.793      |                | 82343.34      | 0.40     | *V | 0.0014       | 0.0549       |
| 43     | 8.908      |                | 113974.36     | 0.56     | *V | 0.0019       | 0.0760       |
| 44     | 8.971      |                | 57504.71      | 0.28     | *V | 0.0010       | 0.0383       |
| 45     | 9.038      |                | 71400.78      | 0.35     | *V | 0.0012       | 0.0476       |
| 46     | 9.121      |                | 102926.59     | 0.50     | *V | 0.0017       | 0.0686       |
| 47     | 9.192      |                | 73997.48      | 0.36     | *V | 0.0012       | 0.0493       |
| 48     | 9.280      |                | 130117.69     | 0.63     | *V | 0.0022       | 0.0867       |
| 49     | 9.436      |                | 191084.90     | 0.93     | *V | 0.0032       | 0.1274       |
| 50     | 9.547      |                | 65826.21      | 0.32     | *V | 0.0011       | 0.0439       |
| 51     | 9.666      |                | 159828.58     | 0.78     | *V | 0.0027       | 0.1066       |
| 52     | 9.765      |                | 122206.71     | 0.60     | *V | 0.0020       | 0.0815       |
| 53     | 9.864      |                | 64115.87      | 0.31     | *V | 0.0011       | 0.0427       |
| 54     | 10.001     |                | 323681.95     | 1.58     | *V | 0.0054       | 0.2158       |
| 55     | 10.254     |                | 216515.41     | 1.06     | *V | 0.0036       | 0.1443       |
| 56     | 10.319     |                | 93504.99      | 0.46     | *V | 0.0016       | 0.0623       |
| 57     | 10.406     |                | 186150.03     | 0.91     | *V | 0.0031       | 0.1241       |
| 58     | 10.579     |                | 80196.84      | 0.39     | *V | 0.0013       | 0.0535       |
| 59     | 10.707     |                | 157150.90     | 0.77     | *V | 0.0026       | 0.1048       |
| 60     | 10.775     |                | 171640.52     | 0.84     | *V | 0.0029       | 0.1144       |
| 61     | 10.911     |                | 114011.09     | 0.56     | *V | 0.0019       | 0.0760       |
| 62     | 10.997     |                | 201100.68     | 0.98     | *V | 0.0034       | 0.1341       |
| 63     | 11.137     |                | 158216.69     | 0.77     | *V | 0.0026       | 0.1055       |
| 64     | 11.233     |                | 167520.19     | 0.82     | *V | 0.0028       | 0.1117       |
| 65     | 11.364     |                | 82909.96      | 0.40     | *V | 0.0014       | 0.0553       |
| 66     | 11.459     |                | 121529.26     | 0.59     | *V | 0.0020       | 0.0810       |
| 67     | 11.514     |                | 72098.13      | 0.35     | *V | 0.0012       | 0.0481       |
| 68     | 11.571     |                | 119640.12     | 0.58     | *V | 0.0020       | 0.0798       |
| 69     | 11.732     |                | 173543.81     | 0.85     | *V | 0.0029       | 0.1157       |
| 70     | 11.798     |                | 73598.17      | 0.36     | *V | 0.0012       | 0.0491       |
| 71     | 11.915     |                | 130083.89     | 0.63     | *V | 0.0022       | 0.0867       |

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|----|--------------|--------------|
| 72     | 12.003     |                | 202970.18     | 0.99     | *V | 0.0034       | 0.1353       |
| 73     | 12.149     |                | 178732.99     | 0.87     | *V | 0.0030       | 0.1192       |
| 74     | 12.251     |                | 74234.18      | 0.36     | *V | 0.0012       | 0.0495       |
| 75     | 12.343     |                | 193218.78     | 0.94     | *V | 0.0032       | 0.1288       |
| 76     | 12.619     |                | 286347.68     | 1.40     | *V | 0.0048       | 0.1909       |
| 77     | 12.739     |                | 215076.46     | 1.05     | *V | 0.0036       | 0.1434       |
| 78     | 13.006     |                | 365939.62     | 1.78     | *V | 0.0061       | 0.2440       |
| 79     | 13.172     |                | 152182.49     | 0.74     | *V | 0.0025       | 0.1015       |
| 80     | 13.266     |                | 110787.95     | 0.54     | *V | 0.0018       | 0.0739       |
| 81     | 13.395     |                | 135078.83     | 0.66     | *V | 0.0023       | 0.0901       |
| 82     | 13.483     |                | 115833.14     | 0.56     | *V | 0.0019       | 0.0772       |
| 83     | 13.583     |                | 271070.54     | 1.32     | *V | 0.0045       | 0.1807       |
| 84     | 13.797     |                | 152326.98     | 0.74     | *V | 0.0025       | 0.1016       |
| 85     | 13.880     |                | 109014.49     | 0.53     | *V | 0.0018       | 0.0727       |
| 86     | 13.984     |                | 215323.49     | 1.05     | *V | 0.0036       | 0.1435       |
| 87     | 14.156     |                | 214495.68     | 1.05     | *V | 0.0036       | 0.1430       |
| 88     | 14.337     |                | 149539.12     | 0.73     | *V | 0.0025       | 0.0997       |
| 89     | 14.411     |                | 136086.72     | 0.66     | *V | 0.0023       | 0.0907       |
| 90     | 14.587     |                | 317241.81     | 1.55     | *V | 0.0053       | 0.2115       |
| 91     | 14.822     |                | 193206.54     | 0.94     | *V | 0.0032       | 0.1288       |
| 92     | 14.928     |                | 115099.19     | 0.56     | *V | 0.0019       | 0.0767       |
| 93     | 15.016     |                | 193460.71     | 0.94     | *V | 0.0032       | 0.1290       |
| 94     | 15.256     |                | 211510.65     | 1.03     | *V | 0.0035       | 0.1410       |
| 95     | 15.360     |                | 207772.80     | 1.01     | *V | 0.0035       | 0.1385       |
| 96     | 15.545     |                | 155333.31     | 0.76     | *V | 0.0026       | 0.1036       |
| 97     | 15.654     |                | 105461.17     | 0.51     | *V | 0.0018       | 0.0703       |
| 98     | 15.824     |                | 279787.40     | 1.36     | *V | 0.0047       | 0.1865       |
| 99     | 16.068     |                | 304441.11     | 1.48     | *V | 0.0051       | 0.2030       |
| 100    | 16.271     |                | 239090.72     | 1.17     | *V | 0.0040       | 0.1594       |
| 101    | 16.467     |                | 187742.91     | 0.92     | *V | 0.0031       | 0.1251       |
| 102    | 16.681     |                | 175934.92     | 0.86     | *V | 0.0029       | 0.1173       |
| 103    | 16.826     |                | 160844.63     | 0.78     | *V | 0.0027       | 0.1073       |
| 104    | 16.967     |                | 197345.10     | 0.96     | *V | 0.0033       | 0.1310       |
| 105    | 17.132     |                | 159828.70     | 0.78     | *V | 0.0027       | 0.1066       |
| 106    | 17.268     |                | 133499.60     | 0.65     | *V | 0.0022       | 0.0890       |
| 107    | 17.413     |                | 178028.63     | 0.87     | *V | 0.0030       | 0.1188       |
| 108    | 17.588     |                | 132325.15     | 0.65     | *V | 0.0022       | 0.0888       |
| 109    | 17.709     |                | 109796.52     | 0.54     | *V | 0.0018       | 0.0732       |
| 110    | 17.786     |                | 79611.97      | 0.39     | *V | 0.0013       | 0.0538       |
| 111    | 17.879     |                | 92528.35      | 0.45     | *V | 0.0015       | 0.0611       |
| 112    | 17.973     |                | 91977.41      | 0.45     | *V | 0.0015       | 0.0613       |
| 113    | 18.103     |                | 144444.96     | 0.70     | *V | 0.0024       | 0.0963       |
| 114    | 18.229     |                | 157181.76     | 0.77     | *V | 0.0026       | 0.1044       |
| 115    | 18.423     |                | 128495.73     | 0.63     | *V | 0.0021       | 0.0851       |
| 116    | 18.521     |                | 143289.38     | 0.70     | *V | 0.0024       | 0.0955       |
| 117    | 18.655     |                | 84880.73      | 0.41     | *V | 0.0014       | 0.0566       |
| 118    | 18.779     |                | 97295.13      | 0.47     | *V | 0.0016       | 0.0644       |
| 119    | 18.853     |                | 124760.30     | 0.61     | *V | 0.0021       | 0.0832       |
| 120    | 19.024     |                | 96311.73      | 0.47     | *V | 0.0016       | 0.0642       |
| 121    | 19.121     |                | 96838.82      | 0.47     | *V | 0.0016       | 0.0641       |
| 122    | 19.190     |                | 130847.56     | 0.64     | *V | 0.0022       | 0.0878       |
| 123    | 19.384     |                | 125367.35     | 0.61     | *V | 0.0021       | 0.0836       |
| 124    | 19.504     |                | 203633.47     | 0.99     | *V | 0.0034       | 0.1358       |
| 125    | 19.856     |                | 261776.35     | 1.28     | *V | 0.0044       | 0.1744       |
| 126    | 20.151     | n-Pentacosane  | 240579.16     | 1.17     | *V | 0.2243       | 8.9730       |
| 127    | 20.337     |                | 178880.54     | 0.87     | *V | 0.0030       | 0.1193       |
| 128    | 20.579     |                | 170135.76     | 0.83     | *V | 0.0028       | 0.1133       |
| 129    | 20.752     |                | 61013.89      | 0.30     | *V | 0.0010       | 0.0400       |

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|----|--------------|--------------|
| 130    | 20.875     |                | 172903.73     | 0.84     | *V | 0.0029       | 0.1153       |
| 131    | 21.056     |                | 49466.71      | 0.24     | *V | 0.0008       | 0.0330       |
| 132    | 21.106     |                | 78884.78      | 0.38     | *V | 0.0013       | 0.0526       |
| 133    | 21.241     |                | 92088.61      | 0.45     | *V | 0.0015       | 0.0614       |
| 134    | 21.391     |                | 88836.15      | 0.43     | *V | 0.0015       | 0.0592       |
| 135    | 21.495     |                | 59620.60      | 0.29     | *V | 0.0010       | 0.0397       |
| 136    | 21.563     |                | 159554.38     | 0.78     | *V | 0.0027       | 0.1064       |
| 137    | 21.798     |                | 100792.20     | 0.49     | *V | 0.0017       | 0.0672       |
| 138    | 21.943     |                | 159182.24     | 0.78     | *V | 0.0027       | 0.1061       |
| 139    | 22.172     |                | 122278.90     | 0.60     | *V | 0.0020       | 0.0815       |
| 140    | 22.274     |                | 100570.93     | 0.49     | *V | 0.0017       | 0.0670       |
| 141    | 22.415     |                | 98489.73      | 0.48     | *V | 0.0016       | 0.0657       |
| 142    | 22.579     |                | 89158.68      | 0.43     | *V | 0.0015       | 0.0594       |
| 143    | 22.643     |                | 70902.64      | 0.35     | *V | 0.0012       | 0.0473       |
| 144    | 22.744     |                | 97183.16      | 0.47     | *V | 0.0016       | 0.0648       |
| 145    | 22.913     |                | 135861.76     | 0.66     | *V | 0.0023       | 0.0906       |
| 146    | 23.110     |                | 82928.07      | 0.40     | *V | 0.0014       | 0.0553       |
| 147    | 23.251     |                | 114165.02     | 0.56     | *V | 0.0019       | 0.0761       |
| 148    | 23.361     |                | 103992.89     | 0.51     | *V | 0.0017       | 0.0693       |
| 149    | 23.523     |                | 63387.78      | 0.31     | *V | 0.0011       | 0.0423       |
| 150    | 23.601     |                | 64570.90      | 0.31     | *V | 0.0011       | 0.0430       |
| 151    | 23.718     |                | 102671.01     | 0.50     | *V | 0.0017       | 0.0684       |
| 152    | 23.863     |                | 157114.17     | 0.77     | *V | 0.0026       | 0.1047       |
| 153    | 24.048     |                | 157475.09     | 0.77     | *V | 0.0026       | 0.1050       |
| 154    | 24.339     |                | 384632.33     | 1.88     | *V | 0.0064       | 0.2564       |
| 155    | 24.937     |                | 97880.12      | 0.48     | *V | 0.0016       | 0.0653       |
| 156    | 25.081     |                | 36031.91      | 0.18     | *V | 0.0006       | 0.0240       |
| 157    | 25.213     |                | 409196.51     | 2.00     | *V | 0.0068       | 0.2728       |
| 158    | 26.014     |                | 336164.46     | 1.64     | *V | 0.0056       | 0.2241       |
| 159    | 26.757     |                | 87409.82      | 0.43     | *V | 0.0015       | 0.0583       |
| 160    | 26.910     |                | 86534.44      | 0.42     | *V | 0.0014       | 0.0577       |

20504990.25 100.00

Report Stored in ASCII File: S:\GHP\_05\0409\405A044.TX1

## Chromatogram

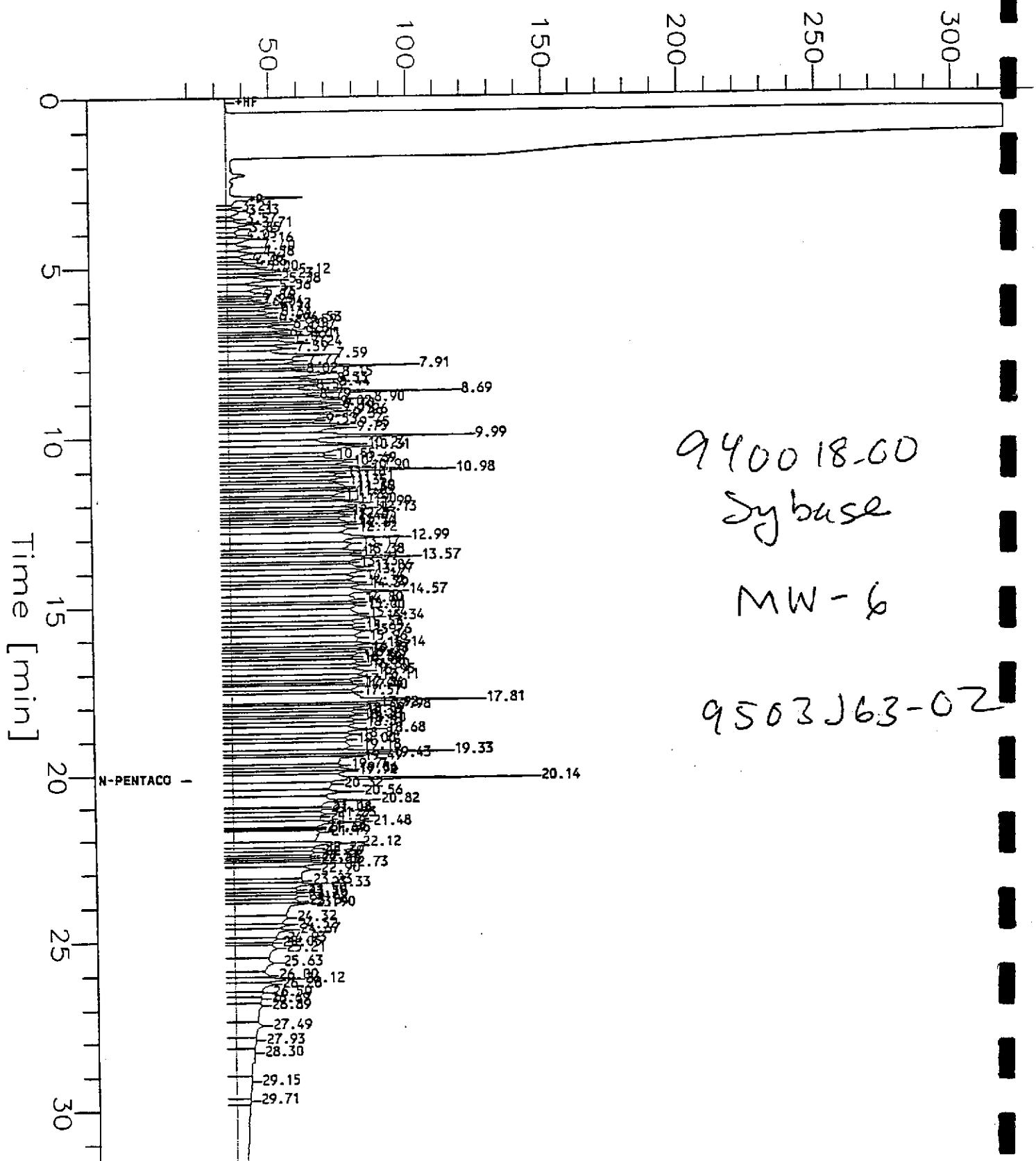
**COPY**

Page 1 of 1

Sample Name : D9503J63-2 (500:1\*10)RE-SHOT  
FileName : s:\ghp\_05\0409\405A042.raw  
Method : ETPH05A.ins  
Start Time : 0.00 min  
Scale Factor: -1.0

Sample #: MW-6  
Date : 4/6/95 20:04  
Time of Injection: 4/6/95 19:31  
Low Point : 18.81 mV  
High Point : 318.81 mV  
Plot Offset: 19 mV  
Plot Scale: 300.0 mV

Response [mV]



======  
 Software Version: 3.3 <4B11>  
 Sample Name : D9503J63-2 (500:1\*10) RE-SHOT Time : 4/6/95 20:04  
 Sample Number: MW-6 Study : EKI  
 Operator :  
 Instrument : GCHP\_05 Channel : A A/D mV Range : 1024  
 AutoSampler : HP7673A  
 Rack/Vial : 1/42  
 Interface Serial # : Data Acquisition Time: 4/6/95 19:31  
 Delay Time : 0.00 min.  
 End Time : 31.65 min.  
 Sampling Rate : 1.2500 pts/sec  
 Raw Data File : S:\GHP\_05\0409\405A042.RAW  
 Result File : S:\GHP\_05\0409\405A042.RST  
 Instrument File: S:\GHP\_05\MET\_SEQ\ETPH05A.ins  
 Process File : S:\GHP\_05\MET\_SEQ\ETPH05A  
 Sample File : S:\GHP\_05\MET\_SEQ\ETPH05A  
 Sequence File : S:\GHP\_05\MET\_SEQ\H050405.SEQ  
 Inj. Volume : 3 ul Area Reject : 0.000000  
 Sample Amount : 1.0000 Dilution Factor : 1.00

=====

#### Extractable TPH GCHP\_05A

| Peak #             | Time [min] | Component Name       | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------------------|------------|----------------------|---------------|----------|----|--------------|--------------|
|                    | 8.250      | n-C9 to n-C17 Jet    | 16765454.05   | 13.09    |    | 0.2794       | 11.1770      |
|                    | 11.250     | n-C9 to n-C24 TPH-D  | 33819319.00   | 26.40    |    | 31.2555      | 1250.2199    |
|                    | 16.750     | n-C9 to n-C40 Total  | 45905032.97   | 35.83    |    | 0.7651       | 30.6034      |
|                    | 19.875     | n-C16 to n-C36 M/Oil | 31620028.59   | 24.68    |    | 0.5270       | 21.0800      |
| 1.28110e+08 100.00 |            |                      |               |          |    |              |              |

Report Stored in ASCII File: S:\GHP\_05\0409\405A042.TX0

#### Extractable TPH GCHP\_05A

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|----|--------------|--------------|
| 1      | 3.210      |                | 14406.85      | 0.03     | *B | 0.0002       | 0.0096       |
| 2      | 3.333      |                | 43870.58      | 0.10     | *V | 0.0007       | 0.0292       |
| 3      | 3.569      |                | 20095.18      | 0.04     | *V | 0.0003       | 0.0134       |
| 4      | 3.711      |                | 62518.01      | 0.14     | *V | 0.0010       | 0.0417       |
| 5      | 3.854      |                | 38383.87      | 0.08     | *V | 0.0006       | 0.0256       |
| 6      | 4.050      |                | 27688.09      | 0.06     | *V | 0.0005       | 0.0185       |
| 7      | 4.163      |                | 72741.15      | 0.16     | *V | 0.0012       | 0.0485       |
| 8      | 4.401      |                | 72918.81      | 0.16     | *V | 0.0012       | 0.0486       |
| 9      | 4.581      |                | 72280.38      | 0.16     | *V | 0.0012       | 0.0482       |
| 10     | 4.757      |                | 38448.27      | 0.08     | *V | 0.0006       | 0.0256       |
| 11     | 4.864      |                | 36190.95      | 0.08     | *V | 0.0006       | 0.0241       |
| 12     | 4.996      |                | 77277.10      | 0.17     | *V | 0.0013       | 0.0515       |
| 13     | 5.118      |                | 127939.05     | 0.28     | *V | 0.0021       | 0.0853       |

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|----|--------------|--------------|
| 14     | 5.233      |                | 76733.82      | 0.17     | *V | 0.0013       | 0.0512       |
| 15     | 5.377      |                | 140724.96     | 0.31     | *V | 0.0023       | 0.0938       |
| 16     | 5.560      |                | 136096.93     | 0.30     | *V | 0.0023       | 0.0907       |
| 17     | 5.754      |                | 75556.31      | 0.16     | *V | 0.0013       | 0.0504       |
| 18     | 5.862      |                | 42865.62      | 0.09     | *V | 0.0007       | 0.0286       |
| 19     | 5.959      |                | 42144.93      | 0.09     | *V | 0.0007       | 0.0281       |
| 20     | 6.044      |                | 65545.89      | 0.14     | *V | 0.0011       | 0.0437       |
| 21     | 6.117      |                | 65781.32      | 0.14     | *V | 0.0011       | 0.0439       |
| 22     | 6.207      |                | 88227.69      | 0.19     | *V | 0.0015       | 0.0588       |
| 23     | 6.342      |                | 110422.06     | 0.24     | *V | 0.0018       | 0.0736       |
| 24     | 6.456      |                | 67838.16      | 0.15     | *V | 0.0011       | 0.0452       |
| 25     | 6.528      |                | 110975.68     | 0.24     | *V | 0.0018       | 0.0740       |
| 26     | 6.593      |                | 112491.15     | 0.25     | *V | 0.0019       | 0.0750       |
| 27     | 6.701      |                | 96701.85      | 0.21     | *V | 0.0016       | 0.0645       |
| 28     | 6.839      |                | 167089.77     | 0.36     | *V | 0.0028       | 0.1114       |
| 29     | 6.937      |                | 85357.95      | 0.19     | *V | 0.0014       | 0.0569       |
| 30     | 7.008      |                | 105334.15     | 0.23     | *V | 0.0018       | 0.0702       |
| 31     | 7.091      |                | 108793.60     | 0.24     | *V | 0.0018       | 0.0725       |
| 32     | 7.237      |                | 191443.65     | 0.42     | *V | 0.0032       | 0.1276       |
| 33     | 7.388      |                | 175322.51     | 0.38     | *V | 0.0029       | 0.1169       |
| 34     | 7.587      |                | 382759.52     | 0.83     | *V | 0.0064       | 0.2552       |
| 35     | 7.769      |                | 169268.41     | 0.37     | *V | 0.0028       | 0.1128       |
| 36     | 7.910      |                | 309832.68     | 0.67     | *V | 0.0052       | 0.2066       |
| 37     | 8.023      |                | 114938.50     | 0.25     | *V | 0.0019       | 0.0766       |
| 38     | 8.150      |                | 357457.43     | 0.78     | *V | 0.0060       | 0.2383       |
| 39     | 8.325      |                | 215959.50     | 0.47     | *V | 0.0036       | 0.1440       |
| 40     | 8.444      |                | 230270.70     | 0.50     | *V | 0.0038       | 0.1535       |
| 41     | 8.518      |                | 151035.46     | 0.33     | *V | 0.0025       | 0.1007       |
| 42     | 8.689      |                | 429331.11     | 0.94     | *V | 0.0072       | 0.2861       |
| 43     | 8.794      |                | 158768.14     | 0.35     | *V | 0.0026       | 0.1058       |
| 44     | 8.896      |                | 302533.60     | 0.66     | *V | 0.0050       | 0.2017       |
| 45     | 9.024      |                | 170552.28     | 0.37     | *V | 0.0028       | 0.1137       |
| 46     | 9.095      |                | 202994.15     | 0.44     | *V | 0.0034       | 0.1351       |
| 47     | 9.188      |                | 147202.08     | 0.32     | *V | 0.0025       | 0.0981       |
| 48     | 9.263      |                | 233049.25     | 0.51     | *V | 0.0039       | 0.1554       |
| 49     | 9.389      |                | 398144.67     | 0.87     | *V | 0.0066       | 0.2651       |
| 50     | 9.528      |                | 151267.57     | 0.33     | *V | 0.0025       | 0.1006       |
| 51     | 9.652      |                | 241485.28     | 0.53     | *V | 0.0040       | 0.1610       |
| 52     | 9.753      |                | 409733.30     | 0.89     | *V | 0.0068       | 0.2731       |
| 53     | 9.986      |                | 606357.45     | 1.32     | *V | 0.0101       | 0.4041       |
| 54     | 10.237     |                | 399387.09     | 0.87     | *V | 0.0067       | 0.2663       |
| 55     | 10.307     |                | 518271.20     | 1.13     | *V | 0.0086       | 0.3455       |
| 56     | 10.553     |                | 223654.69     | 0.49     | *V | 0.0037       | 0.1491       |
| 57     | 10.689     |                | 312037.46     | 0.68     | *V | 0.0052       | 0.2081       |
| 58     | 10.770     |                | 260143.42     | 0.57     | *V | 0.0043       | 0.1734       |
| 59     | 10.895     |                | 277512.34     | 0.60     | *V | 0.0046       | 0.1851       |
| 60     | 10.981     |                | 361910.87     | 0.79     | *V | 0.0060       | 0.2411       |
| 61     | 11.099     |                | 306838.21     | 0.67     | *V | 0.0051       | 0.2046       |
| 62     | 11.213     |                | 285144.28     | 0.62     | *V | 0.0048       | 0.1901       |
| 63     | 11.347     |                | 186092.89     | 0.41     | *V | 0.0031       | 0.1241       |
| 64     | 11.492     |                | 364390.49     | 0.79     | *V | 0.0061       | 0.2429       |
| 65     | 11.548     |                | 196524.42     | 0.43     | *V | 0.0033       | 0.1310       |
| 66     | 11.647     |                | 350339.96     | 0.76     | *V | 0.0058       | 0.2331       |
| 67     | 11.783     |                | 180216.19     | 0.39     | *V | 0.0030       | 0.1201       |
| 68     | 11.898     |                | 226856.01     | 0.49     | *V | 0.0038       | 0.1512       |
| 69     | 11.988     |                | 427763.86     | 0.93     | *V | 0.0071       | 0.2852       |
| 70     | 12.133     |                | 323323.33     | 0.70     | *V | 0.0054       | 0.2151       |
| 71     | 12.235     |                | 190801.91     | 0.42     | *V | 0.0032       | 0.1271       |

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|----|--------------|--------------|
| 72     | 12.329     |                | 232259.95     | 0.51     | *V | 0.0039       | 0.1548       |
| 73     | 12.399     |                | 192225.04     | 0.42     | *V | 0.0032       | 0.1282       |
| 74     | 12.537     |                | 267879.93     | 0.58     | *V | 0.0045       | 0.1786       |
| 75     | 12.607     |                | 239049.53     | 0.52     | *V | 0.0040       | 0.1594       |
| 76     | 12.724     |                | 469846.94     | 1.02     | *V | 0.0078       | 0.3132       |
| 77     | 12.991     |                | 777216.71     | 1.69     | *V | 0.0130       | 0.5181       |
| 78     | 13.167     |                | 515464.59     | 1.12     | *V | 0.0086       | 0.3436       |
| 79     | 13.381     |                | 282737.23     | 0.62     | *V | 0.0047       | 0.1885       |
| 80     | 13.466     |                | 244418.14     | 0.53     | *V | 0.0041       | 0.1629       |
| 81     | 13.568     |                | 537876.02     | 1.17     | *V | 0.0090       | 0.3586       |
| 82     | 13.732     |                | 173953.83     | 0.38     | *V | 0.0029       | 0.1160       |
| 83     | 13.858     |                | 403784.80     | 0.88     | *V | 0.0067       | 0.2692       |
| 84     | 13.968     |                | 479407.17     | 1.04     | *V | 0.0080       | 0.3196       |
| 85     | 14.144     |                | 423436.29     | 0.92     | *V | 0.0071       | 0.2823       |
| 86     | 14.324     |                | 288847.57     | 0.63     | *V | 0.0048       | 0.1926       |
| 87     | 14.391     |                | 295640.85     | 0.64     | *V | 0.0049       | 0.1971       |
| 88     | 14.571     |                | 694411.96     | 1.51     | *V | 0.0116       | 0.4629       |
| 89     | 14.803     |                | 461577.21     | 1.01     | *V | 0.0077       | 0.3077       |
| 90     | 14.911     |                | 217144.53     | 0.47     | *V | 0.0036       | 0.1448       |
| 91     | 14.998     |                | 395338.57     | 0.86     | *V | 0.0066       | 0.2636       |
| 92     | 15.242     |                | 507878.56     | 1.11     | *V | 0.0085       | 0.3386       |
| 93     | 15.341     |                | 499494.57     | 1.09     | *V | 0.0083       | 0.3330       |
| 94     | 15.530     |                | 322673.30     | 0.70     | *V | 0.0054       | 0.2151       |
| 95     | 15.645     |                | 285871.85     | 0.62     | *V | 0.0048       | 0.1906       |
| 96     | 15.761     |                | 556967.65     | 1.21     | *V | 0.0093       | 0.3713       |
| 97     | 15.958     |                | 588461.44     | 1.28     | *V | 0.0098       | 0.3923       |
| 98     | 16.140     |                | 312546.31     | 0.68     | *V | 0.0052       | 0.2084       |
| 99     | 16.265     |                | 261894.83     | 0.57     | *V | 0.0044       | 0.1746       |
| 100    | 16.329     |                | 257657.94     | 0.56     | *V | 0.0043       | 0.1718       |
| 101    | 16.432     |                | 326855.86     | 0.71     | *V | 0.0054       | 0.2179       |
| 102    | 16.538     |                | 176240.11     | 0.38     | *V | 0.0029       | 0.1175       |
| 103    | 16.603     |                | 107311.80     | 0.23     | *V | 0.0018       | 0.0715       |
| 104    | 16.684     |                | 363483.22     | 0.79     | *V | 0.0061       | 0.2423       |
| 105    | 16.802     |                | 331643.05     | 0.72     | *V | 0.0055       | 0.2211       |
| 106    | 16.949     |                | 492892.97     | 1.07     | *V | 0.0082       | 0.3286       |
| 107    | 17.113     |                | 447551.69     | 0.97     | *V | 0.0075       | 0.2984       |
| 108    | 17.244     |                | 210884.59     | 0.46     | *V | 0.0035       | 0.1406       |
| 109    | 17.338     |                | 179337.11     | 0.39     | *V | 0.0030       | 0.1196       |
| 110    | 17.398     |                | 400012.00     | 0.87     | *V | 0.0067       | 0.2667       |
| 111    | 17.565     |                | 247251.54     | 0.54     | *V | 0.0041       | 0.1648       |
| 112    | 17.808     |                | 957459.04     | 2.09     | *V | 0.0160       | 0.6383       |
| 113    | 17.917     |                | 160025.10     | 0.35     | *V | 0.0027       | 0.1067       |
| 114    | 17.976     |                | 317417.93     | 0.69     | *V | 0.0053       | 0.2116       |
| 115    | 18.090     |                | 249908.68     | 0.54     | *V | 0.0042       | 0.1666       |
| 116    | 18.214     |                | 320695.52     | 0.70     | *V | 0.0053       | 0.2138       |
| 117    | 18.275     |                | 173851.29     | 0.38     | *V | 0.0029       | 0.1159       |
| 118    | 18.397     |                | 353852.85     | 0.77     | *V | 0.0059       | 0.2359       |
| 119    | 18.506     |                | 350820.63     | 0.76     | *V | 0.0058       | 0.2339       |
| 120    | 18.682     |                | 545059.55     | 1.19     | *V | 0.0091       | 0.3634       |
| 121    | 18.835     |                | 374808.75     | 0.82     | *V | 0.0062       | 0.2499       |
| 122    | 18.997     |                | 267095.86     | 0.58     | *V | 0.0045       | 0.1781       |
| 123    | 19.177     |                | 576167.68     | 1.26     | *V | 0.0096       | 0.3841       |
| 124    | 19.334     |                | 407042.74     | 0.89     | *V | 0.0068       | 0.2714       |
| 125    | 19.425     |                | 238071.10     | 0.52     | *V | 0.0040       | 0.1587       |
| 126    | 19.491     |                | 513259.04     | 1.12     | *V | 0.0086       | 0.3422       |
| 127    | 19.744     |                | 251202.24     | 0.55     | *V | 0.0042       | 0.1675       |
| 128    | 19.861     |                | 264744.67     | 0.58     | *V | 0.0044       | 0.1765       |
| 129    | 19.917     |                | 258436.78     | 0.56     | *V | 0.0043       | 0.1723       |

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|----|--------------|--------------|
| 130    | 20.135     | n-Pentacosane  | 768780.68     | 1.67     | *V | 0.7168       | 28.673       |
| 131    | 20.323     |                | 487111.54     | 1.06     | *V | 0.0081       | 0.324        |
| 132    | 20.557     |                | 478453.09     | 1.04     | *V | 0.0080       | 0.3190       |
| 133    | 20.820     |                | 701463.36     | 1.53     | *V | 0.0117       | 0.4676       |
| 134    | 21.023     |                | 78067.55      | 0.17     | *V | 0.0013       | 0.052        |
| 135    | 21.084     |                | 207855.57     | 0.45     | *V | 0.0035       | 0.1386       |
| 136    | 21.233     |                | 290063.08     | 0.63     | *V | 0.0048       | 0.1934       |
| 137    | 21.323     |                | 229770.39     | 0.50     | *V | 0.0038       | 0.153        |
| 138    | 21.479     |                | 426777.65     | 0.93     | *V | 0.0071       | 0.284        |
| 139    | 21.634     |                | 98120.01      | 0.21     | *V | 0.0016       | 0.0654       |
| 140    | 21.690     |                | 97596.87      | 0.21     | *V | 0.0016       | 0.0651       |
| 141    | 21.786     |                | 616362.26     | 1.34     | *V | 0.0103       | 0.410        |
| 142    | 22.117     |                | 354625.06     | 0.77     | *V | 0.0059       | 0.2364       |
| 143    | 22.272     |                | 210408.13     | 0.46     | *V | 0.0035       | 0.1403       |
| 144    | 22.391     |                | 185996.86     | 0.41     | *V | 0.0031       | 0.124        |
| 145    | 22.505     |                | 135283.14     | 0.29     | *V | 0.0023       | 0.090        |
| 146    | 22.564     |                | 113905.23     | 0.25     | *V | 0.0019       | 0.0759       |
| 147    | 22.630     |                | 113220.26     | 0.25     | *V | 0.0019       | 0.0755       |
| 148    | 22.730     |                | 249011.10     | 0.54     | *V | 0.0042       | 0.166        |
| 149    | 22.903     |                | 538346.36     | 1.17     | *V | 0.0090       | 0.358        |
| 150    | 23.228     |                | 180894.54     | 0.39     | *V | 0.0030       | 0.1206       |
| 151    | 23.325     |                | 273094.87     | 0.59     | *V | 0.0046       | 0.182        |
| 152    | 23.504     |                | 147100.57     | 0.32     | *V | 0.0025       | 0.098        |
| 153    | 23.580     |                | 129213.48     | 0.28     | *V | 0.0022       | 0.0861       |
| 154    | 23.690     |                | 166002.05     | 0.36     | *V | 0.0028       | 0.110        |
| 155    | 23.839     |                | 149325.12     | 0.33     | *V | 0.0025       | 0.099        |
| 156    | 23.902     |                | 449843.20     | 0.98     | *V | 0.0075       | 0.2999       |
| 157    | 24.318     |                | 283534.69     | 0.62     | *V | 0.0047       | 0.1890       |
| 158    | 24.522     |                | 145037.09     | 0.32     | *V | 0.0024       | 0.096        |
| 159    | 24.671     |                | 272168.98     | 0.59     | *V | 0.0045       | 0.181        |
| 160    | 24.925     |                | 131983.49     | 0.29     | *V | 0.0022       | 0.0880       |
| 161    | 25.053     |                | 67043.38      | 0.15     | *V | 0.0011       | 0.044        |
| 162    | 25.212     |                | 305649.73     | 0.67     | *V | 0.0051       | 0.203        |
| 163    | 25.628     |                | 298194.43     | 0.65     | *V | 0.0050       | 0.1988       |
| 164    | 26.004     |                | 114230.95     | 0.25     | *V | 0.0019       | 0.0762       |
| 165    | 26.120     |                | 159028.82     | 0.35     | *V | 0.0027       | 0.106        |
| 166    | 26.263     |                | 183747.57     | 0.40     | *V | 0.0031       | 0.122        |
| 167    | 26.502     |                | 87174.14      | 0.19     | *V | 0.0015       | 0.0581       |
| 168    | 26.692     |                | 114214.50     | 0.25     | *V | 0.0019       | 0.076        |
| 169    | 26.890     |                | 290292.77     | 0.63     | *V | 0.0048       | 0.193        |
| 170    | 27.488     |                | 241689.33     | 0.53     | *V | 0.0040       | 0.1611       |
| 171    | 27.931     |                | 147550.12     | 0.32     | *V | 0.0025       | 0.0984       |
| 172    | 28.304     |                | 312540.32     | 0.68     | *V | 0.0052       | 0.208        |
| 173    | 29.148     |                | 225358.14     | 0.49     | *V | 0.0038       | 0.150        |
| 174    | 29.711     |                | 55199.81      | 0.12     | *V | 0.0009       | 0.0368       |

45905032.97 100.00

## Chromatogram

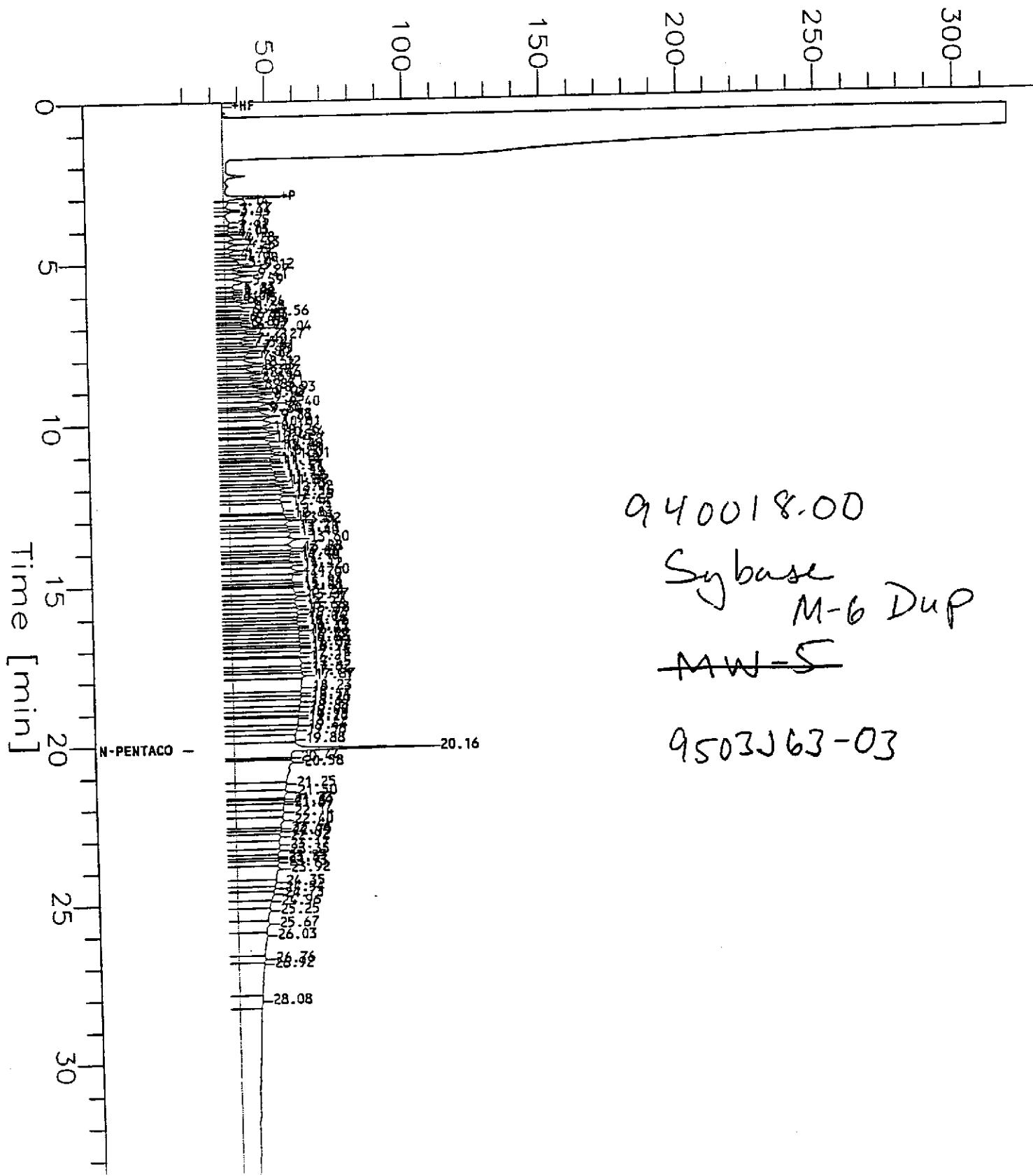
COPY

Page 1 of 1

Sample Name : D9503J63-3 (500:1\*10)RE-SHOT  
FileName : s:\ghp\_05\0409\405A043.raw  
Method : ETPH05A.ins  
Start Time : 0.00 min End Time : 33.67 min  
Scale Factor: -1.0 Plot Offset: 19 mV

Sample #: M-6 DUP  
Date : 4/6/95 22:07  
Time of Injection: 4/6/95 21:33  
Low Point : 19.27 mV High Point : 319.27 mV  
Plot Scale: 300.0 mV

Response [mV]



=====  
Software Version: 3.3 <4B11>  
Sample Name : D9503J63-3 (500:1\*10) RE-SHOT Time : 4/6/95 22:07  
Sample Number: M-6 DUP Study : EKI  
Operator : NH

Instrument : GCHP\_05 Channel : A A/D mV Range : 1024  
AutoSampler : HP7673A  
Rack/Vial : 1/43

Interface Serial # : Data Acquisition Time: 4/6/95 21:33  
Delay Time : 0.00 min.  
End Time : 33.67 min.  
Sampling Rate : 1.2500 pts/sec

Raw Data File : S:\GHP\_05\0409\405A043.RAW  
Result File : S:\GHP\_05\0409\405A043.RST  
Instrument File: S:\GHP\_05\MET\_SEQ\ETPH05A.ins  
Process File : S:\GHP\_05\MET\_SEQ\ETPH05A  
Sample File : S:\GHP\_05\MET\_SEQ\ETPH05A  
Sequence File : S:\GHP\_05\MET\_SEQ\H050405.seq

Inj. Volume : 3 ul Area Reject : 0.000000  
Sample Amount : 1.0000 Dilution Factor : 1.00

| Extractable TPH GCHP_05A |            |                      |               |          |    |              |
|--------------------------|------------|----------------------|---------------|----------|----|--------------|
| Peak #                   | Time [min] | Component Name       | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] |
|                          | 8.250      | n-C9 to n-C17 Jet    | 6497924.94    | 10.32    |    | 0.1083       |
|                          | 11.250     | n-C9 to n-C24 TPH-D  | 15210171.40   | 24.16    |    | 14.0571      |
|                          | 16.750     | n-C9 to n-C40 Total  | 23168090.20   | 36.80    |    | 0.3861       |
|                          | 19.875     | n-C16 to n-C36 M/Oil | 18088043.78   | 28.73    |    | 0.3015       |
|                          |            |                      | 62964230.31   | 100.00   |    |              |

Report Stored in ASCII File: S:\GHP\_05\0409\405A043.TX0

| Extractable TPH GCHP_05A |            |                |               |          |    |              |
|--------------------------|------------|----------------|---------------|----------|----|--------------|
| Peak #                   | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] |
| 1                        | 3.138      |                | 15387.19      | 0.07     | *B | 0.0003       |
| 2                        | 3.372      |                | 14051.29      | 0.06     | *V | 0.0002       |
| 3                        | 3.435      |                | 10278.36      | 0.04     | *V | 0.0002       |
| 4                        | 3.751      |                | 24346.74      | 0.11     | *V | 0.0004       |
| 5                        | 3.908      |                | 12432.52      | 0.05     | *V | 0.0002       |
| 6                        | 4.047      |                | 8699.00       | 0.04     | *V | 0.0001       |
| 7                        | 4.124      |                | 4402.04       | 0.02     | *V | 7.3367e-05   |
| 8                        | 4.281      |                | 29936.62      | 0.13     | *V | 0.0005       |
| 9                        | 4.434      |                | 32029.56      | 0.14     | *V | 0.0005       |
| 10                       | 4.618      |                | 22690.35      | 0.10     | *V | 0.0004       |
| 11                       | 4.767      |                | 14815.84      | 0.06     | *V | 0.0002       |
| 12                       | 4.901      |                | 25132.72      | 0.11     | *V | 0.0004       |
| 13                       | 5.045      |                | 34580.34      | 0.15     | *V | 0.0006       |

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [mu g/L] |
|--------|------------|----------------|---------------|----------|----|--------------|----------------|
| 14     | 5.115      |                | 46528.61      | 0.20     | *V | 0.0008       | 0.0310         |
| 15     | 5.269      |                | 35394.12      | 0.15     | *V | 0.0006       | 0.0236         |
| 16     | 5.411      |                | 53190.66      | 0.23     | *V | 0.0009       | 0.0355         |
| 17     | 5.592      |                | 60286.06      | 0.26     | *V | 0.0010       | 0.0402         |
| 18     | 5.828      |                | 22528.76      | 0.10     | *V | 0.0004       | 0.0150         |
| 19     | 5.898      |                | 9932.88       | 0.04     | *V | 0.0002       | 0.0066         |
| 20     | 5.981      |                | 19825.58      | 0.09     | *V | 0.0003       | 0.0132         |
| 21     | 6.066      |                | 11352.31      | 0.05     | *V | 0.0002       | 0.0076         |
| 22     | 6.148      |                | 21468.07      | 0.09     | *V | 0.0004       | 0.0143         |
| 23     | 6.244      |                | 43616.15      | 0.19     | *V | 0.0007       | 0.0291         |
| 24     | 6.382      |                | 41866.27      | 0.18     | *V | 0.0007       | 0.0279         |
| 25     | 6.490      |                | 22295.50      | 0.10     | *V | 0.0004       | 0.0149         |
| 26     | 6.556      |                | 60071.43      | 0.26     | *V | 0.0010       | 0.0400         |
| 27     | 6.629      |                | 30757.04      | 0.13     | *V | 0.0005       | 0.0205         |
| 28     | 6.704      |                | 15910.33      | 0.07     | *V | 0.0003       | 0.0106         |
| 29     | 6.784      |                | 37787.78      | 0.16     | *V | 0.0006       | 0.0252         |
| 30     | 6.867      |                | 21962.64      | 0.09     | *V | 0.0004       | 0.0146         |
| 31     | 6.974      |                | 31985.56      | 0.14     | *V | 0.0005       | 0.0213         |
| 32     | 7.037      |                | 68365.00      | 0.30     | *V | 0.0011       | 0.0456         |
| 33     | 7.150      |                | 39792.59      | 0.17     | *V | 0.0007       | 0.0265         |
| 34     | 7.269      |                | 86546.68      | 0.37     | *V | 0.0014       | 0.0577         |
| 35     | 7.399      |                | 47825.49      | 0.21     | *V | 0.0008       | 0.0319         |
| 36     | 7.520      |                | 33501.54      | 0.14     | *V | 0.0006       | 0.0223         |
| 37     | 7.610      |                | 55286.28      | 0.24     | *V | 0.0009       | 0.0369         |
| 38     | 7.726      |                | 47401.83      | 0.20     | *V | 0.0008       | 0.0316         |
| 39     | 7.799      |                | 59579.02      | 0.26     | *V | 0.0010       | 0.0397         |
| 40     | 7.935      |                | 44047.98      | 0.19     | *V | 0.0007       | 0.0294         |
| 41     | 8.119      |                | 106278.02     | 0.46     | *V | 0.0018       | 0.0709         |
| 42     | 8.225      |                | 48712.61      | 0.21     | *V | 0.0008       | 0.0325         |
| 43     | 8.378      |                | 66233.04      | 0.29     | *V | 0.0011       | 0.0442         |
| 44     | 8.460      |                | 80561.58      | 0.35     | *V | 0.0013       | 0.0537         |
| 45     | 8.590      |                | 43057.43      | 0.19     | *V | 0.0007       | 0.0287         |
| 46     | 8.712      |                | 94080.04      | 0.41     | *V | 0.0016       | 0.0627         |
| 47     | 8.834      |                | 52197.05      | 0.23     | *V | 0.0009       | 0.0348         |
| 48     | 8.931      |                | 91889.66      | 0.40     | *V | 0.0015       | 0.0613         |
| 49     | 9.049      |                | 69471.85      | 0.30     | *V | 0.0012       | 0.0463         |
| 50     | 9.115      |                | 67940.95      | 0.29     | *V | 0.0011       | 0.0453         |
| 51     | 9.247      |                | 126732.08     | 0.55     | *V | 0.0021       | 0.0845         |
| 52     | 9.401      |                | 135313.37     | 0.58     | *V | 0.0023       | 0.0902         |
| 53     | 9.549      |                | 46386.16      | 0.20     | *V | 0.0008       | 0.0309         |
| 54     | 9.600      |                | 47934.40      | 0.21     | *V | 0.0008       | 0.0320         |
| 55     | 9.776      |                | 132748.43     | 0.57     | *V | 0.0022       | 0.0885         |
| 56     | 9.826      |                | 104382.50     | 0.45     | *V | 0.0017       | 0.0696         |
| 57     | 10.009     |                | 174068.23     | 0.75     | *V | 0.0029       | 0.1160         |
| 58     | 10.151     |                | 41720.12      | 0.18     | *V | 0.0007       | 0.0278         |
| 59     | 10.256     |                | 104681.18     | 0.45     | *V | 0.0017       | 0.0698         |
| 60     | 10.343     |                | 135900.53     | 0.59     | *V | 0.0023       | 0.0906         |
| 61     | 10.466     |                | 43868.15      | 0.19     | *V | 0.0007       | 0.0292         |
| 62     | 10.583     |                | 156152.58     | 0.67     | *V | 0.0026       | 0.1041         |
| 63     | 10.736     |                | 87007.20      | 0.38     | *V | 0.0015       | 0.0597         |
| 64     | 10.807     |                | 89541.40      | 0.39     | *V | 0.0018       | 0.0714         |
| 65     | 10.908     |                | 107039.90     | 0.46     | *V | 0.0018       | 0.0809         |
| 66     | 11.006     |                | 121333.37     | 0.52     | *V | 0.0020       | 0.0416         |
| 67     | 11.123     |                | 62350.31      | 0.27     | *V | 0.0010       | 0.0338         |
| 68     | 11.186     |                | 50774.43      | 0.22     | *V | 0.0008       | 0.0681         |
| 69     | 11.241     |                | 102204.75     | 0.44     | *V | 0.0017       | 0.0688         |
| 70     | 11.366     |                | 103145.69     | 0.45     | *V | 0.0017       | 0.0807         |
| 71     | 11.507     |                | 121037.11     | 0.52     | *V | 0.0020       | 0.0807         |

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|----|--------------|--------------|
| 72     | 11.581     |                | 94624.85      | 0.41     | *V | 0.0016       | 0.063        |
| 73     | 11.677     |                | 138783.53     | 0.60     | *V | 0.0023       | 0.092        |
| 74     | 11.816     |                | 127402.14     | 0.55     | *V | 0.0021       | 0.0849       |
| 75     | 11.925     |                | 84742.86      | 0.37     | *V | 0.0014       | 0.0565       |
| 76     | 12.018     |                | 139353.09     | 0.60     | *V | 0.0023       | 0.092        |
| 77     | 12.152     |                | 155687.46     | 0.67     | *V | 0.0026       | 0.1035       |
| 78     | 12.263     |                | 185878.77     | 0.80     | *V | 0.0031       | 0.1239       |
| 79     | 12.444     |                | 122255.30     | 0.53     | *V | 0.0020       | 0.081        |
| 80     | 12.710     |                | 364902.91     | 1.58     | *V | 0.0061       | 0.243        |
| 81     | 12.826     |                | 63615.56      | 0.27     | *V | 0.0011       | 0.0424       |
| 82     | 12.942     |                | 165279.83     | 0.71     | *V | 0.0028       | 0.1102       |
| 83     | 13.020     |                | 222176.84     | 0.96     | *V | 0.0037       | 0.148        |
| 84     | 13.207     |                | 136835.34     | 0.59     | *V | 0.0023       | 0.0912       |
| 85     | 13.297     |                | 136436.29     | 0.59     | *V | 0.0023       | 0.0910       |
| 86     | 13.403     |                | 227317.30     | 0.98     | *V | 0.0038       | 0.151        |
| 87     | 13.596     |                | 344623.06     | 1.49     | *V | 0.0057       | 0.229        |
| 88     | 13.880     |                | 215493.37     | 0.93     | *V | 0.0036       | 0.1437       |
| 89     | 13.986     |                | 125099.53     | 0.54     | *V | 0.0021       | 0.0834       |
| 90     | 14.063     |                | 123202.87     | 0.53     | *V | 0.0021       | 0.082        |
| 91     | 14.161     |                | 157391.04     | 0.68     | *V | 0.0026       | 0.1049       |
| 92     | 14.307     |                | 107857.51     | 0.47     | *V | 0.0018       | 0.0719       |
| 93     | 14.415     |                | 201672.79     | 0.87     | *V | 0.0034       | 0.134        |
| 94     | 14.599     |                | 281929.44     | 1.22     | *V | 0.0047       | 0.188        |
| 95     | 14.695     |                | 236785.57     | 1.02     | *V | 0.0039       | 0.1579       |
| 96     | 14.944     |                | 163759.38     | 0.71     | *V | 0.0027       | 0.1092       |
| 97     | 15.013     |                | 111433.01     | 0.48     | *V | 0.0019       | 0.074        |
| 98     | 15.079     |                | 73635.79      | 0.32     | *V | 0.0012       | 0.0491       |
| 99     | 15.238     |                | 280670.31     | 1.21     | *V | 0.0047       | 0.1871       |
| 100    | 15.365     |                | 230992.53     | 1.00     | *V | 0.0038       | 0.154        |
| 101    | 15.508     |                | 169368.91     | 0.73     | *V | 0.0028       | 0.112        |
| 102    | 15.676     |                | 191186.80     | 0.83     | *V | 0.0032       | 0.1275       |
| 103    | 15.780     |                | 216754.03     | 0.94     | *V | 0.0036       | 0.1445       |
| 104    | 15.932     |                | 215286.38     | 0.93     | *V | 0.0036       | 0.143        |
| 105    | 16.039     |                | 135583.22     | 0.59     | *V | 0.0023       | 0.0904       |
| 106    | 16.144     |                | 155511.85     | 0.67     | *V | 0.0026       | 0.1037       |
| 107    | 16.292     |                | 157823.38     | 0.68     | *V | 0.0026       | 0.105        |
| 108    | 16.348     |                | 118763.08     | 0.51     | *V | 0.0020       | 0.075        |
| 109    | 16.439     |                | 180133.42     | 0.78     | *V | 0.0030       | 0.1201       |
| 110    | 16.587     |                | 198010.43     | 0.85     | *V | 0.0033       | 0.132        |
| 111    | 16.680     |                | 179155.25     | 0.77     | *V | 0.0030       | 0.119        |
| 112    | 16.820     |                | 161359.86     | 0.70     | *V | 0.0027       | 0.1076       |
| 113    | 16.922     |                | 100413.30     | 0.43     | *V | 0.0017       | 0.0669       |
| 114    | 16.973     |                | 181808.56     | 0.78     | *V | 0.0030       | 0.121        |
| 115    | 17.142     |                | 240421.91     | 1.04     | *V | 0.0040       | 0.160        |
| 116    | 17.268     |                | 79182.82      | 0.34     | *V | 0.0013       | 0.0528       |
| 117    | 17.454     |                | 404023.15     | 1.74     | *V | 0.0067       | 0.2682       |
| 118    | 17.622     |                | 182379.27     | 0.79     | *V | 0.0030       | 0.1215       |
| 119    | 17.740     |                | 163071.47     | 0.70     | *V | 0.0027       | 0.1087       |
| 120    | 17.871     |                | 269782.21     | 1.16     | *V | 0.0045       | 0.1799       |
| 121    | 18.230     |                | 607219.32     | 2.62     | *V | 0.0101       | 0.404        |
| 122    | 18.415     |                | 200121.86     | 0.86     | *V | 0.0033       | 0.131        |
| 123    | 18.511     |                | 179822.88     | 0.78     | *V | 0.0030       | 0.1199       |
| 124    | 18.691     |                | 296598.11     | 1.28     | *V | 0.0049       | 0.1977       |
| 125    | 18.851     |                | 253863.72     | 1.10     | *V | 0.0042       | 0.1682       |
| 126    | 18.998     |                | 193014.98     | 0.83     | *V | 0.0032       | 0.1287       |
| 127    | 19.128     |                | 76773.10      | 0.33     | *V | 0.0013       | 0.0512       |
| 128    | 19.197     |                | 343482.79     | 1.48     | *V | 0.0057       | 0.221        |
| 129    | 19.438     |                | 206784.17     | 0.89     | *V | 0.0034       | 0.138        |

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|----|--------------|--------------|
| 130    | 19.583     |                | 220803.70     | 0.95     | *V | 0.0037       | 0.1472       |
| 131    | 19.879     |                | 327079.17     | 1.41     | *V | 0.0055       | 0.2181       |
| 132    | 20.158     | n-Pentacosane  | 779776.16     | 3.37     | *V | 0.7271       | 29.0838      |
| 133    | 20.436     |                | 100061.95     | 0.43     | *V | 0.0017       | 0.0667       |
| 134    | 20.583     |                | 837991.47     | 3.62     | *V | 0.0140       | 0.5587       |
| 135    | 21.247     |                | 272704.24     | 1.18     | *V | 0.0045       | 0.1818       |
| 136    | 21.502     |                | 299216.22     | 1.29     | *V | 0.0050       | 0.1995       |
| 137    | 21.730     |                | 57940.87      | 0.25     | *V | 0.0010       | 0.0386       |
| 138    | 21.811     |                | 130841.05     | 0.56     | *V | 0.0022       | 0.0872       |
| 139    | 21.890     |                | 214364.45     | 0.93     | *V | 0.0036       | 0.1429       |
| 140    | 22.136     |                | 241249.09     | 1.04     | *V | 0.0040       | 0.1608       |
| 141    | 22.404     |                | 330327.93     | 1.43     | *V | 0.0055       | 0.2202       |
| 142    | 22.655     |                | 93900.60      | 0.41     | *V | 0.0016       | 0.0626       |
| 143    | 22.750     |                | 120162.49     | 0.52     | *V | 0.0020       | 0.0801       |
| 144    | 22.922     |                | 193422.58     | 0.83     | *V | 0.0032       | 0.1289       |
| 145    | 23.171     |                | 242337.19     | 1.05     | *V | 0.0040       | 0.1616       |
| 146    | 23.349     |                | 177808.25     | 0.77     | *V | 0.0030       | 0.1185       |
| 147    | 23.547     |                | 99173.30      | 0.43     | *V | 0.0017       | 0.0661       |
| 148    | 23.609     |                | 74819.30      | 0.32     | *V | 0.0012       | 0.0499       |
| 149    | 23.730     |                | 148750.07     | 0.64     | *V | 0.0025       | 0.0992       |
| 150    | 23.924     |                | 399076.80     | 1.72     | *V | 0.0067       | 0.2661       |
| 151    | 24.347     |                | 194392.84     | 0.84     | *V | 0.0032       | 0.1296       |
| 152    | 24.544     |                | 121915.17     | 0.53     | *V | 0.0020       | 0.0813       |
| 153    | 24.725     |                | 222570.15     | 0.96     | *V | 0.0037       | 0.1484       |
| 154    | 24.956     |                | 187104.36     | 0.81     | *V | 0.0031       | 0.1247       |
| 155    | 25.248     |                | 280494.69     | 1.21     | *V | 0.0047       | 0.1870       |
| 156    | 25.665     |                | 241258.40     | 1.04     | *V | 0.0040       | 0.1608       |
| 157    | 26.033     |                | 447007.51     | 1.93     | *V | 0.0075       | 0.2980       |
| 158    | 26.764     |                | 134641.40     | 0.58     | *V | 0.0022       | 0.0898       |
| 159    | 26.924     |                | 559907.78     | 2.42     | *V | 0.0093       | 0.3733       |
| 160    | 28.077     |                | 206819.62     | 0.89     | *V | 0.0034       | 0.1379       |

23168090.20 100.00

Report Stored in ASCII File: S:\GHP\_05\0409\405A043.TX1

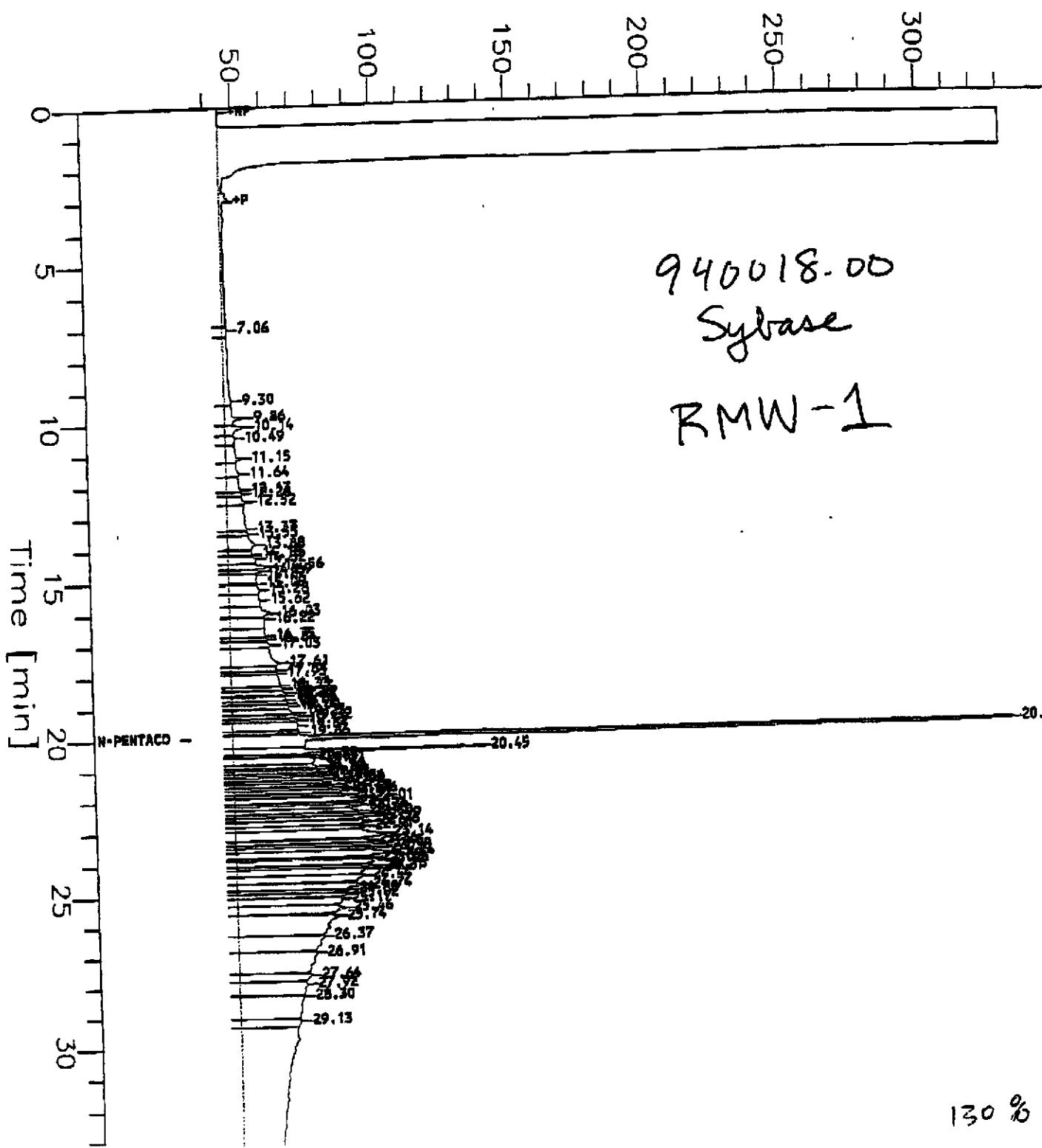
## Chromatogram

Sample Name : 09503177-1 (500:1) RESHOT  
File Name : z:\ghp\_04\0409\6048018.raw  
Method : ETPH048.ins  
Start Time : 0.00 min End Time : 33.67 min  
Scale Factor: -1.0 Plot Offset: 30 mV

Sample #: RMW-1  
Date : 4/6/95 21:50  
Time of Injections 4/6/95 21:16  
Low Point : 30.23 mV High Point : 330.23 mV  
Plot Scale: 300.0 mV

Page 1 of 1

Response [mV]



Software Version: 3.3 &lt;4B11&gt;

Sample Name : D9503I77-1 (500:1) RESHOT Time : 4/4/95 21:50

Sample Number: RMW-1 Study : EKI

Operator : BA

Instrument : GCHP\_04

AutoSampler : HP7673A

Rack/Vial : 1/68

Channel : B A/D mV Range : 1024

Interface Serial # : Data Acquisition Time: 4/4/95 21:16

Delay Time : 0.00 min.

End Time : 33.67 min.

Sampling Rate : 1.2500 pts/sec

Raw Data File : S:\GHP\_04\0409\404B018.RAW

Result File : S:\GHP\_04\0409\404B018.RST

Instrument File: S:\GHP\_04\MET\_SEQ\ETPH04B.ins

Process File : S:\GHP\_04\MET\_SEQ\ETPH04B

Sample File : S:\GHP\_04\MET\_SEQ\ETPH04B

Sequence File : S:\GHP\_04\MET\_SEQ\H040404.SEQ

Inj. Volume : 3 ul Area Reject : 0.000000

Sample Amount : 1.0000 Dilution Factor : 1.00

## Extractable TPH GCHP\_04B

| Peak #          | Time [min] | Component Name       | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|-----------------|------------|----------------------|---------------|----------|----|--------------|--------------|
|                 | 5.735      | n-C9 to n-C13 P.Thn. | 27122         | 0.04     |    | 0.0005       | 0.0181       |
|                 | 8.250      | n-C9 to n-C17 Jet    | 1307084       | 2.04     |    | 0.0218       | 0.8714       |
|                 | 11.250     | n-C9 to n-C24 TPH-D  | 6273189       | 9.77     |    | 5.1544       | 206.1743     |
|                 | 16.250     | n-C9 to n-C36 Total  | 28805445      | 44.85    |    | 0.4801       | 19.2036      |
|                 | 21.100     | n-C16 to n-C36       | 27807141      | 43.30    |    | 0.4635       | 18.5381      |
| <hr/>           |            |                      |               |          |    |              |              |
| 64219981 100.00 |            |                      |               |          |    |              |              |

Report Stored in ASCII File: S:\GHP\_04\0409\404B018.TX0

## Extractable TPH GCHP\_04B

| Peak # | Time   | Component Name | Area      | Area | BL | Soil    | Water  |
|--------|--------|----------------|-----------|------|----|---------|--------|
| #      | [min]  |                | [uV*sec]  | [%]  |    | [mg/kg] | [µg/L] |
| 1      | 7.058  |                | 27122.36  | 0.09 | *B | 0.0005  | 0.0181 |
| 2      | 9.303  |                | 218061.75 | 0.76 | *V | 0.0036  | 0.1454 |
| 3      | 9.855  |                | 118954.50 | 0.41 | *V | 0.0020  | 0.0793 |
| 4      | 10.141 |                | 78205.92  | 0.27 | *V | 0.0013  | 0.0521 |
| 5      | 10.494 |                | 58181.27  | 0.20 | *V | 0.0010  | 0.0388 |
| 6      | 11.152 |                | 125491.70 | 0.44 | *V | 0.0021  | 0.0837 |
| 7      | 11.643 |                | 108058.12 | 0.38 | *V | 0.0018  | 0.0720 |
| 8      | 12.134 |                | 129983.01 | 0.45 | *V | 0.0022  | 0.0867 |
| 9      | 12.260 |                | 41611.85  | 0.14 | *V | 0.0007  | 0.0277 |
| 10     | 12.518 |                | 92633.05  | 0.32 | *V | 0.0015  | 0.0618 |
| 11     | 13.373 |                | 308780.66 | 1.07 | *V | 0.0051  | 0.2059 |
| 12     | 13.532 |                | 63245.59  | 0.22 | *V | 0.0011  | 0.0422 |

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|----|--------------|--------------|
| 13     | 13.879     |                | 236621.69     | 0.82     | *V | 0.0039       | 0.1577       |
| 14     | 14.175     |                | 81559.78      | 0.28     | *V | 0.0014       | 0.0544       |
| 15     | 14.321     |                | 152160.68     | 0.53     | *V | 0.0025       | 0.1014       |
| 16     | 14.555     |                | 121382.09     | 0.42     | *V | 0.0020       | 0.0809       |
| 17     | 14.692     |                | 77662.51      | 0.27     | *V | 0.0013       | 0.0518       |
| 18     | 14.817     |                | 181367.43     | 0.63     | *V | 0.0030       | 0.1209       |
| 19     | 15.094     |                | 31513.82      | 0.11     | *V | 0.0005       | 0.0210       |
| 20     | 15.281     |                | 185296.84     | 0.64     | *V | 0.0031       | 0.1235       |
| 21     | 15.616     |                | 251014.64     | 0.87     | *V | 0.0042       | 0.1673       |
| 22     | 16.032     |                | 260018.95     | 0.90     | *V | 0.0043       | 0.1733       |
| 23     | 16.216     |                | 256506.58     | 0.89     | *V | 0.0035       | 0.1391       |
| 24     | 16.749     |                | 208715.14     | 0.72     | *V | 0.0016       | 0.0632       |
| 25     | 16.838     |                | 94766.16      | 0.33     | *V | 0.0029       | 0.1170       |
| 26     | 17.034     |                | 175528.86     | 0.61     | *V | 0.0090       | 0.3596       |
| 27     | 17.611     |                | 539465.33     | 1.87     | *V | 0.0026       | 0.1044       |
| 28     | 17.836     |                | 156592.18     | 0.54     | *V | 0.0015       | 0.0610       |
| 29     | 17.933     |                | 91442.02      | 0.32     | *V | 0.0068       | 0.2739       |
| 30     | 18.333     |                | 410833.91     | 1.43     | *V | 0.0024       | 0.0971       |
| 31     | 18.426     |                | 145697.71     | 0.51     | *V | 0.0028       | 0.1107       |
| 32     | 18.591     |                | 165999.50     | 0.58     | *V | 0.0008       | 0.0303       |
| 33     | 18.668     |                | 45385.41      | 0.16     | *V | 0.0028       | 0.1131       |
| 34     | 18.792     |                | 169715.28     | 0.59     | *V | 0.0021       | 0.0848       |
| 35     | 18.915     |                | 127153.45     | 0.44     | *V | 0.0030       | 0.1193       |
| 36     | 19.003     |                | 178987.54     | 0.62     | *V | 0.0037       | 0.1482       |
| 37     | 19.225     |                | 222283.59     | 0.77     | *V | 0.0031       | 0.1250       |
| 38     | 19.323     |                | 187490.78     | 0.65     | *V | 0.0025       | 0.0985       |
| 39     | 19.446     |                | 147697.16     | 0.51     | *V | 0.0065       | 0.2605       |
| 40     | 19.637     |                | 390735.28     | 1.36     | *V | 0.0029       | 0.1142       |
| 41     | 19.862     |                | 171308.42     | 0.59     | *V | 2.6119       | 104.4755     |
| 42     | 20.023     | n-Pentacosane  | 2950288.32    | 10.24    | *V | 0.0094       | 0.3778       |
| 43     | 20.453     |                | 566733.97     | 1.97     | *V | 0.0014       | 0.0571       |
| 44     | 20.588     |                | 85664.92      | 0.30     | *V | 0.0011       | 0.0433       |
| 45     | 20.640     |                | 65020.71      | 0.23     | *V | 0.0061       | 0.2450       |
| 46     | 20.709     |                | 367556.48     | 1.28     | *V | 0.0035       | 0.1395       |
| 47     | 20.957     |                | 209304.59     | 0.73     | *V | 0.020        | 0.0790       |
| 48     | 21.023     |                | 118452.28     | 0.41     | *V | 0.0032       | 0.1293       |
| 49     | 21.145     |                | 194012.29     | 0.67     | *V | 0.0021       | 0.0829       |
| 50     | 21.205     |                | 124378.98     | 0.43     | *V | 0.0017       | 0.0673       |
| 51     | 21.263     |                | 100998.17     | 0.35     | *V | 0.0036       | 0.1454       |
| 52     | 21.362     |                | 218077.94     | 0.76     | *V | 0.0033       | 0.1309       |
| 53     | 21.417     |                | 196385.16     | 0.68     | *V | 0.0042       | 0.1662       |
| 54     | 21.548     |                | 249340.01     | 0.87     | *V | 0.0040       | 0.1608       |
| 55     | 21.692     |                | 241162.87     | 0.84     | *V | 0.0047       | 0.1887       |
| 56     | 21.759     |                | 283036.55     | 0.98     | *V | 0.0041       | 0.1653       |
| 57     | 21.905     |                | 247948.25     | 0.86     | *V | 0.0081       | 0.3237       |
| 58     | 22.007     |                | 485555.26     | 1.69     | *V | 0.0033       | 0.1321       |
| 59     | 22.150     |                | 198097.92     | 0.69     | *V | 0.0052       | 0.2064       |
| 60     | 22.260     |                | 309671.99     | 1.08     | *V | 0.0058       | 0.2310       |
| 61     | 22.426     |                | 346454.68     | 1.20     | *V | 0.0043       | 0.1706       |
| 62     | 22.503     |                | 255888.04     | 0.89     | *V | 0.0062       | 0.2470       |
| 63     | 22.593     |                | 370479.15     | 1.29     | *V | 0.0080       | 0.3207       |
| 64     | 22.764     |                | 481069.55     | 1.67     | *V | 0.0061       | 0.2459       |
| 65     | 22.914     |                | 368872.62     | 1.28     | *V | 0.0151       | 0.6059       |
| 66     | 23.143     |                | 908902.92     | 3.16     | *V | 0.0057       | 0.2285       |
| 67     | 23.364     |                | 342796.03     | 1.19     | *V | 0.0046       | 0.1825       |
| 68     | 23.454     |                | 273737.63     | 0.95     | *V | 0.0061       | 0.2432       |
| 69     | 23.580     |                | 364846.92     | 1.27     | *V | 0.0110       | 0.4382       |
| 70     | 23.741     |                | 657335.29     | 2.28     | *V |              |              |

Result File : 404B018.RST, Printed On 4/4/95 21:50

| Peak #             | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [ $\mu$ g/L] |
|--------------------|------------|----------------|---------------|----------|----|--------------|--------------------|
| 71                 | 23.886     |                | 196561.54     | 0.68     | *V | 0.0033       | 0.1310             |
| 72                 | 23.956     |                | 553242.29     | 1.92     | *V | 0.0092       | 0.3688             |
| 73                 | 24.157     |                | 278518.32     | 0.97     | *V | 0.0046       | 0.1857             |
| 74                 | 24.210     |                | 555017.93     | 1.93     | *V | 0.0093       | 0.3700             |
| 75                 | 24.443     |                | 670174.89     | 2.33     | *V | 0.0112       | 0.4468             |
| 76                 | 24.735     |                | 545478.75     | 1.89     | *V | 0.0091       | 0.3637             |
| 77                 | 24.879     |                | 287633.84     | 1.00     | *V | 0.0048       | 0.1918             |
| 78                 | 25.023     |                | 310825.65     | 1.08     | *V | 0.0052       | 0.2072             |
| 79                 | 25.173     |                | 537082.89     | 1.86     | *V | 0.0090       | 0.3581             |
| 80                 | 25.464     |                | 662927.85     | 2.30     | *V | 0.0110       | 0.4420             |
| 81                 | 25.736     |                | 1342791.27    | 4.66     | *V | 0.0224       | 0.8952             |
| 82                 | 26.371     |                | 909993.83     | 3.16     | *V | 0.0152       | 0.6067             |
| 83                 | 26.911     |                | 1106299.28    | 3.84     | *V | 0.0184       | 0.7375             |
| 84                 | 27.635     |                | 420256.14     | 1.46     | *V | 0.0070       | 0.2802             |
| 85                 | 27.924     |                | 626633.10     | 2.18     | *V | 0.0104       | 0.4178             |
| 86                 | 28.298     |                | 1026217.73    | 3.56     | *V | 0.0171       | 0.6841             |
| 87                 | 29.125     |                | 358487.38     | 1.24     | *V | 0.0060       | 0.2390             |
| <hr/>              |            |                |               |          |    |              |                    |
| 28805444.65 100.00 |            |                |               |          |    |              |                    |

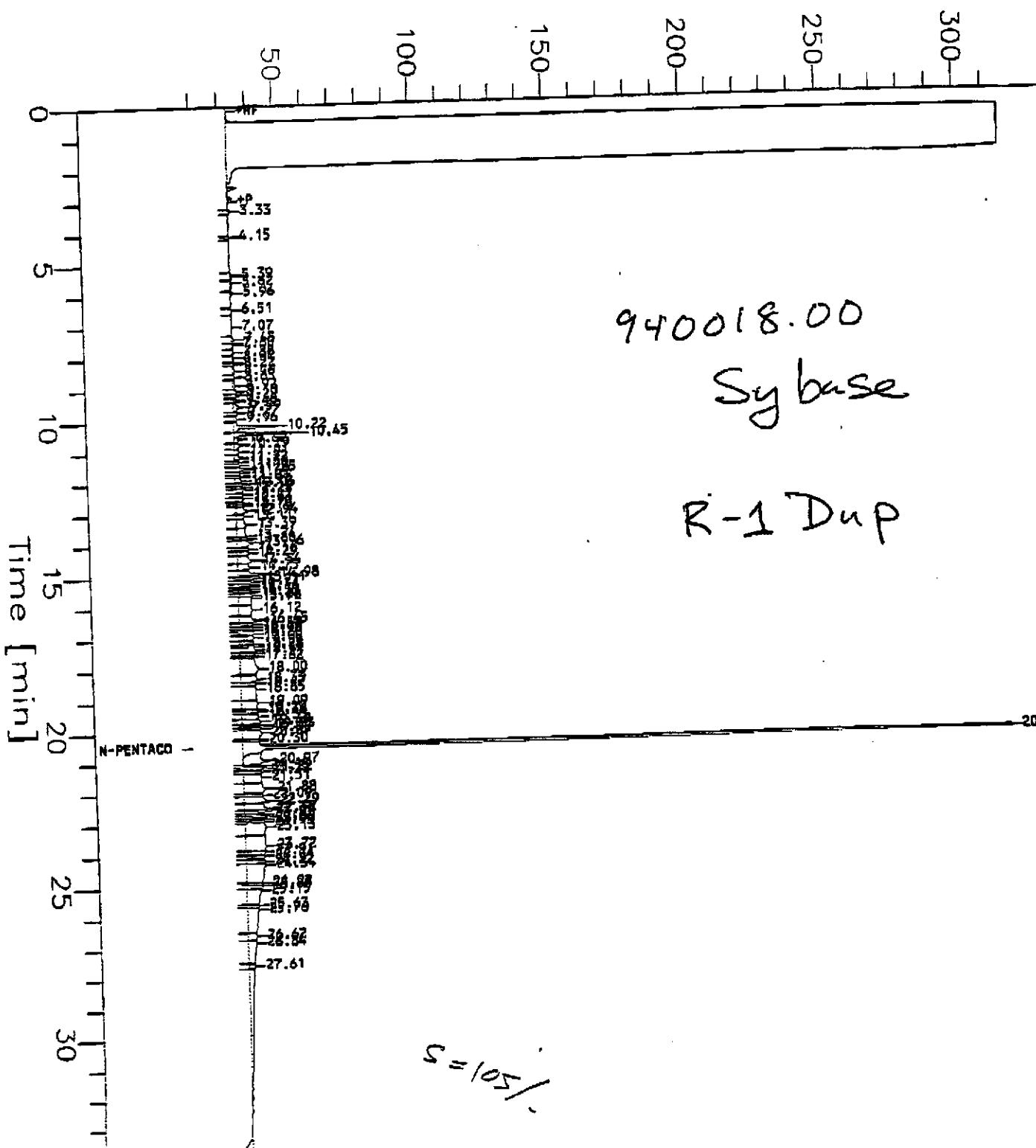
Report Stored in ASCII File: S:\GHP\_04\0409\404B018.TXT

Page 1 of 1

Sample Name : 09503177-2 (500:1)  
 File Name : e1ashp\_05\0402\3318037.raw  
 Method : ETPH05A.ins  
 Start Time : 0.00 min End Time : 33.67 min  
 Scale Factor: -1.0 Plot Offset: 15 mV

Sample #: R-1 DUP  
 Date : 4/1/95 10:25  
 Time of Injection: 4/1/95 09:51  
 Low Point : 15.44 mV High Point : 315.44 mV  
 Plot Scale: 300.0 mV

Response [mV]



Software Version: 3.3 <4B11>  
 Sample Name : D9503I77-2 (500:1)  
 Sample Number: R-1 DUP  
 Operator : TO

Time : 4/1/95 10:25  
 Study : EXI

Instrument : GCHP\_05  
 Autosampler : HP7673A  
 Rack/Vial : 1/87

Channel : B A/D mV Range : 1024

Interface Serial # : Data Acquisition Time: 4/1/95 09:51  
 Delay Time : 0.00 min.  
 End Time : 33.67 min.  
 Sampling Rate : 1.2500 pts/sec

Raw Data File : S:\GHP\_05\0402\331B037.RAW  
 Result File : S:\GHP\_05\0402\331B037.RST  
 Instrument File: S:\GHP\_05\MET\_SEQ\ETPH05A.ins  
 Process File : S:\GHP\_05\MET\_SEQ\ETPH05B  
 Sample File : S:\GHP\_05\MET\_SEQ\ETPH05B  
 Sequence File : S:\GHP\_05\MET\_SEQ\H050331.seq

Inj. Volume : 3 ul Area Reject : 0.000000  
 Sample Amount : 1.0000 Dilution Factor : 1.00

#### Extractable TPH GCHP\_05B

| Peak # | Time [min] | Component Name       | Area [uV*sec] | Area BL [%] | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------------|---------------|-------------|--------------|--------------|
|        | 8.250      | n-C9 to n-C17 Jet    | 698726.38     | 4.14        | 0.0116       | 0.4658       |
|        | 11.250     | n-C9 to n-C24 TPH-D  | 2428587.52    | 14.39       | 2.4334       | 97.3358      |
|        | 16.750     | n-C9 to n-C40 Total  | 7141152.83    | 42.32       | 0.1190       | 4.7608       |
|        | 19.875     | n-C16 to n-C36 M/Oil | 6606844.41    | 39.15       | 0.1101       | 4.4046       |
|        |            |                      | 16875311.14   | 100.00      |              |              |

Report Stored in ASCII File: S:\GHP\_05\0402\331B037.TX0

#### Extractable TPH GCHP\_05B

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area BL [%] | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|-------------|--------------|--------------|
| 1      | 3.330      |                | 3473.35       | 0.05 *B     | 5.7889e-05   | 0.0023       |
| 2      | 4.152      |                | 868.50        | 0.01 *V     | 1.4475e-05   | 0.0006       |
| 3      | 5.390      |                | 7018.63       | 0.10 *V     | 0.0001       | 0.0047       |
| 4      | 5.621      |                | 7458.87       | 0.10 *V     | 0.0001       | 0.0050       |
| 5      | 5.963      |                | 7387.45       | 0.10 *V     | 0.0001       | 0.0049       |
| 6      | 6.506      |                | 2524.38       | 0.04 *V     | 4.2073e-05   | 0.0017       |
| 7      | 7.065      |                | 7676.44       | 0.11 *V     | 0.0001       | 0.0051       |
| 8      | 7.446      |                | 5274.75       | 0.07 *V     | 8.7912e-05   | 0.0035       |
| 9      | 7.599      |                | 4699.45       | 0.07 *V     | 7.8324e-05   | 0.0031       |
| 10     | 7.876      |                | 3534.18       | 0.05 *V     | 5.8903e-05   | 0.0024       |
| 11     | 8.038      |                | 5587.08       | 0.08 *V     | 9.3118e-05   | 0.0037       |
| 12     | 8.218      |                | 2853.54       | 0.04 *V     | 4.7559e-05   | 0.0019       |
| 13     | 8.460      |                | 8446.10       | 0.12 *V     | 0.0001       | 0.0056       |

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|----|--------------|--------------|
| 14     | 8.645      |                | 5143.01       | 0.07     | *V | 8.5717e-05   | 0.0034       |
| 15     | 8.922      |                | 12640.39      | 0.18     | *V | 0.0002       | 0.0084       |
| 16     | 9.100      |                | 8705.12       | 0.12     | *V | 0.0001       | 0.0058       |
| 17     | 9.222      |                | 9452.21       | 0.13     | *V | 0.0002       | 0.0063       |
| 18     | 9.401      |                | 8112.99       | 0.11     | *V | 0.0001       | 0.0054       |
| 19     | 9.586      |                | 22787.78      | 0.32     | *V | 0.0004       | 0.0152       |
| 20     | 9.773      |                | 9352.86       | 0.13     | *V | 0.0002       | 0.0062       |
| 21     | 9.960      |                | 12131.03      | 0.17     | *V | 0.0002       | 0.0081       |
| 22     | 10.217     |                | 66281.88      | 0.93     | *V | 0.0011       | 0.0442       |
| 23     | 10.445     |                | 79781.08      | 1.12     | *V | 0.0013       | 0.0532       |
| 24     | 10.616     |                | 14381.47      | 0.20     | *E | 0.0002       | 0.0096       |
| 25     | 10.787     |                | 18347.10      | 0.26     | *V | 0.0003       | 0.0122       |
| 26     | 11.013     |                | 15145.26      | 0.21     | *V | 0.0003       | 0.0101       |
| 27     | 11.216     |                | 17644.90      | 0.25     | *V | 0.0003       | 0.0118       |
| 28     | 11.356     |                | 8909.68       | 0.12     | *V | 0.0001       | 0.0059       |
| 29     | 11.428     |                | 9442.13       | 0.13     | *V | 0.0002       | 0.0063       |
| 30     | 11.554     |                | 25560.47      | 0.36     | *V | 0.0004       | 0.0170       |
| 31     | 11.685     |                | 14982.02      | 0.21     | *V | 0.0002       | 0.0100       |
| 32     | 11.814     |                | 7616.12       | 0.11     | *V | 0.0001       | 0.0051       |
| 33     | 11.973     |                | 21407.37      | 0.30     | *V | 0.0004       | 0.0143       |
| 34     | 12.061     |                | 19967.01      | 0.28     | *V | 0.0003       | 0.0133       |
| 35     | 12.185     |                | 12143.53      | 0.17     | *V | 0.0002       | 0.0081       |
| 36     | 12.242     |                | 22936.99      | 0.32     | *V | 0.0004       | 0.0153       |
| 37     | 12.410     |                | 18268.79      | 0.26     | *V | 0.0003       | 0.0122       |
| 38     | 12.530     |                | 25755.59      | 0.36     | *V | 0.0004       | 0.0172       |
| 39     | 12.697     |                | 12052.98      | 0.17     | *V | 0.0002       | 0.0080       |
| 40     | 12.760     |                | 8237.20       | 0.12     | *V | 0.0001       | 0.0055       |
| 41     | 12.942     |                | 46149.46      | 0.65     | *V | 0.0008       | 0.0308       |
| 42     | 13.109     |                | 24911.96      | 0.35     | *V | 0.0004       | 0.0166       |
| 43     | 13.387     |                | 53675.28      | 0.75     | *V | 0.0009       | 0.0358       |
| 44     | 13.744     |                | 55131.45      | 0.77     | *V | 0.0009       | 0.0368       |
| 45     | 13.856     |                | 19402.30      | 0.27     | *V | 0.0003       | 0.0129       |
| 46     | 13.964     |                | 58432.38      | 0.82     | *V | 0.0010       | 0.0390       |
| 47     | 14.171     |                | 24262.31      | 0.34     | *V | 0.0004       | 0.0162       |
| 48     | 14.293     |                | 36582.09      | 0.51     | *V | 0.0006       | 0.0244       |
| 49     | 14.542     |                | 63838.48      | 0.89     | *V | 0.0011       | 0.0426       |
| 50     | 14.747     |                | 49158.72      | 0.69     | *V | 0.0008       | 0.0328       |
| 51     | 14.983     |                | 72596.40      | 1.02     | *V | 0.0012       | 0.0484       |
| 52     | 15.105     |                | 37039.29      | 0.52     | *V | 0.0006       | 0.0247       |
| 53     | 15.210     |                | 28426.51      | 0.40     | *V | 0.0005       | 0.0190       |
| 54     | 15.336     |                | 26837.20      | 0.38     | *V | 0.0004       | 0.0179       |
| 55     | 15.444     |                | 26854.16      | 0.38     | *V | 0.0004       | 0.0162       |
| 56     | 15.547     |                | 24253.77      | 0.34     | *V | 0.0004       | 0.0198       |
| 57     | 15.656     |                | 29703.62      | 0.42     | *V | 0.0005       | 0.0494       |
| 58     | 15.715     |                | 74108.05      | 1.04     | *V | 0.0012       | 0.0638       |
| 59     | 16.121     |                | 95643.46      | 1.34     | *V | 0.0016       | 0.0468       |
| 60     | 16.453     |                | 70153.64      | 0.98     | *V | 0.0012       | 0.0234       |
| 61     | 16.583     |                | 35040.60      | 0.49     | *V | 0.0006       | 0.0156       |
| 62     | 16.669     |                | 23326.86      | 0.33     | *V | 0.0004       | 0.0131       |
| 63     | 16.758     |                | 19590.92      | 0.27     | *V | 0.0003       | 0.0264       |
| 64     | 16.878     |                | 39563.29      | 0.55     | *V | 0.0007       | 0.0339       |
| 65     | 17.003     |                | 50870.08      | 0.71     | *V | 0.0008       | 0.0316       |
| 66     | 17.229     |                | 47413.18      | 0.66     | *V | 0.0008       | 0.0109       |
| 67     | 17.282     |                | 16411.53      | 0.23     | *V | 0.0003       | 0.0365       |
| 68     | 17.408     |                | 54745.79      | 0.77     | *V | 0.0009       | 0.0221       |
| 69     | 17.512     |                | 33169.83      | 0.46     | *V | 0.0006       | 0.0110       |
| 70     | 17.618     |                | 16527.84      | 0.23     | *V | 0.0003       | 0.1222       |
| 71     | 18.002     |                | 183310.39     | 2.57     | *V | 0.0031       |              |

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL     | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|--------|--------------|--------------|
| 72     | 18.333     |                | 79510.07      | 1.11 *V  | 0.0013 | 0.0530       |              |
| 73     | 18.468     |                | 39223.93      | 0.55 *V  | 0.0007 | 0.0261       |              |
| 74     | 18.651     |                | 152306.70     | 2.13 *V  | 0.0025 | 0.1015       |              |
| 75     | 19.086     |                | 87112.42      | 1.22 *V  | 0.0015 | 0.0581       |              |
| 76     | 19.294     |                | 17940.90      | 0.25 *V  | 0.0003 | 0.0120       |              |
| 77     | 19.356     |                | 41372.98      | 0.58 *V  | 0.0007 | 0.0276       |              |
| 78     | 19.530     |                | 60515.37      | 0.85 *V  | 0.0010 | 0.0403       |              |
| 79     | 19.687     |                | 61729.73      | 0.86 *V  | 0.0010 | 0.0412       |              |
| 80     | 19.828     |                | 46130.84      | 0.65 *V  | 0.0008 | 0.0308       |              |
| 81     | 19.917     |                | 32738.26      | 0.46 *V  | 0.0005 | 0.0218       |              |
| 82     | 20.071     |                | 120279.44     | 1.68 *V  | 0.0020 | 0.0802       |              |
| 83     | 20.299     |                | 19117.26      | 0.27 *V  | 0.0003 | 0.0127       |              |
| 84     | 20.537     | n-Pentacosane  | 2072486.02    | 29.02 *V | 2.1063 | 84.2522      |              |
| 85     | 20.972     |                | 139026.09     | 1.95 *E  | 0.0023 | 0.0927       |              |
| 86     | 21.147     |                | 19971.99      | 0.28 *V  | 0.0003 | 0.0133       |              |
| 87     | 21.221     |                | 48280.02      | 0.68 *V  | 0.0008 | 0.0322       |              |
| 88     | 21.318     |                | 45678.35      | 0.64 *V  | 0.0008 | 0.0305       |              |
| 89     | 21.512     |                | 112778.61     | 1.58 *V  | 0.0019 | 0.0752       |              |
| 90     | 21.881     |                | 141099.39     | 1.98 *V  | 0.0024 | 0.0941       |              |
| 91     | 22.094     |                | 37721.98      | 0.53 *V  | 0.0006 | 0.0251       |              |
| 92     | 22.285     |                | 101207.32     | 1.42 *V  | 0.0017 | 0.0662       |              |
| 93     | 22.522     |                | 99294.46      | 1.39 *V  | 0.0017 | 0.0272       |              |
| 94     | 22.599     |                | 40863.87      | 0.57 *V  | 0.0007 | 0.0224       |              |
| 95     | 22.708     |                | 33674.22      | 0.47 *V  | 0.0006 | 0.0273       |              |
| 96     | 22.799     |                | 40968.70      | 0.57 *V  | 0.0007 | 0.0189       |              |
| 97     | 22.863     |                | 28398.45      | 0.40 *V  | 0.0005 | 0.0225       |              |
| 98     | 22.948     |                | 33774.33      | 0.47 *V  | 0.0006 | 0.1140       |              |
| 99     | 23.125     |                | 171034.48     | 2.40 *V  | 0.0029 | 0.1402       |              |
| 100    | 23.724     |                | 210340.16     | 2.95 *V  | 0.0035 | 0.0362       |              |
| 101    | 23.907     |                | 54368.55      | 0.76 *V  | 0.0009 | 0.0356       |              |
| 102    | 24.044     |                | 53408.49      | 0.75 *V  | 0.0009 | 0.0357       |              |
| 103    | 24.224     |                | 53620.32      | 0.75 *V  | 0.0009 | 0.1563       |              |
| 104    | 24.335     |                | 234394.97     | 3.28 *V  | 0.0039 | 0.0151       |              |
| 105    | 24.917     |                | 22721.46      | 0.32 *V  | 0.0004 | 0.0288       |              |
| 106    | 25.001     |                | 43164.30      | 0.60 *V  | 0.0007 | 0.0944       |              |
| 107    | 25.146     |                | 141554.43     | 1.98 *V  | 0.0024 | 0.0160       |              |
| 108    | 25.628     |                | 23938.51      | 0.34 *V  | 0.0004 | 0.1207       |              |
| 109    | 25.763     |                | 180985.34     | 2.53 *V  | 0.0030 | 0.0300       |              |
| 110    | 26.623     |                | 44958.69      | 0.63 *V  | 0.0007 | 0.0785       |              |
| 111    | 26.838     |                | 117707.62     | 1.65 *V  | 0.0020 | 0.0164       |              |
| 112    | 27.613     |                | 24633.30      | 0.34 *V  | 0.0004 |              |              |

7141152.83 100.00

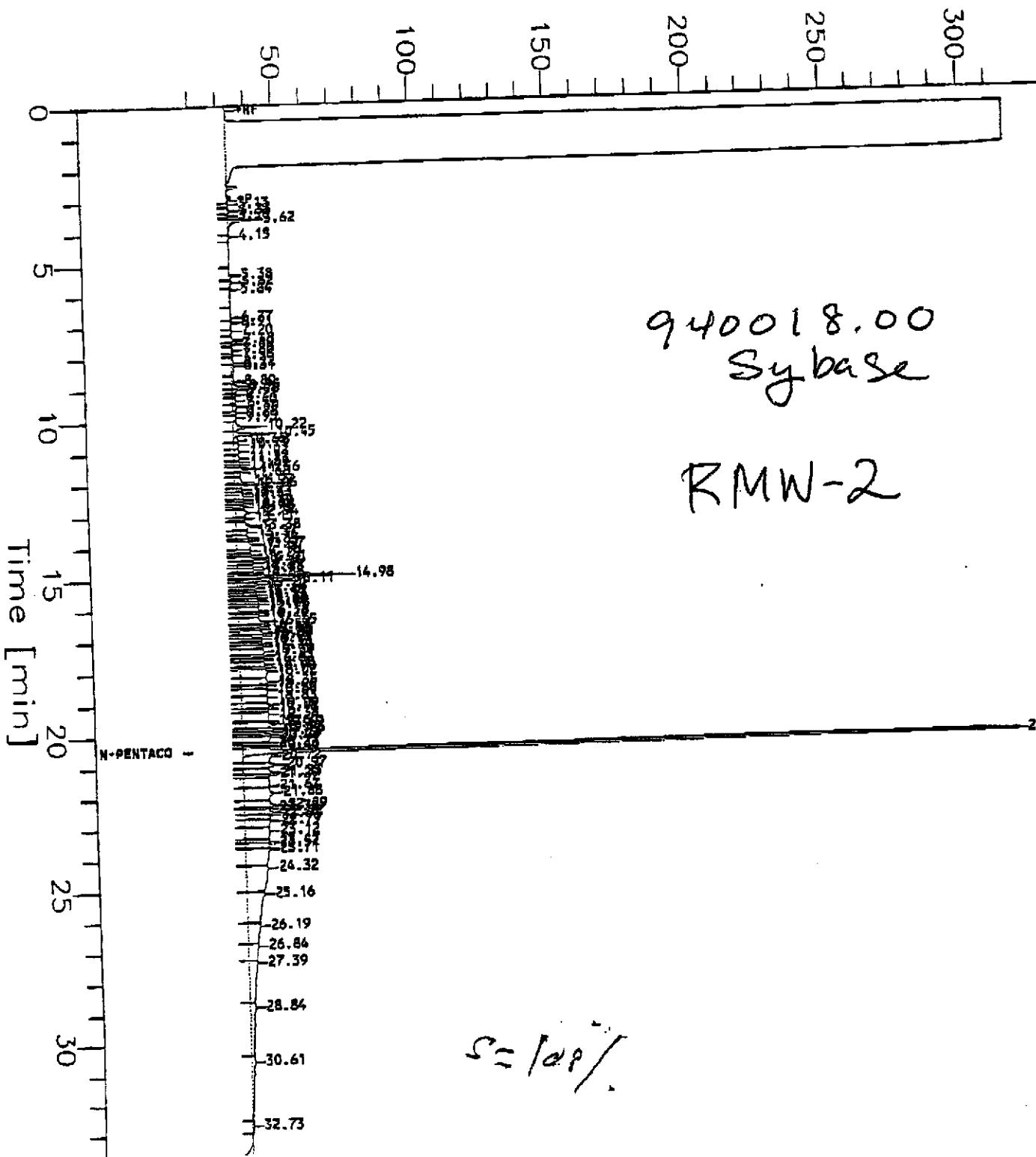
Report Stored in ASCII File: S:\GHP\_05\0402\331B037.TX1

Sample Name : D9503177-3 (300:1)  
FileName : s:\ghp\_05\0402\3318038.raw  
Method : ETPH05A.ins  
Start Time : 0.00 min End Time : 33.67 min  
Scale Factor: -1.0 Plot Offset: 16 mV

Sample #: RMW-2  
Date : 4/1/95 11:06  
Time of Injection: 4/1/95 10:32  
Low Point : 15.69 mV High Point : 315.69 mV  
Plot Scale: 300.0 mV

Page 1 of 1

Response [mV]



APR 20 '95 08:50AM SEQUOIA ANALYTICAL

P.11

Software Version: 3.3 <4B11>  
 Sample Name : D9503177-3 (500:1)  
 Sample Number: RMW-2  
 Operator : TO

Time : 4/1/95 11:06  
 Study : EKI

Instrument : GCHP\_05  
 AutoSampler : HP7673A  
 Rack/Vial : 1/88

Channel : B A/D mV Range : 1024

Interface Serial # : Data Acquisition Time: 4/1/95 10:32  
 Delay Time : 0.00 min.  
 End Time : 33.67 min.  
 Sampling Rate : 1.2500 pts/sec

Raw Data File : S:\GHP\_05\0402\331B038.RAW  
 Result File : S:\GHP\_05\0402\331B038.RST  
 Instrument File: S:\GHP\_05\MET\_SEQ\ETPH05A.ins  
 Process File : S:\GHP\_05\MET\_SEQ\ETPH05B  
 Sample File : S:\GHP\_05\MET\_SEQ\ETPH05B  
 Sequence File : S:\GHP\_05\MET\_SEQ\H050331.seq

Inj. Volume : 3 ul Area Reject : 0.000000  
 Sample Amount : 1.0000 Dilution Factor : 1.00

## Extractable TPH GCHP\_05B

| Peak #             | Time [min] | Component Name       | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------------------|------------|----------------------|---------------|----------|----|--------------|--------------|
|                    | 8.250      | n-C9 to n-C17 Jet    | 809987.48     | 3.51     |    | 0.0135       | 0.5400       |
|                    | 11.250     | n-C9 to n-C24 TPH-D  | 3685238.43    | 15.99    |    | 3.6925       | 147.7014     |
|                    | 16.750     | n-C9 to n-C40 Total  | 9637769.81    | 41.81    |    | 0.1606       | 6.4252       |
|                    | 19.875     | n-C16 to n-C36 M/Oil | 8920471.11    | 38.69    |    | 0.1487       | 5.9470       |
| 23053466.83 100.00 |            |                      |               |          |    |              |              |

Report Stored in ASCII File: S:\GHP\_05\0402\331B038.TX0

## Extractable TPH GCHP\_05B

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|----|--------------|--------------|
| 1      | 3.134      |                | 919.13        | 9e-03    | *B | 1.5319e-05   | 0.0006       |
| 2      | 3.333      |                | 4436.22       | 0.05     | *V | 7.3937e-05   | 0.0030       |
| 3      | 3.498      |                | 813.66        | 8e-03    | *V | 1.3561e-05   | 0.0005       |
| 4      | 3.620      |                | 51097.08      | 0.52     | *V | 0.0009       | 0.0341       |
| 5      | 4.147      |                | 2536.88       | 0.03     | *V | 4.2281e-05   | 0.0017       |
| 6      | 5.379      |                | 8876.78       | 0.09     | *V | 0.0001       | 0.0059       |
| 7      | 5.616      |                | 9178.01       | 0.09     | *V | 0.0002       | 0.0061       |
| 8      | 5.843      |                | 7441.78       | 0.08     | *V | 0.0001       | 0.0050       |
| 9      | 6.767      |                | 6329.32       | 0.06     | *V | 0.0001       | 0.0042       |
| 10     | 6.914      |                | 5244.14       | 0.05     | *V | 8.7402e-05   | 0.0035       |
| 11     | 7.199      |                | 2607.28       | 0.03     | *V | 4.3455e-05   | 0.0017       |
| 12     | 7.480      |                | 5542.06       | 0.06     | *V | 9.2368e-05   | 0.0037       |
| 13     | 7.604      |                | 2842.57       | 0.03     | *V | 4.7376e-05   | 0.0019       |

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|----|--------------|--------------|
| 14     | 7.796      |                | 5643.57       | 0.06     | *V | 9.4060e-05   | 0.0038       |
| 15     | 7.960      |                | 2746.29       | 0.03     | *V | 4.5771e-05   | 0.0018       |
| 16     | 8.216      |                | 7929.59       | 0.08     | *V | 0.0001       | 0.0053       |
| 17     | 8.307      |                | 15123.20      | 0.16     | *V | 0.0003       | 0.0101       |
| 18     | 8.803      |                | 9988.74       | 0.10     | *V | 0.0002       | 0.0067       |
| 19     | 8.949      |                | 18123.40      | 0.19     | *V | 0.0003       | 0.0121       |
| 20     | 9.055      |                | 12505.21      | 0.13     | *V | 0.0002       | 0.0083       |
| 21     | 9.213      |                | 9146.00       | 0.09     | *V | 0.0002       | 0.0061       |
| 22     | 9.402      |                | 13397.04      | 0.14     | *V | 0.0002       | 0.0089       |
| 23     | 9.596      |                | 17187.95      | 0.18     | *V | 0.0003       | 0.0115       |
| 24     | 9.778      |                | 8336.55       | 0.09     | *V | 0.0001       | 0.0056       |
| 25     | 9.948      |                | 13377.15      | 0.14     | *V | 0.0002       | 0.0089       |
| 26     | 10.218     |                | 45665.34      | 0.47     | *V | 0.0008       | 0.0319       |
| 27     | 10.448     |                | 47853.55      | 0.49     | *V | 0.0002       | 0.0091       |
| 28     | 10.653     |                | 13716.51      | 0.14     | *E | 0.0002       | 0.0136       |
| 29     | 10.787     |                | 20358.92      | 0.21     | *V | 0.0003       | 0.0123       |
| 30     | 11.015     |                | 18436.62      | 0.19     | *V | 0.0003       | 0.0138       |
| 31     | 11.224     |                | 20723.54      | 0.21     | *V | 0.0003       | 0.0085       |
| 32     | 11.340     |                | 12682.10      | 0.13     | *V | 0.0002       | 0.0063       |
| 33     | 11.424     |                | 9522.86       | 0.10     | *V | 0.0002       | 0.0221       |
| 34     | 11.555     |                | 33209.74      | 0.34     | *V | 0.0006       | 0.0126       |
| 35     | 11.680     |                | 18856.84      | 0.19     | *V | 0.0003       | 0.0213       |
| 36     | 11.974     |                | 31971.28      | 0.33     | *V | 0.0005       | 0.0199       |
| 37     | 12.062     |                | 29783.07      | 0.31     | *V | 0.0005       | 0.0108       |
| 38     | 12.229     |                | 16206.33      | 0.17     | *V | 0.0003       | 0.0071       |
| 39     | 12.332     |                | 10632.90      | 0.11     | *V | 0.0002       | 0.0192       |
| 40     | 12.412     |                | 28843.67      | 0.30     | *V | 0.0005       | 0.0079       |
| 41     | 12.536     |                | 11897.13      | 0.12     | *V | 0.0002       | 0.0096       |
| 42     | 12.623     |                | 14436.95      | 0.15     | *V | 0.0002       | 0.0084       |
| 43     | 12.686     |                | 12649.70      | 0.13     | *V | 0.0002       | 0.0117       |
| 44     | 12.757     |                | 17605.62      | 0.18     | *V | 0.0003       | 0.0373       |
| 45     | 12.943     |                | 55938.09      | 0.57     | *V | 0.0009       | 0.0178       |
| 46     | 13.109     |                | 26686.83      | 0.27     | *V | 0.0004       | 0.0473       |
| 47     | 13.380     |                | 70940.26      | 0.73     | *V | 0.0012       | 0.0229       |
| 48     | 13.569     |                | 34422.20      | 0.35     | *V | 0.0006       | 0.0240       |
| 49     | 13.737     |                | 35939.32      | 0.37     | *V | 0.0006       | 0.0096       |
| 50     | 13.830     |                | 14406.08      | 0.15     | *V | 0.0002       | 0.0547       |
| 51     | 13.970     |                | 82051.80      | 0.84     | *V | 0.0014       | 0.0209       |
| 52     | 14.160     |                | 31275.71      | 0.32     | *V | 0.0005       | 0.0248       |
| 53     | 14.288     |                | 37190.16      | 0.38     | *V | 0.0006       | 0.0347       |
| 54     | 14.414     |                | 52096.30      | 0.53     | *V | 0.0009       | 0.0276       |
| 55     | 14.542     |                | 41429.86      | 0.43     | *V | 0.0007       | 0.0207       |
| 56     | 14.667     |                | 30990.17      | 0.32     | *V | 0.0005       | 0.0351       |
| 57     | 14.747     |                | 52594.83      | 0.54     | *V | 0.0009       | 0.0191       |
| 58     | 14.879     |                | 28598.04      | 0.29     | *V | 0.0005       | 0.0924       |
| 59     | 14.983     |                | 138621.56     | 1.42     | *V | 0.0023       | 0.0458       |
| 60     | 15.105     |                | 68703.22      | 0.71     | *V | 0.0011       |              |
| 61     | 15.212     |                | 47764.66      | 0.49     | *V | 0.0008       | 0.0318       |
| 62     | 15.340     |                | 39721.30      | 0.41     | *V | 0.0007       | 0.0265       |
| 63     | 15.458     |                | 35874.28      | 0.37     | *V | 0.0006       | 0.0239       |
| 64     | 15.566     |                | 43017.00      | 0.44     | *V | 0.0007       | 0.0287       |
| 65     | 15.661     |                | 45005.11      | 0.46     | *V | 0.0008       | 0.0300       |
| 66     | 15.718     |                | 22582.58      | 0.23     | *V | 0.0004       | 0.0151       |
| 67     | 15.796     |                | 40463.67      | 0.42     | *V | 0.0007       | 0.0270       |
| 68     | 15.877     |                | 40787.60      | 0.42     | *V | 0.0007       | 0.0272       |
| 69     | 16.102     |                | 57015.88      | 0.89     | *V | 0.0015       | 0.0580       |
| 70     | 16.157     |                | 23378.51      | 0.24     | *V | 0.0004       | 0.0156       |
| 71     | 16.321     |                | 45952.55      | 0.47     | *V | 0.0008       | 0.0306       |

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL     | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|--------|--------------|--------------|
| 72     | 16.453     |                | 108692.21     | 1.12 *V  | 0.0018 | 0.0725       |              |
| 73     | 16.569     |                | 55457.42      | 0.57 *V  | 0.0009 | 0.0370       |              |
| 74     | 16.683     |                | 30982.52      | 0.32 *V  | 0.0005 | 0.0207       |              |
| 75     | 16.803     |                | 65556.35      | 0.67 *V  | 0.0011 | 0.0437       |              |
| 76     | 16.872     |                | 45996.93      | 0.47 *V  | 0.0008 | 0.0307       |              |
| 77     | 16.977     |                | 58321.30      | 0.60 *V  | 0.0010 | 0.0389       |              |
| 78     | 17.133     |                | 51635.65      | 0.53 *V  | 0.0009 | 0.0344       |              |
| 79     | 17.203     |                | 59455.83      | 0.61 *V  | 0.0010 | 0.0396       |              |
| 80     | 17.387     |                | 95963.31      | 0.98 *V  | 0.0016 | 0.0640       |              |
| 81     | 17.508     |                | 56061.80      | 0.58 *V  | 0.0009 | 0.0410       |              |
| 82     | 17.615     |                | 61536.27      | 0.63 *V  | 0.0010 | 0.0561       |              |
| 83     | 17.782     |                | 84170.88      | 0.86 *V  | 0.0014 | 0.0244       |              |
| 84     | 17.895     |                | 36636.80      | 0.38 *V  | 0.0006 | 0.1012       |              |
| 85     | 18.018     |                | 151871.56     | 1.56 *V  | 0.0025 | 0.0914       |              |
| 86     | 18.349     |                | 137083.26     | 1.41 *V  | 0.0023 | 0.0450       |              |
| 87     | 18.458     |                | 67448.93      | 0.69 *V  | 0.0011 | 0.0804       |              |
| 88     | 18.602     |                | 120604.52     | 1.24 *V  | 0.0020 | 0.0897       |              |
| 89     | 18.831     |                | 134535.16     | 1.38 *V  | 0.0022 | 0.0621       |              |
| 90     | 19.088     |                | 93223.02      | 0.96 *V  | 0.0016 | 0.0465       |              |
| 91     | 19.184     |                | 69814.02      | 0.72 *V  | 0.0012 | 0.1135       |              |
| 92     | 19.384     |                | 170320.81     | 1.75 *V  | 0.0028 | 0.0156       |              |
| 93     | 19.600     |                | 23409.37      | 0.24 *V  | 0.0004 | 0.0727       |              |
| 94     | 19.685     |                | 109106.18     | 1.12 *V  | 0.0018 | 0.0416       |              |
| 95     | 19.831     |                | 62442.26      | 0.64 *V  | 0.0010 | 0.0388       |              |
| 96     | 19.916     |                | 58151.04      | 0.60 *V  | 0.0010 | 0.0322       |              |
| 97     | 20.026     |                | 48273.13      | 0.50 *V  | 0.0008 | 0.0744       |              |
| 98     | 20.090     |                | 111607.48     | 1.15 *V  | 0.0019 | 0.0256       |              |
| 99     | 20.266     |                | 38375.71      | 0.39 *V  | 0.0006 | 0.0203       |              |
| 100    | 20.333     |                | 30505.67      | 0.31 *V  | 0.0005 | 0.0207       |              |
| 101    | 20.398     |                | 31059.54      | 0.32 *V  | 0.0005 | 86.7426      |              |
| 102    | 20.538     | n-Pentacosane  | 2133747.32    | 21.90 *V | 2.1686 |              |              |
| 103    | 20.721     |                | 145553.21     | 1.49 *E  | 0.0024 | 0.0970       |              |
| 104    | 20.974     |                | 122237.45     | 1.25 *V  | 0.0020 | 0.0815       |              |
| 105    | 21.225     |                | 101079.66     | 1.04 *V  | 0.0017 | 0.0674       |              |
| 106    | 21.293     |                | 59789.20      | 0.61 *V  | 0.0010 | 0.0399       |              |
| 107    | 21.667     |                | 185969.06     | 1.91 *V  | 0.0031 | 0.1240       |              |
| 108    | 21.884     |                | 229759.55     | 2.36 *V  | 0.0038 | 0.1532       |              |
| 109    | 22.288     |                | 142080.88     | 1.46 *V  | 0.0024 | 0.0947       |              |
| 110    | 22.375     |                | 29230.34      | 0.30 *V  | 0.0005 | 0.0195       |              |
| 111    | 22.521     |                | 99588.17      | 1.02 *V  | 0.0017 | 0.0664       |              |
| 112    | 22.609     |                | 96110.10      | 0.99 *V  | 0.0016 | 0.0641       |              |
| 113    | 22.794     |                | 130444.68     | 1.34 *V  | 0.0022 | 0.0870       |              |
| 114    | 23.122     |                | 212181.73     | 2.18 *V  | 0.0035 | 0.1415       |              |
| 115    | 23.468     |                | 55643.24      | 0.57 *V  | 0.0009 | 0.0371       |              |
| 116    | 23.523     |                | 90885.60      | 0.93 *V  | 0.0015 | 0.0606       |              |
| 117    | 23.711     |                | 278254.58     | 2.86 *V  | 0.0046 | 0.1855       |              |
| 118    | 24.321     |                | 378552.98     | 3.88 *V  | 0.0063 | 0.2524       |              |
| 119    | 25.161     |                | 318299.57     | 3.27 *V  | 0.0053 | 0.2122       |              |
| 120    | 26.192     |                | 166115.42     | 1.70 *V  | 0.0028 | 0.1107       |              |
| 121    | 26.843     |                | 110186.25     | 1.13 *V  | 0.0018 | 0.0735       |              |
| 122    | 27.390     |                | 196949.62     | 2.02 *V  | 0.0033 | 0.1313       |              |
| 123    | 28.839     |                | 156942.38     | 1.61 *V  | 0.0026 | 0.1046       |              |
| 124    | 30.611     |                | 96944.16      | 0.99 *V  | 0.0016 | 0.0646       |              |
| 125    | 32.729     |                | 9886.07       | 0.10 *V  | 0.0002 | 0.0066       |              |

9744600.05 100.00

## Chromatogram

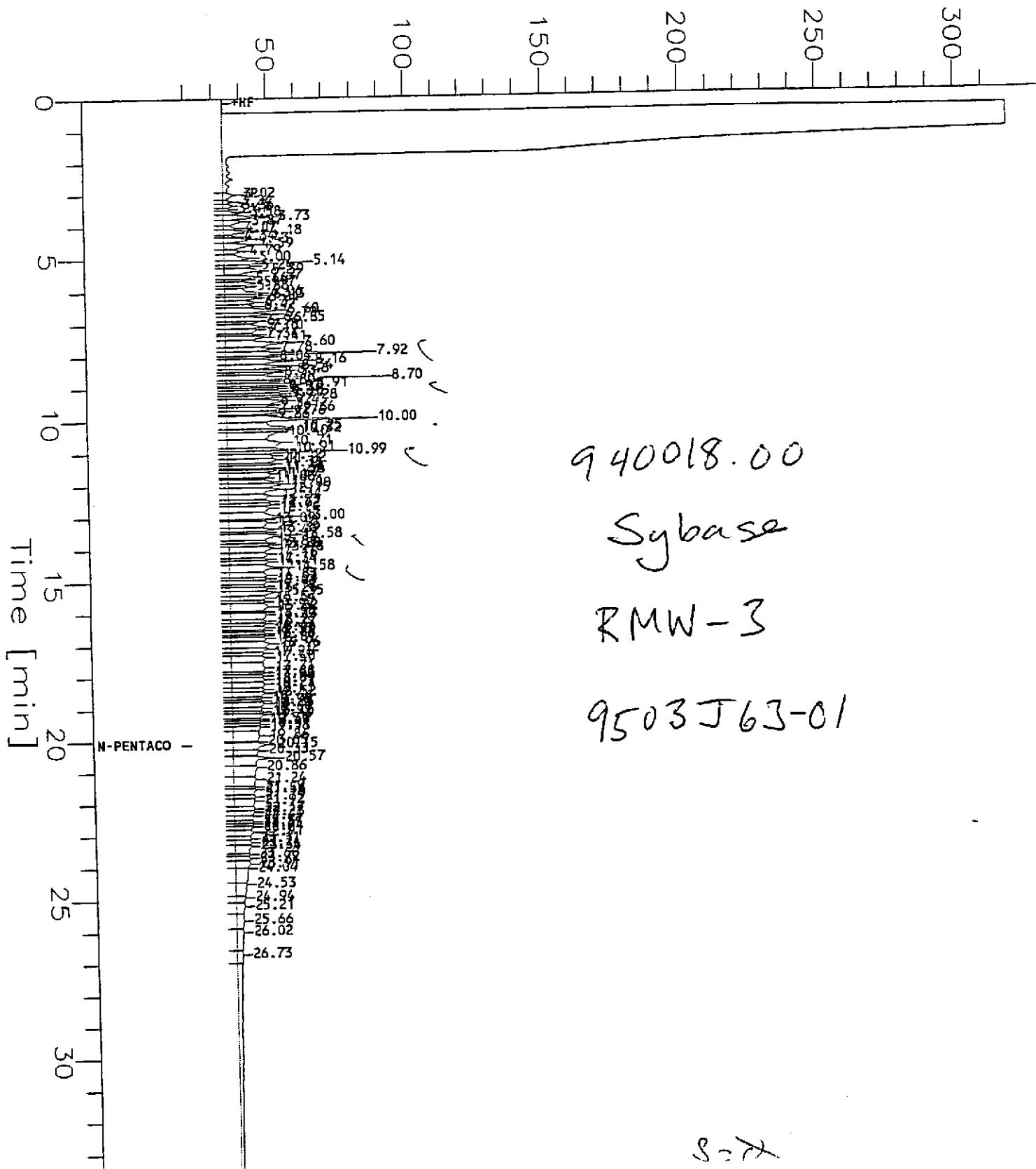
COPY

Page 1 of 1

Sample Name : D9503J63-1 (500:1\*200)RE-SHOT  
FileName : s:\ghp\_05\0409\405A041.raw  
Method : ETPH05A.ins  
Start Time : 0.00 min End Time : 33.67 min  
Scale Factor: -1.0 Plot Offset: 19 mV

Sample #: RMW03  
Date : 4/6/95 19:24  
Time of Injection: 4/6/95 18:50  
Low Point : 18.79 mV High Point : 318.79 mV  
Plot Scale: 300.0 mV

Response [mV]



=====  
Software Version: 3.3 <4B11>  
Sample Name : D9503J63-1 (500:1\*200)RE-SHOT Time : 4/6/95 19:24  
Sample Number: RMW03 Study : EKI  
Operator :

Instrument : GCHP\_05 Channel : A A/D mV Range : 1024  
AutoSampler : HP7673A  
Rack/Vial : 1/41

Interface Serial # : Data Acquisition Time: 4/6/95 18:50  
Delay Time : 0.00 min.  
End Time : 33.67 min.  
Sampling Rate : 1.2500 pts/sec

Raw Data File : S:\GHP\_05\0409\405A041.RAW  
Result File : S:\GHP\_05\0409\405A041.RST  
Instrument File: S:\GHP\_05\MET\_SEQ\ETPH05A.ins  
Process File : S:\GHP\_05\MET\_SEQ\ETPH05A  
Sample File : S:\GHP\_05\MET\_SEQ\ETPH05A  
Sequence File : S:\GHP\_05\MET\_SEQ\H050405.SEQ

Inj. Volume : 3 ul Area Reject : 0.000000  
Sample Amount : 1.0000 Dilution Factor : 1.00

=====  
Extractable TPH GCHP\_05A

| Peak # | Time [min] | Component Name       | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------------|---------------|----------|----|--------------|--------------|
|        | 8.250      | n-C9 to n-C17 Jet    | 8610493.17    | 18.88    |    | 0.1435       | 5.7403       |
|        | 11.250     | n-C9 to n-C24 TPH-D  | 13106818.16   | 28.74    |    | 12.1132      | 484.527      |
|        | 16.750     | n-C9 to n-C40 Total  | 15707252.80   | 34.44    |    | 0.2618       | 10.471       |
|        | 19.875     | n-C16 to n-C36 M/Oil | 8177346.04    | 17.93    |    | 0.1363       | 5.4516       |
|        |            |                      | 45601910.17   | 100.00   |    |              |              |

Report Stored in ASCII File: S:\GHP\_05\0409\405A041.TX0

=====  
Extractable TPH GCHP\_05A

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|----|--------------|--------------|
| 1      | 3.015      |                | 35087.53      | 0.22     | *B | 0.0006       | 0.0234       |
| 2      | 3.238      |                | 14715.48      | 0.09     | *V | 0.0002       | 0.0008       |
| 3      | 3.358      |                | 21092.36      | 0.13     | *V | 0.0004       | 0.014        |
| 4      | 3.467      |                | 9177.76       | 0.06     | *V | 0.0002       | 0.0061       |
| 5      | 3.583      |                | 32022.80      | 0.20     | *V | 0.0005       | 0.0213       |
| 6      | 3.728      |                | 90665.60      | 0.58     | *V | 0.0015       | 0.061        |
| 7      | 3.868      |                | 48031.84      | 0.31     | *V | 0.0008       | 0.0320       |
| 8      | 4.069      |                | 24887.60      | 0.16     | *V | 0.0004       | 0.0166       |
| 9      | 4.175      |                | 74255.60      | 0.47     | *V | 0.0012       | 0.0416       |
| 10     | 4.339      |                | 14737.16      | 0.09     | *V | 0.0002       | 0.0008       |
| 11     | 4.430      |                | 60890.19      | 0.39     | *V | 0.0010       | 0.0406       |
| 12     | 4.592      |                | 81629.28      | 0.52     | *V | 0.0014       | 0.0514       |
| 13     | 4.792      |                | 44933.56      | 0.29     | *V | 0.0007       | 0.0300       |

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|----|--------------|--------------|
| 14     | 5.002      |                | 71159.88      | 0.45     | *V | 0.0012       | 0.0474       |
| 15     | 5.138      |                | 125499.48     | 0.80     | *V | 0.0021       | 0.0837       |
| 16     | 5.242      |                | 51705.54      | 0.33     | *V | 0.0009       | 0.0345       |
| 17     | 5.394      |                | 124271.98     | 0.79     | *V | 0.0021       | 0.0828       |
| 18     | 5.574      |                | 75973.98      | 0.48     | *V | 0.0013       | 0.0506       |
| 19     | 5.662      |                | 27543.98      | 0.18     | *V | 0.0005       | 0.0184       |
| 20     | 5.765      |                | 63877.89      | 0.41     | *V | 0.0011       | 0.0426       |
| 21     | 5.876      |                | 42837.95      | 0.27     | *V | 0.0007       | 0.0286       |
| 22     | 6.060      |                | 98935.07      | 0.63     | *V | 0.0016       | 0.0660       |
| 23     | 6.130      |                | 59609.89      | 0.38     | *V | 0.0010       | 0.0397       |
| 24     | 6.212      |                | 65676.99      | 0.42     | *V | 0.0011       | 0.0438       |
| 25     | 6.351      |                | 70430.90      | 0.45     | *V | 0.0012       | 0.0470       |
| 26     | 6.471      |                | 63389.82      | 0.40     | *V | 0.0011       | 0.0423       |
| 27     | 6.599      |                | 134387.10     | 0.86     | *V | 0.0022       | 0.0896       |
| 28     | 6.716      |                | 83178.68      | 0.53     | *V | 0.0014       | 0.0555       |
| 29     | 6.852      |                | 134169.91     | 0.85     | *V | 0.0022       | 0.0894       |
| 30     | 6.943      |                | 50195.68      | 0.32     | *V | 0.0008       | 0.0335       |
| 31     | 7.098      |                | 99099.97      | 0.63     | *V | 0.0017       | 0.0661       |
| 32     | 7.187      |                | 93522.08      | 0.60     | *V | 0.0016       | 0.0623       |
| 33     | 7.340      |                | 43683.74      | 0.28     | *V | 0.0007       | 0.0291       |
| 34     | 7.412      |                | 97264.65      | 0.62     | *V | 0.0016       | 0.0648       |
| 35     | 7.603      |                | 220789.54     | 1.41     | *V | 0.0037       | 0.1472       |
| 36     | 7.778      |                | 119396.02     | 0.76     | *V | 0.0020       | 0.0796       |
| 37     | 7.923      |                | 239372.19     | 1.52     | *V | 0.0040       | 0.1596       |
| 38     | 8.035      |                | 70630.23      | 0.45     | *V | 0.0012       | 0.1398       |
| 39     | 8.162      |                | 209683.49     | 1.33     | *V | 0.0035       | 0.1031       |
| 40     | 8.337      |                | 154583.03     | 0.98     | *V | 0.0026       | 0.0708       |
| 41     | 8.464      |                | 106163.37     | 0.68     | *V | 0.0018       | 0.0506       |
| 42     | 8.531      |                | 75861.75      | 0.48     | *V | 0.0013       | 0.1899       |
| 43     | 8.703      |                | 284873.14     | 1.81     | *V | 0.0047       | 0.0611       |
| 44     | 8.796      |                | 91581.42      | 0.58     | *V | 0.0015       | 0.0856       |
| 45     | 8.905      |                | 128430.18     | 0.82     | *V | 0.0021       | 0.0401       |
| 46     | 8.969      |                | 60076.53      | 0.38     | *V | 0.0010       | 0.0505       |
| 47     | 9.031      |                | 75813.54      | 0.48     | *V | 0.0013       | 0.0724       |
| 48     | 9.116      |                | 108577.05     | 0.69     | *V | 0.0018       | 0.0623       |
| 49     | 9.197      |                | 93395.18      | 0.59     | *V | 0.0016       | 0.0811       |
| 50     | 9.278      |                | 121642.13     | 0.77     | *V | 0.0020       | 0.1258       |
| 51     | 9.429      |                | 188759.98     | 1.20     | *V | 0.0031       | 0.0493       |
| 52     | 9.544      |                | 73953.48      | 0.47     | *V | 0.0023       | 0.0930       |
| 53     | 9.664      |                | 139520.28     | 0.89     | *V | 0.0019       | 0.0743       |
| 54     | 9.764      |                | 111521.78     | 0.71     | *V | 0.0008       | 0.0317       |
| 55     | 9.863      |                | 47593.13      | 0.30     | *V | 0.0050       | 0.1998       |
| 56     | 9.998      |                | 299671.26     | 1.91     | *V | 0.0036       | 0.1438       |
| 57     | 10.250     |                | 215670.51     | 1.37     | *V | 0.0020       | 0.0781       |
| 58     | 10.316     |                | 117107.96     | 0.75     | *V | 0.0037       | 0.1465       |
| 59     | 10.397     |                | 219688.55     | 1.40     | *V | 0.0045       | 0.1787       |
| 60     | 10.706     |                | 267982.09     | 1.71     | *V | 0.0018       | 0.0716       |
| 61     | 10.908     |                | 107413.19     | 0.68     | *V | 0.0029       | 0.1149       |
| 62     | 10.993     |                | 172341.82     | 1.10     | *V | 0.0022       | 0.0860       |
| 63     | 11.123     |                | 129007.39     | 0.82     | *V | 0.0022       | 0.0891       |
| 64     | 11.224     |                | 133723.16     | 0.85     | *V | 0.0022       | 0.0431       |
| 65     | 11.360     |                | 64643.85      | 0.41     | *V | 0.0011       | 0.0624       |
| 66     | 11.458     |                | 93537.00      | 0.60     | *V | 0.0009       | 0.0371       |
| 67     | 11.507     |                | 55653.95      | 0.35     | *V | 0.0013       | 0.0526       |
| 68     | 11.563     |                | 78886.31      | 0.50     | *V | 0.0024       | 0.0965       |
| 69     | 11.670     |                | 144684.59     | 0.92     | *V | 0.0024       | 0.0290       |
| 70     | 11.795     |                | 43553.79      | 0.28     | *V | 0.0007       | 0.0742       |
| 71     | 11.912     |                | 111277.55     | 0.71     | *V | 0.0019       |              |

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|----|--------------|--------------|
| 72     | 11.998     |                | 151348.68     | 0.96     | *V | 0.0025       | 0.1009       |
| 73     | 12.148     |                | 172955.76     | 1.10     | *V | 0.0029       | 0.1153       |
| 74     | 12.343     |                | 148298.74     | 0.94     | *V | 0.0025       | 0.0989       |
| 75     | 12.526     |                | 94609.30      | 0.60     | *V | 0.0016       | 0.0631       |
| 76     | 12.615     |                | 95438.77      | 0.61     | *V | 0.0016       | 0.0636       |
| 77     | 12.735     |                | 158570.21     | 1.01     | *V | 0.0026       | 0.1057       |
| 78     | 13.002     |                | 211241.81     | 1.34     | *V | 0.0035       | 0.1408       |
| 79     | 13.090     |                | 43077.45      | 0.27     | *V | 0.0007       | 0.0287       |
| 80     | 13.182     |                | 173752.07     | 1.11     | *V | 0.0029       | 0.1158       |
| 81     | 13.387     |                | 100842.96     | 0.64     | *V | 0.0017       | 0.0672       |
| 82     | 13.488     |                | 54755.10      | 0.35     | *V | 0.0009       | 0.0365       |
| 83     | 13.580     |                | 195946.32     | 1.25     | *V | 0.0033       | 0.1306       |
| 84     | 13.808     |                | 87903.12      | 0.56     | *V | 0.0015       | 0.0586       |
| 85     | 13.876     |                | 80778.64      | 0.51     | *V | 0.0013       | 0.0539       |
| 86     | 13.980     |                | 161186.29     | 1.03     | *V | 0.0027       | 0.1075       |
| 87     | 14.158     |                | 129338.97     | 0.82     | *V | 0.0022       | 0.0862       |
| 88     | 14.335     |                | 75759.85      | 0.48     | *V | 0.0013       | 0.0505       |
| 89     | 14.410     |                | 98991.44      | 0.63     | *V | 0.0016       | 0.0660       |
| 90     | 14.583     |                | 200402.05     | 1.28     | *V | 0.0033       | 0.1336       |
| 91     | 14.825     |                | 125501.13     | 0.80     | *V | 0.0021       | 0.0837       |
| 92     | 14.929     |                | 83791.60      | 0.53     | *V | 0.0014       | 0.0559       |
| 93     | 15.025     |                | 105041.84     | 0.67     | *V | 0.0018       | 0.0700       |
| 94     | 15.176     |                | 61074.60      | 0.39     | *V | 0.0010       | 0.0401       |
| 95     | 15.259     |                | 96148.74      | 0.61     | *V | 0.0016       | 0.0641       |
| 96     | 15.353     |                | 136143.99     | 0.87     | *V | 0.0023       | 0.0908       |
| 97     | 15.540     |                | 102482.01     | 0.65     | *V | 0.0017       | 0.0681       |
| 98     | 15.649     |                | 69800.12      | 0.44     | *V | 0.0012       | 0.0465       |
| 99     | 15.817     |                | 187437.47     | 1.19     | *V | 0.0031       | 0.1250       |
| 100    | 15.975     |                | 51557.73      | 0.33     | *V | 0.0009       | 0.0341       |
| 101    | 16.066     |                | 153489.82     | 0.98     | *V | 0.0026       | 0.1021       |
| 102    | 16.268     |                | 80896.22      | 0.52     | *V | 0.0013       | 0.0539       |
| 103    | 16.352     |                | 70140.25      | 0.45     | *V | 0.0012       | 0.0468       |
| 104    | 16.462     |                | 89267.08      | 0.57     | *V | 0.0015       | 0.0591       |
| 105    | 16.548     |                | 47217.42      | 0.30     | *V | 0.0008       | 0.0315       |
| 106    | 16.655     |                | 69783.93      | 0.44     | *V | 0.0012       | 0.0465       |
| 107    | 16.702     |                | 49762.71      | 0.32     | *V | 0.0008       | 0.0331       |
| 108    | 16.806     |                | 100486.13     | 0.64     | *V | 0.0017       | 0.0671       |
| 109    | 16.959     |                | 158428.52     | 1.01     | *V | 0.0026       | 0.1056       |
| 110    | 17.123     |                | 111224.24     | 0.71     | *V | 0.0019       | 0.0741       |
| 111    | 17.258     |                | 74648.40      | 0.48     | *V | 0.0012       | 0.0491       |
| 112    | 17.404     |                | 142886.76     | 0.91     | *V | 0.0024       | 0.0955       |
| 113    | 17.713     |                | 218136.61     | 1.39     | *V | 0.0036       | 0.1454       |
| 114    | 17.878     |                | 56539.16      | 0.36     | *V | 0.0009       | 0.0371       |
| 115    | 17.977     |                | 64674.72      | 0.41     | *V | 0.0011       | 0.0431       |
| 116    | 18.093     |                | 102602.53     | 0.65     | *V | 0.0017       | 0.0684       |
| 117    | 18.228     |                | 130168.45     | 0.83     | *V | 0.0022       | 0.0868       |
| 118    | 18.413     |                | 83216.30      | 0.53     | *V | 0.0014       | 0.0551       |
| 119    | 18.518     |                | 110903.50     | 0.71     | *V | 0.0018       | 0.0731       |
| 120    | 18.655     |                | 52049.50      | 0.33     | *V | 0.0009       | 0.0341       |
| 121    | 18.763     |                | 52248.70      | 0.33     | *V | 0.0009       | 0.0341       |
| 122    | 18.849     |                | 115436.52     | 0.73     | *V | 0.0019       | 0.0711       |
| 123    | 19.004     |                | 68850.90      | 0.44     | *V | 0.0011       | 0.0459       |
| 124    | 19.110     |                | 52062.51      | 0.33     | *V | 0.0009       | 0.0347       |
| 125    | 19.190     |                | 95194.93      | 0.61     | *V | 0.0016       | 0.0611       |
| 126    | 19.346     |                | 48270.58      | 0.31     | *V | 0.0008       | 0.0321       |
| 127    | 19.400     |                | 48452.70      | 0.31     | *V | 0.0008       | 0.0323       |
| 128    | 19.505     |                | 56473.86      | 0.36     | *V | 0.0009       | 0.0316       |
| 129    | 19.576     |                | 86538.90      | 0.55     | *V | 0.0014       | 0.0511       |

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|----|--------------|--------------|
| 130    | 19.858     |                | 188874.13     | 1.20     | *V | 0.0031       | 0.1259       |
| 131    | 20.054     |                | 22296.65      | 0.14     | *V | 0.0004       | 0.0149       |
| 132    | 20.148     | n-Pentacosane  | 137281.32     | 0.87     | *V | 0.1280       | 5.1203       |
| 133    | 20.332     |                | 99267.04      | 0.63     | *V | 0.0017       | 0.0662       |
| 134    | 20.571     |                | 183718.24     | 1.17     | *V | 0.0031       | 0.1225       |
| 135    | 20.864     |                | 169533.55     | 1.08     | *V | 0.0028       | 0.1130       |
| 136    | 21.241     |                | 137923.45     | 0.88     | *V | 0.0023       | 0.0919       |
| 137    | 21.488     |                | 37251.25      | 0.24     | *V | 0.0006       | 0.0248       |
| 138    | 21.564     |                | 90747.35      | 0.58     | *V | 0.0015       | 0.0605       |
| 139    | 21.790     |                | 54384.36      | 0.35     | *V | 0.0009       | 0.0363       |
| 140    | 21.921     |                | 104843.91     | 0.67     | *V | 0.0017       | 0.0699       |
| 141    | 22.169     |                | 64860.40      | 0.41     | *V | 0.0011       | 0.0432       |
| 142    | 22.275     |                | 62100.73      | 0.40     | *V | 0.0010       | 0.0414       |
| 143    | 22.405     |                | 59733.21      | 0.38     | *V | 0.0010       | 0.0398       |
| 144    | 22.572     |                | 38031.62      | 0.24     | *V | 0.0006       | 0.0254       |
| 145    | 22.650     |                | 32772.82      | 0.21     | *V | 0.0005       | 0.0218       |
| 146    | 22.739     |                | 51867.25      | 0.33     | *V | 0.0009       | 0.0346       |
| 147    | 22.911     |                | 70143.31      | 0.45     | *V | 0.0012       | 0.0468       |
| 148    | 23.107     |                | 41476.15      | 0.26     | *V | 0.0007       | 0.0277       |
| 149    | 23.236     |                | 55858.39      | 0.36     | *V | 0.0009       | 0.0372       |
| 150    | 23.338     |                | 87921.61      | 0.56     | *V | 0.0015       | 0.0586       |
| 151    | 23.595     |                | 25216.64      | 0.16     | *V | 0.0004       | 0.0168       |
| 152    | 23.717     |                | 42170.57      | 0.27     | *V | 0.0007       | 0.0281       |
| 153    | 23.906     |                | 74017.24      | 0.47     | *V | 0.0012       | 0.0493       |
| 154    | 24.043     |                | 121759.20     | 0.78     | *V | 0.0020       | 0.0812       |
| 155    | 24.531     |                | 88449.09      | 0.56     | *V | 0.0015       | 0.0590       |
| 156    | 24.938     |                | 40664.03      | 0.26     | *V | 0.0007       | 0.0271       |
| 157    | 25.213     |                | 58209.58      | 0.37     | *V | 0.0010       | 0.0388       |
| 158    | 25.658     |                | 74272.31      | 0.47     | *V | 0.0012       | 0.0495       |
| 159    | 26.016     |                | 92455.91      | 0.59     | *V | 0.0015       | 0.0616       |
| 160    | 26.730     |                | 49320.56      | 0.31     | *V | 0.0008       | 0.0329       |

15707252.80 100.00

Report Stored in ASCII File: S:\GHP\_05\0409\405A041.TX1

## Chromatogram

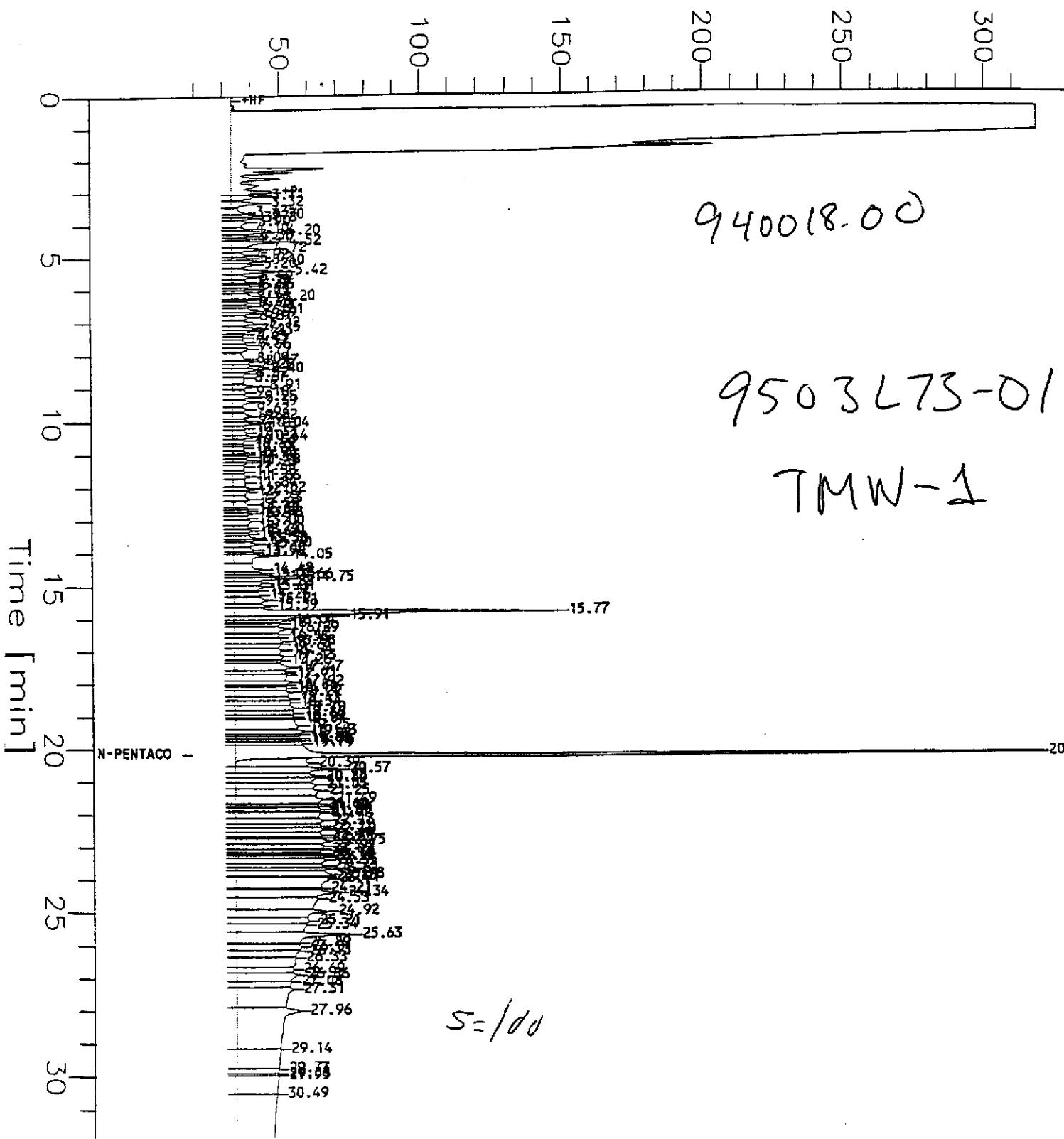
COPY

Page 1 of 1

Sample Name : D9503L73-1 (500:1)  
FileName : s:\ghp\_05\0409\407A032.raw  
ethod : ETPH05A.ins  
tart Time : 0.00 min End Time : 33.67 min  
cale Factor: -1.0 Plot Offset: 18 mV

Sample #: TMW-1  
Date : 4/8/95 04:42  
Time of Injection: 4/8/95 04:08  
Low Point : 18.18 mV High Point : 318.18 mV  
Plot Scale: 300.0 mV

Response [mV]



Software Version: 3.3 <4B11>  
 Sample Name : D9503L73-1 (500:1) Time : 4/8/95 04:42  
 Sample Number: TMW-1 Study : EKI  
 Operator : TO

Instrument : GCHP\_05 Channel : A A/D mV Range : 1024  
 ToSampler : HP7673A  
 ack/Vial : 0/19

Interface Serial # : Data Acquisition Time: 4/8/95 04:08  
 Lay Time : 0.00 min.  
 nd Time : 33.67 min.  
 Sampling Rate : 1.2500 pts/sec

Raw Data File : S:\GHP\_05\0409\407A032.RAW  
 esult File : S:\GHP\_05\0409\407A032.RST  
 nstrument File: S:\GHP\_05\MET\_SEQ\ETPH05A.ins  
 rocess File : S:\GHP\_05\MET\_SEQ\ETPH05A  
 ample File : S:\GHP\_05\MET\_SEQ\ETPH05A  
 quence File : S:\GHP\_05\MET\_SEQ\H050407A.seq

nj. Volume : 1 ul Area Reject : 0.000000  
 ample Amount : 1.0000 Dilution Factor : 1.00

#### Extractable TPH GCHP\_05A

| Peak               | Time [min] | Component Name       | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------------------|------------|----------------------|---------------|----------|----|--------------|--------------|
|                    | 8.250      | n-C9 to n-C17 Jet    | 3256689.99    | 5.36     |    | 0.1628       | 6.5134       |
|                    | 11.250     | n-C9 to n-C24 TPH-D  | 9105199.66    | 14.98    |    | 8.2560       | 330.2394     |
|                    | 16.750     | n-C9 to n-C40 Total  | 27563486.01   | 45.35    |    | 1.3782       | 55.1270      |
|                    | 19.875     | n-C16 to n-C36 M/Oil | 20850720.55   | 34.31    |    | 1.0425       | 41.7014      |
| 60776096.20 100.00 |            |                      |               |          |    |              |              |

Report Stored in ASCII File: S:\GHP\_05\0409\407A032.TX0

#### Extractable TPH GCHP\_05A

| Peak | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|------|------------|----------------|---------------|----------|----|--------------|--------------|
| 1    | 3.109      |                | 73653.14      | 0.26     | *B | 0.0037       | 0.1473       |
| 2    | 3.321      |                | 66030.90      | 0.24     | *V | 0.0033       | 0.1321       |
| 3    | 3.625      |                | 37319.61      | 0.13     | *V | 0.0019       | 0.0746       |
| 4    | 3.701      |                | 41731.35      | 0.15     | *V | 0.0021       | 0.0835       |
| 5    | 3.782      |                | 32137.58      | 0.12     | *V | 0.0016       | 0.0643       |
| 6    | 3.903      |                | 50004.26      | 0.18     | *V | 0.0025       | 0.1000       |
| 7    | 4.099      |                | 25033.37      | 0.09     | *V | 0.0013       | 0.0501       |
| 8    | 4.202      |                | 83675.54      | 0.30     | *V | 0.0042       | 0.1674       |
| 9    | 4.328      |                | 30258.51      | 0.11     | *V | 0.0015       | 0.0605       |
| 10   | 4.413      |                | 24919.49      | 0.09     | *V | 0.0012       | 0.0498       |
| 11   | 4.515      |                | 105954.47     | 0.38     | *V | 0.0053       | 0.2119       |

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL     | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|--------|--------------|--------------|
| 14     | 5.017      |                | 30589.71      | 0.11 *V  | 0.0015 | 0.0612       |              |
| 15     | 5.102      |                | 42162.15      | 0.15 *V  | 0.0021 | 0.0843       |              |
| 16     | 5.204      |                | 49063.83      | 0.18 *V  | 0.0025 | 0.0981       |              |
| 17     | 5.418      |                | 99130.20      | 0.36 *V  | 0.0050 | 0.1983       |              |
| 18     | 5.586      |                | 43491.30      | 0.16 *V  | 0.0022 | 0.0870       |              |
| 19     | 5.731      |                | 31666.73      | 0.11 *V  | 0.0016 | 0.0633       |              |
| 20     | 5.786      |                | 17573.86      | 0.06 *V  | 0.0009 | 0.0351       |              |
| 21     | 5.849      |                | 41880.18      | 0.15 *V  | 0.0021 | 0.0838       |              |
| 22     | 5.950      |                | 21233.41      | 0.08 *V  | 0.0011 | 0.0425       |              |
| 23     | 6.047      |                | 22949.11      | 0.08 *V  | 0.0011 | 0.0459       |              |
| 24     | 6.199      |                | 84936.08      | 0.30 *V  | 0.0042 | 0.1699       |              |
| 25     | 6.274      |                | 21253.05      | 0.08 *V  | 0.0011 | 0.0425       |              |
| 26     | 6.362      |                | 32879.05      | 0.12 *V  | 0.0016 | 0.0658       |              |
| 27     | 6.478      |                | 32814.01      | 0.12 *V  | 0.0016 | 0.0656       |              |
| 28     | 6.614      |                | 60527.23      | 0.22 *V  | 0.0030 | 0.1211       |              |
| 29     | 6.689      |                | 33292.39      | 0.12 *V  | 0.0017 | 0.0666       |              |
| 30     | 6.811      |                | 42587.73      | 0.15 *V  | 0.0021 | 0.0852       |              |
| 31     | 7.020      |                | 69118.59      | 0.25 *V  | 0.0035 | 0.1382       |              |
| 32     | 7.153      |                | 46548.76      | 0.17 *V  | 0.0023 | 0.0931       |              |
| 33     | 7.233      |                | 33268.28      | 0.12 *V  | 0.0017 | 0.0665       |              |
| 34     | 7.336      |                | 18907.09      | 0.07 *V  | 0.0009 | 0.0378       |              |
| 35     | 7.426      |                | 21000.16      | 0.08 *V  | 0.0011 | 0.0420       |              |
| 36     | 7.566      |                | 33978.00      | 0.12 *V  | 0.0017 | 0.0680       |              |
| 37     | 7.659      |                | 33819.48      | 0.12 *V  | 0.0017 | 0.0676       |              |
| 38     | 7.786      |                | 38806.00      | 0.14 *V  | 0.0019 | 0.0776       |              |
| 39     | 8.091      |                | 55144.84      | 0.20 *V  | 0.0028 | 0.1103       |              |
| 40     | 8.165      |                | 45350.08      | 0.16 *V  | 0.0023 | 0.0907       |              |
| 41     | 8.280      |                | 42121.72      | 0.15 *V  | 0.0021 | 0.0842       |              |
| 42     | 8.401      |                | 49102.60      | 0.18 *V  | 0.0025 | 0.0982       |              |
| 43     | 8.522      |                | 32522.47      | 0.12 *V  | 0.0016 | 0.0650       |              |
| 44     | 8.665      |                | 53143.98      | 0.19 *V  | 0.0027 | 0.1063       |              |
| 45     | 8.914      |                | 52411.56      | 0.19 *V  | 0.0026 | 0.1048       |              |
| 46     | 9.096      |                | 39186.69      | 0.14 *V  | 0.0020 | 0.0784       |              |
| 47     | 9.246      |                | 48897.02      | 0.18 *V  | 0.0024 | 0.0978       |              |
| 48     | 9.389      |                | 63063.72      | 0.23 *V  | 0.0032 | 0.1261       |              |
| 49     | 9.615      |                | 40083.75      | 0.14 *V  | 0.0020 | 0.0802       |              |
| 50     | 9.815      |                | 62041.80      | 0.22 *V  | 0.0031 | 0.1241       |              |
| 51     | 9.954      |                | 26038.20      | 0.09 *V  | 0.0013 | 0.0521       |              |
| 52     | 10.042     |                | 41307.17      | 0.15 *V  | 0.0021 | 0.0826       |              |
| 53     | 10.191     |                | 28815.99      | 0.10 *V  | 0.0014 | 0.0576       |              |
| 54     | 10.331     |                | 42160.62      | 0.15 *V  | 0.0021 | 0.0843       |              |
| 55     | 10.444     |                | 41076.98      | 0.15 *V  | 0.0021 | 0.0822       |              |
| 56     | 10.556     |                | 33997.51      | 0.12 *V  | 0.0017 | 0.0680       |              |
| 57     | 10.690     |                | 14801.18      | 0.05 *V  | 0.0007 | 0.0296       |              |
| 58     | 10.780     |                | 30292.69      | 0.11 *V  | 0.0015 | 0.0606       |              |
| 59     | 10.916     |                | 23112.73      | 0.08 *V  | 0.0012 | 0.0462       |              |
| 60     | 10.988     |                | 17253.50      | 0.06 *V  | 0.0009 | 0.0345       |              |
| 61     | 11.049     |                | 27641.29      | 0.10 *V  | 0.0014 | 0.0553       |              |
| 62     | 11.158     |                | 27188.68      | 0.10 *V  | 0.0014 | 0.0544       |              |
| 63     | 11.226     |                | 23537.67      | 0.08 *V  | 0.0012 | 0.0471       |              |
| 64     | 11.349     |                | 34124.54      | 0.12 *V  | 0.0017 | 0.0682       |              |
| 65     | 11.495     |                | 25710.83      | 0.09 *V  | 0.0013 | 0.0514       |              |
| 66     | 11.658     |                | 45612.80      | 0.16 *V  | 0.0023 | 0.0912       |              |
| 67     | 11.841     |                | 56846.76      | 0.20 *V  | 0.0028 | 0.1137       |              |
| 68     | 12.019     |                | 44263.12      | 0.16 *V  | 0.0022 | 0.0885       |              |
| 69     | 12.123     |                | 35677.50      | 0.13 *V  | 0.0018 | 0.0714       |              |

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|----|--------------|--------------|
| 72     | 12.618     |                | 23772.33      | 0.09     | *V | 0.0012       | 0.0475       |
| 73     | 12.692     |                | 23965.67      | 0.09     | *V | 0.0012       | 0.0479       |
| 74     | 12.779     |                | 34748.30      | 0.12     | *V | 0.0017       | 0.0695       |
| 75     | 12.913     |                | 31126.50      | 0.11     | *V | 0.0016       | 0.0623       |
| 76     | 13.001     |                | 58518.84      | 0.21     | *V | 0.0029       | 0.1170       |
| 77     | 13.212     |                | 36702.86      | 0.13     | *V | 0.0018       | 0.0734       |
| 78     | 13.299     |                | 41891.78      | 0.15     | *V | 0.0021       | 0.0838       |
| 79     | 13.397     |                | 25508.31      | 0.09     | *V | 0.0013       | 0.0510       |
| 80     | 13.522     |                | 41894.59      | 0.15     | *V | 0.0021       | 0.0838       |
| 81     | 13.575     |                | 33803.79      | 0.12     | *V | 0.0017       | 0.0676       |
| 82     | 13.700     |                | 65932.19      | 0.24     | *V | 0.0033       | 0.1319       |
| 83     | 13.897     |                | 56526.02      | 0.20     | *V | 0.0028       | 0.1131       |
| 84     | 13.962     |                | 27597.16      | 0.10     | *V | 0.0014       | 0.0552       |
| 85     | 14.054     |                | 133878.62     | 0.48     | *V | 0.0067       | 0.2678       |
| 86     | 14.482     |                | 115481.28     | 0.41     | *V | 0.0058       | 0.2310       |
| 87     | 14.581     |                | 45155.21      | 0.16     | *V | 0.0023       | 0.0903       |
| 88     | 14.664     |                | 71523.47      | 0.26     | *V | 0.0036       | 0.1430       |
| 89     | 14.746     |                | 96893.15      | 0.35     | *V | 0.0048       | 0.1938       |
| 90     | 14.884     |                | 82115.18      | 0.29     | *V | 0.0041       | 0.1642       |
| 91     | 15.008     |                | 73751.59      | 0.26     | *V | 0.0037       | 0.1475       |
| 92     | 15.117     |                | 27113.18      | 0.10     | *V | 0.0014       | 0.0542       |
| 93     | 15.257     |                | 76423.53      | 0.27     | *V | 0.0038       | 0.1528       |
| 94     | 15.407     |                | 129657.42     | 0.47     | *V | 0.0065       | 0.2593       |
| 95     | 15.588     |                | 74585.78      | 0.27     | *V | 0.0037       | 0.1492       |
| 96     | 15.765     |                | 686999.76     | 2.47     | *V | 0.0343       | 1.3740       |
| 97     | 15.910     |                | 197355.94     | 0.71     | *V | 0.0099       | 0.3947       |
| 98     | 16.036     |                | 94198.00      | 0.34     | *V | 0.0047       | 0.1884       |
| 99     | 16.131     |                | 100608.05     | 0.36     | *V | 0.0050       | 0.2012       |
| 100    | 16.288     |                | 197281.97     | 0.71     | *V | 0.0099       | 0.3946       |
| 101    | 16.466     |                | 99421.87      | 0.36     | *V | 0.0050       | 0.1988       |
| 102    | 16.554     |                | 49175.93      | 0.18     | *V | 0.0025       | 0.0984       |
| 103    | 16.682     |                | 157786.40     | 0.57     | *V | 0.0079       | 0.3156       |
| 104    | 16.764     |                | 126984.72     | 0.46     | *V | 0.0063       | 0.2540       |
| 105    | 16.943     |                | 191812.48     | 0.69     | *V | 0.0096       | 0.3836       |
| 106    | 17.125     |                | 160620.68     | 0.58     | *V | 0.0080       | 0.3212       |
| 107    | 17.262     |                | 90022.46      | 0.32     | *V | 0.0045       | 0.1800       |
| 108    | 17.473     |                | 241929.86     | 0.87     | *V | 0.0121       | 0.4839       |
| 109    | 17.607     |                | 112878.47     | 0.41     | *V | 0.0056       | 0.2258       |
| 110    | 17.709     |                | 229455.00     | 0.82     | *V | 0.0115       | 0.4589       |
| 111    | 17.915     |                | 135963.27     | 0.49     | *V | 0.0068       | 0.2719       |
| 112    | 18.012     |                | 57612.85      | 0.21     | *V | 0.0029       | 0.1152       |
| 113    | 18.101     |                | 115609.58     | 0.41     | *V | 0.0058       | 0.2312       |
| 114    | 18.224     |                | 224726.60     | 0.81     | *V | 0.0112       | 0.4495       |
| 115    | 18.425     |                | 137028.93     | 0.49     | *V | 0.0069       | 0.2741       |
| 116    | 18.538     |                | 170317.88     | 0.61     | *V | 0.0085       | 0.3406       |
| 117    | 18.699     |                | 178238.80     | 0.64     | *V | 0.0089       | 0.3565       |
| 118    | 18.858     |                | 178935.76     | 0.64     | *V | 0.0089       | 0.3579       |
| 119    | 18.987     |                | 114789.67     | 0.41     | *V | 0.0057       | 0.2296       |
| 120    | 19.036     |                | 67051.41      | 0.24     | *V | 0.0034       | 0.1341       |
| 121    | 19.251     |                | 376864.19     | 1.35     | *V | 0.0188       | 0.7537       |
| 122    | 19.427     |                | 202506.98     | 0.73     | *V | 0.0101       | 0.4050       |
| 123    | 19.517     |                | 90362.71      | 0.32     | *V | 0.0045       | 0.1807       |
| 124    | 19.626     |                | 108405.26     | 0.39     | *V | 0.0054       | 0.2168       |
| 125    | 19.695     |                | 110239.69     | 0.40     | *V | 0.0055       | 0.2205       |
| 126    | 19.788     |                | 149607.86     | 0.54     | *V | 0.0075       | 0.2992       |
| 127    | 20.148     | n-Pentacosane  | 2182989.70    | 7.83     | *V | 1.9955       | 79.8216      |

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|----|--------------|--------------|
| 130    | 20.779     |                | 194471.91     | 0.70     | *V | 0.0097       | 0.3889       |
| 131    | 20.842     |                | 261889.86     | 0.94     | *V | 0.0131       | 0.5238       |
| 132    | 21.053     |                | 328995.47     | 1.18     | *V | 0.0164       | 0.6580       |
| 133    | 21.245     |                | 341042.45     | 1.22     | *V | 0.0171       | 0.6821       |
| 134    | 21.493     |                | 420854.27     | 1.51     | *V | 0.0210       | 0.8417       |
| 135    | 21.643     |                | 68540.87      | 0.25     | *V | 0.0034       | 0.1371       |
| 136    | 21.704     |                | 138833.52     | 0.50     | *V | 0.0069       | 0.2777       |
| 137    | 21.803     |                | 188493.06     | 0.68     | *V | 0.0094       | 0.3770       |
| 138    | 21.867     |                | 70450.92      | 0.25     | *V | 0.0035       | 0.1409       |
| 139    | 21.919     |                | 304314.98     | 1.09     | *V | 0.0152       | 0.6086       |
| 140    | 22.133     |                | 311400.69     | 1.12     | *V | 0.0156       | 0.6228       |
| 141    | 22.307     |                | 213908.39     | 0.77     | *V | 0.0107       | 0.4278       |
| 142    | 22.404     |                | 240336.08     | 0.86     | *V | 0.0120       | 0.4807       |
| 143    | 22.573     |                | 239166.22     | 0.86     | *V | 0.0120       | 0.4783       |
| 144    | 22.654     |                | 97110.46      | 0.35     | *V | 0.0049       | 0.1942       |
| 145    | 22.746     |                | 330308.93     | 1.19     | *V | 0.0165       | 0.6606       |
| 146    | 22.907     |                | 291003.89     | 1.04     | *V | 0.0146       | 0.5820       |
| 147    | 23.015     |                | 166612.54     | 0.60     | *V | 0.0083       | 0.3332       |
| 148    | 23.130     |                | 95233.18      | 0.34     | *V | 0.0048       | 0.1905       |
| 149    | 23.190     |                | 97471.13      | 0.35     | *V | 0.0049       | 0.1949       |
| 150    | 23.244     |                | 123221.11     | 0.44     | *V | 0.0062       | 0.2464       |
| 151    | 23.346     |                | 319814.02     | 1.15     | *V | 0.0160       | 0.6396       |
| 152    | 23.515     |                | 217790.99     | 0.78     | *V | 0.0109       | 0.4356       |
| 153    | 23.612     |                | 175890.54     | 0.63     | *V | 0.0088       | 0.3518       |
| 154    | 23.783     |                | 333911.34     | 1.20     | *V | 0.0167       | 0.6678       |
| 155    | 23.848     |                | 75548.66      | 0.27     | *V | 0.0038       | 0.1511       |
| 156    | 23.910     |                | 592530.62     | 2.13     | *V | 0.0296       | 1.1851       |
| 157    | 24.214     |                | 94510.46      | 0.34     | *V | 0.0047       | 0.1890       |
| 158    | 24.342     |                | 442959.62     | 1.59     | *V | 0.0221       | 0.8859       |
| 159    | 24.532     |                | 596044.91     | 2.14     | *V | 0.0298       | 1.1921       |
| 160    | 24.918     |                | 417025.49     | 1.50     | *V | 0.0209       | 0.8341       |
| 161    | 25.214     |                | 280079.70     | 1.01     | *V | 0.0140       | 0.5602       |
| 162    | 25.339     |                | 343998.41     | 1.23     | *V | 0.0172       | 0.6880       |
| 163    | 25.625     |                | 551482.60     | 1.98     | *V | 0.0276       | 1.1030       |
| 164    | 25.889     |                | 52638.32      | 0.19     | *V | 0.0026       | 0.1053       |
| 165    | 26.010     |                | 230370.30     | 0.83     | *V | 0.0115       | 0.4607       |
| 166    | 26.132     |                | 270976.94     | 0.97     | *V | 0.0135       | 0.5420       |
| 167    | 26.330     |                | 372634.19     | 1.34     | *V | 0.0186       | 0.7453       |
| 168    | 26.687     |                | 204113.25     | 0.73     | *V | 0.0102       | 0.4082       |
| 169    | 26.856     |                | 303458.85     | 1.09     | *V | 0.0152       | 0.6069       |
| 170    | 27.080     |                | 224232.79     | 0.80     | *V | 0.0112       | 0.4485       |
| 171    | 27.308     |                | 655139.57     | 2.35     | *V | 0.0328       | 1.3103       |
| 172    | 27.962     |                | 1249299.67    | 4.48     | *V | 0.0625       | 2.4986       |
| 173    | 29.137     |                | 532480.88     | 1.91     | *V | 0.0266       | 1.0650       |
| 174    | 29.731     |                | 125735.54     | 0.45     | *V | 0.0063       | 0.2515       |
| 175    | 29.880     |                | 57204.24      | 0.21     | *V | 0.0029       | 0.1144       |
| 176    | 29.945     |                | 461367.68     | 1.66     | *V | 0.0231       | 0.9227       |
| 177    | 30.493     |                | 1407909.67    | 5.05     | *V | 0.0704       | 2.8158       |
| 178    | 32.332     |                | 152365.37     | 0.55     | *V | 0.0076       | 0.3047       |
| 179    | 32.524     |                | 152736.10     | 0.55     | *V | 0.0076       | 0.3055       |

27868587.48 100.00

COPY

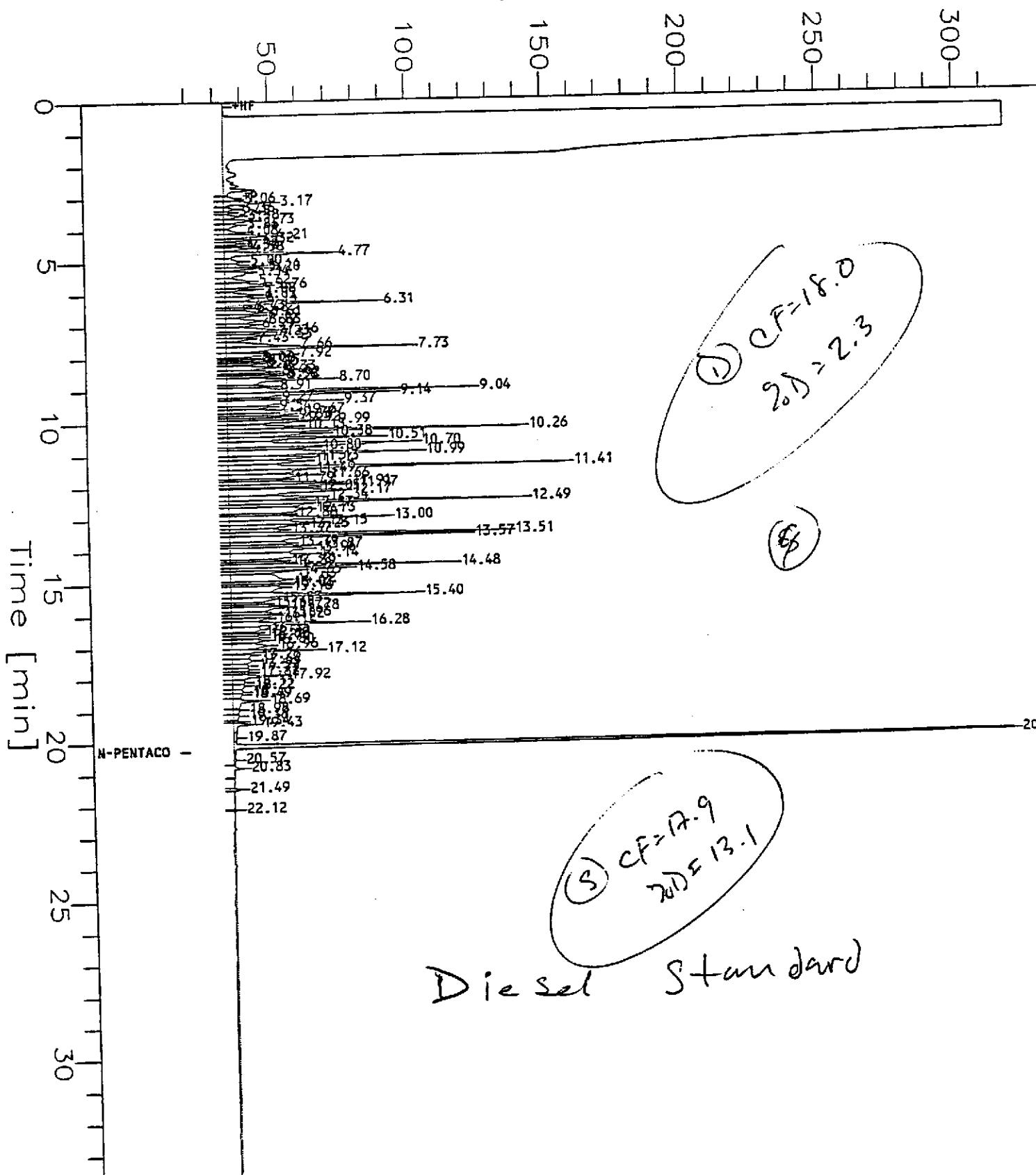
Chromatogram

Sample Name : DSTD040595 (DIESEL+C25)  
FileName : s:\ghp\_05\0409\405A002.raw  
Method : ETPH05A.ins  
Start Time : 0.00 min End Time : 33.67 min  
Scale Factor: -1.0 Plot Offset: 18 mV

Sample #: DSTD032395  
Date : 4/5/95 15:14  
Time of Injection: 4/5/95 14:40  
Low Point : 18.23 mV High Point : 318.23 mV  
Plot Scale: 300.0 mV

Page 1 of 1

Response [mV]



=====  
Software Version: 3.3 <4B11>  
Sample Name : DSTD040595 (DIESEL+C25) Time : 4/5/95 15:14  
Sample Number: DSTD032395 Study : SAL (ICV)  
Operator : TO

Instrument : GCHP\_05 Channel : A A/D mV Range : 1024  
AutoSampler : HP7673A  
Rack/Vial : 1/2

Interface Serial # : Data Acquisition Time: 4/5/95 14:40  
Delay Time : 0.00 min.  
End Time : 33.67 min.  
Sampling Rate : 1.2500 pts/sec

Raw Data File : S:\GHP\_05\0409\405A002.RAW  
Result File : S:\GHP\_05\0409\405A002.RST  
Instrument File: S:\GHP\_05\MET\_SEQ\ETPH05A.ins  
Process File : S:\GHP\_05\MET\_SEQ\ETPH05A  
Sample File : S:\GHP\_05\MET\_SEQ\ETPH05A  
Sequence File : S:\GHP\_05\MET\_SEQ\H050405.SEQ

Inj. Volume : 3 ul Area Reject : 0.000000  
Sample Amount : 1.0000 Dilution Factor : 1.00

=====  
Extractable TPH GCHP\_05A

| Peak # | Time [min]           | Component Name | Area [uV*sec] | Area [%]    | BL     | Soil [mg/kg] | Water [µg/L] |
|--------|----------------------|----------------|---------------|-------------|--------|--------------|--------------|
| 8.250  | n-C9 to n-C17 Jet    |                | 11036376.49   | 20.07       |        | 0.1839       | 7.3576       |
| 11.250 | n-C9 to n-C24 TPH-D  |                | 16230418.44   | 29.52       |        | 11.4626      | 458.503      |
| 16.750 | n-C9 to n-C40 Total  |                | 18419788.08   | 33.50       |        | 0.3070       | 12.2799      |
| 19.875 | n-C16 to n-C36 M/Oil |                | 9301165.62    | 16.91       |        | 0.1550       | 6.2008       |
|        |                      |                |               | 54987748.63 | 100.00 |              |              |

Report Stored in ASCII File: S:\GHP\_05\0409\405A002.TX0

=====  
Extractable TPH GCHP\_05A

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|----|--------------|--------------|
| 1      | 3.056      |                | 30074.87      | 0.16     | *B | 0.0005       | 0.0200       |
| 2      | 3.172      |                | 84240.13      | 0.46     | *V | 0.0014       | 0.056        |
| 3      | 3.358      |                | 20427.15      | 0.11     | *V | 0.0003       | 0.0138       |
| 4      | 3.454      |                | 7894.65       | 0.04     | *V | 0.0001       | 0.0053       |
| 5      | 3.581      |                | 29042.36      | 0.16     | *V | 0.0005       | 0.019        |
| 6      | 3.727      |                | 58288.27      | 0.32     | *V | 0.0010       | 0.038        |
| 7      | 3.859      |                | 29636.28      | 0.16     | *V | 0.0005       | 0.0198       |
| 8      | 4.080      |                | 27825.32      | 0.15     | *V | 0.0005       | 0.0186       |
| 9      | 4.208      |                | 93360.11      | 0.51     | *V | 0.0016       | 0.062        |
| 10     | 4.323      |                | 37629.39      | 0.20     | *V | 0.0006       | 0.025        |
| 11     | 4.424      |                | 25856.21      | 0.14     | *V | 0.0004       | 0.0172       |
| 12     | 4.515      |                | 14472.02      | 0.08     | *V | 0.0002       | 0.009        |
| 13     | 4.584      |                | 40146.24      | 0.22     | *V | 0.0007       | 0.026        |

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|----|--------------|--------------|
| 14     | 4.768      |                | 191262.94     | 1.04     | *V | 0.0032       | 0.1275       |
| 15     | 5.002      |                | 37549.55      | 0.20     | *V | 0.0006       | 0.0250       |
| 16     | 5.136      |                | 58188.02      | 0.32     | *V | 0.0010       | 0.0388       |
| 17     | 5.204      |                | 49775.46      | 0.27     | *V | 0.0008       | 0.0332       |
| 18     | 5.339      |                | 76123.19      | 0.41     | *V | 0.0013       | 0.0507       |
| 19     | 5.618      |                | 55405.01      | 0.30     | *V | 0.0009       | 0.0369       |
| 20     | 5.755      |                | 106427.74     | 0.58     | *V | 0.0018       | 0.0710       |
| 21     | 5.875      |                | 44959.32      | 0.24     | *V | 0.0007       | 0.0300       |
| 22     | 6.049      |                | 59138.02      | 0.32     | *V | 0.0010       | 0.0394       |
| 23     | 6.143      |                | 75423.55      | 0.41     | *V | 0.0013       | 0.0503       |
| 24     | 6.306      |                | 190765.56     | 1.04     | *V | 0.0032       | 0.1272       |
| 25     | 6.427      |                | 24794.38      | 0.13     | *E | 0.0004       | 0.0165       |
| 26     | 6.478      |                | 33420.81      | 0.18     | *V | 0.0006       | 0.0223       |
| 27     | 6.609      |                | 75642.52      | 0.41     | *V | 0.0013       | 0.0504       |
| 28     | 6.693      |                | 50497.68      | 0.27     | *V | 0.0008       | 0.0337       |
| 29     | 6.856      |                | 89159.06      | 0.48     | *V | 0.0015       | 0.0594       |
| 30     | 6.986      |                | 60109.18      | 0.33     | *V | 0.0010       | 0.0401       |
| 31     | 7.158      |                | 116174.17     | 0.63     | *V | 0.0019       | 0.0774       |
| 32     | 7.226      |                | 56223.00      | 0.31     | *V | 0.0009       | 0.0375       |
| 33     | 7.327      |                | 71690.41      | 0.39     | *V | 0.0012       | 0.0478       |
| 34     | 7.434      |                | 45225.99      | 0.25     | *V | 0.0008       | 0.0302       |
| 35     | 7.657      |                | 147991.00     | 0.80     | *V | 0.0025       | 0.0987       |
| 36     | 7.726      |                | 290754.31     | 1.58     | *V | 0.0048       | 0.1938       |
| 37     | 7.920      |                | 118043.54     | 0.64     | *V | 0.0020       | 0.0787       |
| 38     | 8.029      |                | 28682.21      | 0.16     | *V | 0.0005       | 0.0191       |
| 39     | 8.078      |                | 29785.88      | 0.16     | *V | 0.0005       | 0.0199       |
| 40     | 8.150      |                | 43049.39      | 0.23     | *V | 0.0007       | 0.0287       |
| 41     | 8.195      |                | 45409.13      | 0.25     | *V | 0.0008       | 0.0303       |
| 42     | 8.328      |                | 110394.26     | 0.60     | *V | 0.0018       | 0.0736       |
| 43     | 8.454      |                | 78007.36      | 0.42     | *V | 0.0013       | 0.0520       |
| 44     | 8.522      |                | 54238.60      | 0.29     | *V | 0.0009       | 0.0362       |
| 45     | 8.576      |                | 68478.76      | 0.37     | *V | 0.0011       | 0.0457       |
| 46     | 8.698      |                | 252932.73     | 1.37     | *V | 0.0042       | 0.1686       |
| 47     | 8.908      |                | 64479.34      | 0.35     | *V | 0.0011       | 0.0430       |
| 48     | 9.041      |                | 357911.57     | 1.94     | *V | 0.0060       | 0.2386       |
| 49     | 9.140      |                | 266723.09     | 1.45     | *V | 0.0044       | 0.1778       |
| 50     | 9.271      |                | 67235.70      | 0.37     | *V | 0.0011       | 0.0448       |
| 51     | 9.372      |                | 244292.14     | 1.33     | *V | 0.0041       | 0.1629       |
| 52     | 9.536      |                | 74244.00      | 0.40     | *V | 0.0012       | 0.0495       |
| 53     | 9.666      |                | 145149.45     | 0.79     | *V | 0.0024       | 0.0968       |
| 54     | 9.767      |                | 99097.93      | 0.54     | *V | 0.0017       | 0.0661       |
| 55     | 9.830      |                | 87345.17      | 0.47     | *V | 0.0015       | 0.0582       |
| 56     | 9.923      |                | 88576.24      | 0.48     | *V | 0.0015       | 0.0591       |
| 57     | 9.994      |                | 166241.81     | 0.90     | *V | 0.0028       | 0.1108       |
| 58     | 10.148     |                | 149764.72     | 0.81     | *V | 0.0025       | 0.0998       |
| 59     | 10.264     |                | 389750.73     | 2.12     | *V | 0.0065       | 0.2598       |
| 60     | 10.376     |                | 224254.60     | 1.22     | *V | 0.0037       | 0.1495       |
| 61     | 10.512     |                | 240862.02     | 1.31     | *V | 0.0040       | 0.1606       |
| 62     | 10.696     |                | 397605.84     | 2.16     | *V | 0.0066       | 0.2651       |
| 63     | 10.801     |                | 126572.15     | 0.69     | *V | 0.0021       | 0.0844       |
| 64     | 10.989     |                | 451650.46     | 2.45     | *V | 0.0075       | 0.3011       |
| 65     | 11.125     |                | 173859.97     | 0.94     | *V | 0.0029       | 0.1159       |
| 66     | 11.237     |                | 170515.17     | 0.93     | *V | 0.0028       | 0.1137       |
| 67     | 11.410     |                | 487922.64     | 2.65     | *V | 0.0081       | 0.3253       |
| 68     | 11.491     |                | 208384.19     | 1.13     | *V | 0.0035       | 0.1389       |
| 69     | 11.663     |                | 212933.66     | 1.16     | *V | 0.0035       | 0.1420       |
| 70     | 11.790     |                | 74682.33      | 0.41     | *V | 0.0012       | 0.0498       |
| 71     | 11.910     |                | 191361.27     | 1.04     | *V | 0.0032       | 0.1276       |

| Peak # | Time [min] | Component Name | Area [UV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|----|--------------|--------------|
| 72     | 11.970     |                | 189139.14     | 1.03     | *V | 0.0032       | 0.1261       |
| 73     | 12.053     |                | 90341.54      | 0.49     | *V | 0.0015       | 0.0602       |
| 74     | 12.166     |                | 343109.89     | 1.86     | *V | 0.0057       | 0.2287       |
| 75     | 12.339     |                | 217511.83     | 1.18     | *V | 0.0036       | 0.1450       |
| 76     | 12.488     |                | 405694.21     | 2.20     | *V | 0.0068       | 0.2705       |
| 77     | 12.568     |                | 160956.73     | 0.87     | *V | 0.0027       | 0.1073       |
| 78     | 12.731     |                | 266607.80     | 1.45     | *V | 0.0044       | 0.1777       |
| 79     | 12.880     |                | 79060.78      | 0.43     | *V | 0.0013       | 0.0527       |
| 80     | 12.997     |                | 306828.65     | 1.67     | *V | 0.0051       | 0.2046       |
| 81     | 13.145     |                | 202220.79     | 1.10     | *V | 0.0034       | 0.1348       |
| 82     | 13.226     |                | 164136.24     | 0.89     | *V | 0.0027       | 0.1094       |
| 83     | 13.371     |                | 114737.00     | 0.62     | *V | 0.0019       | 0.0765       |
| 84     | 13.508     |                | 397033.09     | 2.16     | *V | 0.0066       | 0.2647       |
| 85     | 13.574     |                | 392708.33     | 2.13     | *V | 0.0065       | 0.2618       |
| 86     | 13.785     |                | 128343.33     | 0.70     | *V | 0.0021       | 0.0856       |
| 87     | 13.870     |                | 118193.77     | 0.64     | *V | 0.0020       | 0.0788       |
| 88     | 13.963     |                | 229510.09     | 1.25     | *V | 0.0038       | 0.1530       |
| 89     | 14.140     |                | 270644.08     | 1.47     | *V | 0.0045       | 0.1804       |
| 90     | 14.324     |                | 84156.34      | 0.46     | *V | 0.0014       | 0.0561       |
| 91     | 14.388     |                | 78571.82      | 0.43     | *V | 0.0013       | 0.0524       |
| 92     | 14.477     |                | 311913.88     | 1.69     | *V | 0.0052       | 0.2079       |
| 93     | 14.580     |                | 176585.98     | 0.96     | *V | 0.0029       | 0.1177       |
| 94     | 14.649     |                | 100675.89     | 0.55     | *V | 0.0017       | 0.0671       |
| 95     | 14.919     |                | 250856.50     | 1.36     | *V | 0.0042       | 0.1672       |
| 96     | 15.012     |                | 87732.74      | 0.48     | *V | 0.0015       | 0.0585       |
| 97     | 15.064     |                | 71829.29      | 0.39     | *V | 0.0012       | 0.0479       |
| 98     | 15.161     |                | 185042.66     | 1.00     | *V | 0.0031       | 0.1234       |
| 99     | 15.399     |                | 322865.49     | 1.75     | *V | 0.0054       | 0.2152       |
| 100    | 15.525     |                | 120788.30     | 0.66     | *V | 0.0020       | 0.0805       |
| 101    | 15.650     |                | 48239.97      | 0.26     | *V | 0.0008       | 0.0321       |
| 102    | 15.722     |                | 64365.07      | 0.35     | *V | 0.0011       | 0.0429       |
| 103    | 15.780     |                | 140251.56     | 0.76     | *V | 0.0023       | 0.0935       |
| 104    | 15.963     |                | 95684.52      | 0.52     | *V | 0.0016       | 0.0631       |
| 105    | 16.024     |                | 80873.40      | 0.44     | *V | 0.0013       | 0.0531       |
| 106    | 16.115     |                | 72814.23      | 0.40     | *V | 0.0012       | 0.0485       |
| 107    | 16.277     |                | 203215.68     | 1.10     | *V | 0.0034       | 0.1351       |
| 108    | 16.450     |                | 95076.32      | 0.52     | *V | 0.0016       | 0.0631       |
| 109    | 16.548     |                | 27572.80      | 0.15     | *V | 0.0005       | 0.0184       |
| 110    | 16.620     |                | 46478.75      | 0.25     | *V | 0.0008       | 0.0310       |
| 111    | 16.704     |                | 53645.82      | 0.29     | *V | 0.0009       | 0.0351       |
| 112    | 16.801     |                | 74305.34      | 0.40     | *V | 0.0012       | 0.0491       |
| 113    | 16.956     |                | 114930.34     | 0.62     | *V | 0.0019       | 0.0766       |
| 114    | 17.118     |                | 136887.50     | 0.74     | *V | 0.0023       | 0.0912       |
| 115    | 17.256     |                | 56190.35      | 0.31     | *V | 0.0009       | 0.0371       |
| 116    | 17.435     |                | 60988.51      | 0.33     | *V | 0.0010       | 0.0407       |
| 117    | 17.587     |                | 44683.47      | 0.24     | *V | 0.0007       | 0.0298       |
| 118    | 17.719     |                | 42553.17      | 0.23     | *V | 0.0007       | 0.0281       |
| 119    | 17.815     |                | 27503.68      | 0.15     | *V | 0.0005       | 0.0181       |
| 120    | 17.921     |                | 87156.55      | 0.47     | *V | 0.0015       | 0.0581       |
| 121    | 18.111     |                | 33329.37      | 0.18     | *V | 0.0006       | 0.0222       |
| 122    | 18.217     |                | 40465.20      | 0.22     | *V | 0.0007       | 0.0271       |
| 123    | 18.409     |                | 25395.95      | 0.14     | *V | 0.0004       | 0.0169       |
| 124    | 18.490     |                | 26408.05      | 0.14     | *V | 0.0004       | 0.0176       |
| 125    | 18.691     |                | 73475.10      | 0.40     | *V | 0.0012       | 0.0491       |
| 126    | 18.979     |                | 21682.07      | 0.12     | *V | 0.0004       | 0.0141       |
| 127    | 19.159     |                | 20303.70      | 0.11     | *V | 0.0003       | 0.0135       |
| 128    | 19.342     |                | 10136.29      | 0.06     | *V | 0.0002       | 0.0068       |
| 129    | 19.431     |                | 41977.61      | 0.23     | *V | 0.0007       | 0.0281       |

Result File : 405A002.RST, Printed On 4/5/95 15:14

page

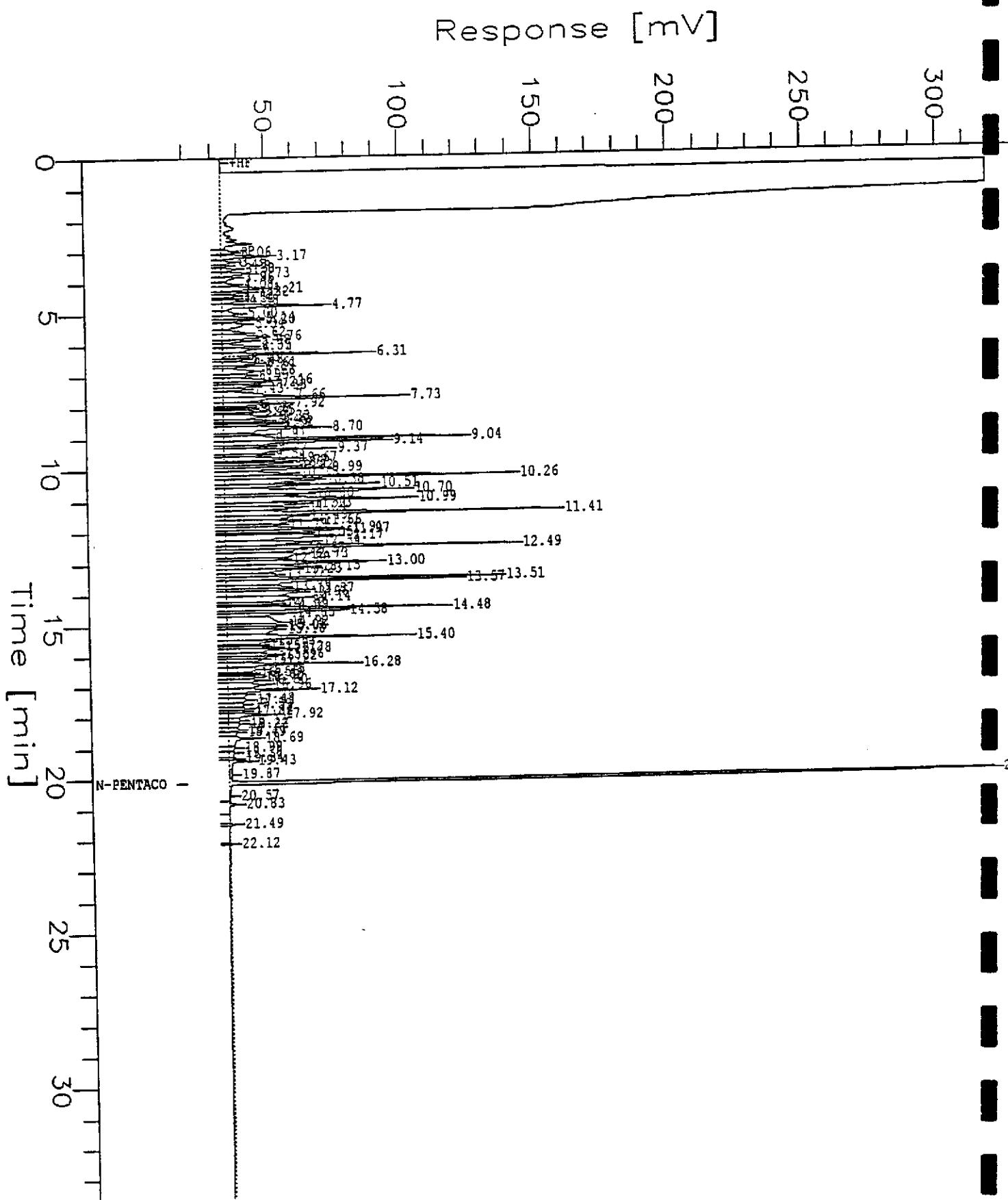
| Peak #             | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [μg/L] |
|--------------------|------------|----------------|---------------|----------|----|--------------|--------------|
| 130                | 19.866     |                | 18367.88      | 0.10     | *E | 0.0003       | 0.0122       |
| 131                | 20.145     | n-Pentacosane  | 2144906.68    | 11.64    | *V | 1.5973       | 63.8912      |
| 132                | 20.567     |                | 8391.77       | 0.05     | *E | 0.0001       | 0.0056       |
| 133                | 20.827     |                | 10206.69      | 0.06     | *V | 0.0002       | 0.0068       |
| 134                | 21.487     |                | 5762.82       | 0.03     | *V | 9.6047e-05   | 0.0038       |
| 135                | 22.122     |                | 1733.81       | 9e-03    | *V | 2.8897e-05   | 0.0012       |
| -----              |            |                |               |          |    |              |              |
| 18419788.08 100.00 |            |                |               |          |    |              |              |

Report Stored in ASCII File: S:\GHP\_05\0409\405A002.TX1

# Chromatogram

Sample Name : DSTD040595 (DIESEL+C25)  
FileName : s:\ghp\_05\0409\405A002.raw  
Method : ETPH05A.ins  
Start Time : 0.00 min End Time : 33.67 min  
Scale Factor: -1.0 Plot Offset: 18 mV

Sample #: DSTD032395 Page 1 of 1  
Date : 4/5/95 15:22  
Time of Injection: 4/5/95 14:40  
Low Point : 18.23 mV High Point : 318.23 mV  
Plot Scale: 300.0 mV



Software Version: 3.3 <4B11>  
 Sample Name : DSTD040595 (DIESEL+C25) Time : 4/5/95 15:22  
 Sample Number: DSTD032395 Study : SAL (ICV)  
 Operator : TO  
 Instrument : GCHP\_05 Channel : A A/D mV Range : 1024  
 AutoSampler : HP7673A  
 Rack/Vial : 1/2  
 Interface Serial # : Data Acquisition Time: 4/5/95 14:40  
 Delay Time : 0.00 min.  
 End Time : 33.67 min.  
 Sampling Rate : 1.2500 pts/sec  
 Raw Data File : S:\GHP\_05\0409\405A002.RAW  
 Result File : S:\GHP\_05\0409\405A002A.RST  
 Instrument File: S:\GHP\_05\MET\_SEQ\ETPH05A  
 Process File : S:\GHP\_05\MET\_SEQ\ETPH05A.prc  
 Sample File : S:\GHP\_05\MET\_SEQ\ETPH05A.smp  
 Sequence File : S:\ghp\_05\met\_seq\h050405.seq  
 Inj. Volume : 3 ul Area Reject : 0.000000  
 Sample Amount : 1.0000 Dilution Factor : 1.00

### Extractable TPH GCHP\_05A

| Peak # | Time [min] | Component Name       | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [ $\mu$ g/L] |
|--------|------------|----------------------|---------------|----------|----|--------------|--------------------|
|        | 8.250      | n-C9 to n-C17 Jet    | 11036376.49   | 20.07    |    | 0.1839       | 7.3576             |
|        | 11.250     | n-C9 to n-C24 TPH-D  | 16230418.44   | 29.52    |    | 15.0000      | 600.0000           |
|        | 16.750     | n-C9 to n-C40 Total  | 18419788.08   | 33.50    |    | 0.3070       | 12.2799            |
|        | 19.875     | n-C16 to n-C36 M/Oil | 9301165.62    | 16.91    |    | 0.1550       | 6.2008             |
|        |            |                      | 54987748.63   | 100.00   |    |              |                    |

Report Stored in ASCII File: S:\GHP\_05\0409\405A002A.TX0

### Extractable TPH GCHP\_05A

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [ $\mu$ g/L] |
|--------|------------|----------------|---------------|----------|----|--------------|--------------------|
| 1      | 3.056      |                | 30074.87      | 0.16 *B  |    | 0.0005       | 0.0200             |
| 2      | 3.172      |                | 84240.13      | 0.46 *V  |    | 0.0014       | 0.0562             |
| 3      | 3.358      |                | 20427.15      | 0.11 *V  |    | 0.0003       | 0.0136             |
| 4      | 3.454      |                | 7894.65       | 0.04 *V  |    | 0.0001       | 0.0053             |
| 5      | 3.581      |                | 29042.36      | 0.16 *V  |    | 0.0005       | 0.0194             |
| 6      | 3.727      |                | 58288.27      | 0.32 *V  |    | 0.0010       | 0.0389             |
| 7      | 3.859      |                | 29636.28      | 0.16 *V  |    | 0.0005       | 0.0198             |
| 8      | 4.080      |                | 27825.32      | 0.15 *V  |    | 0.0005       | 0.0186             |
| 9      | 4.208      |                | 93360.11      | 0.51 *V  |    | 0.0016       | 0.0622             |
| 10     | 4.323      |                | 37629.39      | 0.20 *V  |    | 0.0006       | 0.0251             |
| 11     | 4.424      |                | 25856.21      | 0.14 *V  |    | 0.0004       | 0.0172             |
| 12     | 4.515      |                | 14472.02      | 0.08 *V  |    | 0.0002       | 0.0096             |
| 13     | 4.584      |                | 40146.24      | 0.22 *V  |    | 0.0007       | 0.0268             |
| 14     | 4.768      |                | 191262.94     | 1.04 *V  |    | 0.0032       | 0.1275             |
| 15     | 5.002      |                | 37549.55      | 0.20 *V  |    | 0.0006       | 0.0250             |
| 16     | 5.136      |                | 58188.02      | 0.32 *V  |    | 0.0010       | 0.0388             |

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|----|--------------|--------------|
| 17     | 5.204      |                | 49775.46      | 0.27     | *V | 0.0008       | 0.0332       |
| 18     | 5.339      |                | 76123.19      | 0.41     | *V | 0.0013       | 0.0507       |
| 19     | 5.618      |                | 55405.01      | 0.30     | *V | 0.0009       | 0.0369       |
| 20     | 5.755      |                | 106427.74     | 0.58     | *V | 0.0018       | 0.0710       |
| 21     | 5.875      |                | 44959.32      | 0.24     | *V | 0.0007       | 0.0300       |
| 22     | 6.049      |                | 59138.02      | 0.32     | *V | 0.0010       | 0.0394       |
| 23     | 6.143      |                | 75423.55      | 0.41     | *V | 0.0013       | 0.0503       |
| 24     | 6.306      |                | 190765.56     | 1.04     | *V | 0.0032       | 0.1272       |
| 25     | 6.427      |                | 24794.38      | 0.13     | *E | 0.0004       | 0.0165       |
| 26     | 6.478      |                | 33420.81      | 0.18     | *V | 0.0006       | 0.0223       |
| 27     | 6.609      |                | 75642.52      | 0.41     | *V | 0.0013       | 0.0504       |
| 28     | 6.693      |                | 50497.68      | 0.27     | *V | 0.0008       | 0.0337       |
| 29     | 6.856      |                | 89159.06      | 0.48     | *V | 0.0015       | 0.0594       |
| 30     | 6.986      |                | 60109.18      | 0.33     | *V | 0.0010       | 0.0401       |
| 31     | 7.158      |                | 116174.17     | 0.63     | *V | 0.0019       | 0.0774       |
| 32     | 7.226      |                | 56223.00      | 0.31     | *V | 0.0009       | 0.0375       |
| 33     | 7.327      |                | 71690.41      | 0.39     | *V | 0.0012       | 0.0478       |
| 34     | 7.434      |                | 45225.99      | 0.25     | *V | 0.0008       | 0.0302       |
| 35     | 7.657      |                | 147991.00     | 0.80     | *V | 0.0025       | 0.0987       |
| 36     | 7.726      |                | 290754.31     | 1.58     | *V | 0.0048       | 0.1938       |
| 37     | 7.920      |                | 118043.54     | 0.64     | *V | 0.0020       | 0.0781       |
| 38     | 8.029      |                | 28682.21      | 0.16     | *V | 0.0005       | 0.0191       |
| 39     | 8.078      |                | 29785.88      | 0.16     | *V | 0.0005       | 0.0199       |
| 40     | 8.150      |                | 43049.39      | 0.23     | *V | 0.0007       | 0.0287       |
| 41     | 8.195      |                | 45409.13      | 0.25     | *V | 0.0008       | 0.0301       |
| 42     | 8.328      |                | 110394.26     | 0.60     | *V | 0.0018       | 0.0736       |
| 43     | 8.454      |                | 78007.36      | 0.42     | *V | 0.0013       | 0.0520       |
| 44     | 8.522      |                | 54238.60      | 0.29     | *V | 0.0009       | 0.036        |
| 45     | 8.576      |                | 68478.76      | 0.37     | *V | 0.0011       | 0.045        |
| 46     | 8.698      |                | 252932.73     | 1.37     | *V | 0.0042       | 0.1686       |
| 47     | 8.908      |                | 64479.34      | 0.35     | *V | 0.0011       | 0.0430       |
| 48     | 9.041      |                | 357911.57     | 1.94     | *V | 0.0060       | 0.238        |
| 49     | 9.140      |                | 266723.09     | 1.45     | *V | 0.0044       | 0.177        |
| 50     | 9.271      |                | 67235.70      | 0.37     | *V | 0.0011       | 0.0448       |
| 51     | 9.372      |                | 244292.14     | 1.33     | *V | 0.0041       | 0.1629       |
| 52     | 9.536      |                | 74244.00      | 0.40     | *V | 0.0012       | 0.049        |
| 53     | 9.666      |                | 145149.45     | 0.79     | *V | 0.0024       | 0.096        |
| 54     | 9.767      |                | 99097.93      | 0.54     | *V | 0.0017       | 0.0661       |
| 55     | 9.830      |                | 87345.17      | 0.47     | *V | 0.0015       | 0.058        |
| 56     | 9.923      |                | 88576.24      | 0.48     | *V | 0.0015       | 0.059        |
| 57     | 9.994      |                | 166241.81     | 0.90     | *V | 0.0028       | 0.1108       |
| 58     | 10.148     |                | 149764.72     | 0.81     | *V | 0.0025       | 0.0998       |
| 59     | 10.264     |                | 389750.73     | 2.12     | *V | 0.0065       | 0.259        |
| 60     | 10.376     |                | 224254.60     | 1.22     | *V | 0.0037       | 0.149        |
| 61     | 10.512     |                | 240862.02     | 1.31     | *V | 0.0040       | 0.1606       |
| 62     | 10.696     |                | 397605.84     | 2.16     | *V | 0.0066       | 0.2651       |
| 63     | 10.801     |                | 126572.15     | 0.69     | *V | 0.0021       | 0.084        |
| 64     | 10.989     |                | 451650.46     | 2.45     | *V | 0.0075       | 0.301        |
| 65     | 11.125     |                | 173859.97     | 0.94     | *V | 0.0029       | 0.1159       |
| 66     | 11.237     |                | 170515.17     | 0.93     | *V | 0.0028       | 0.1137       |
| 67     | 11.410     |                | 487922.64     | 2.65     | *V | 0.0081       | 0.325        |
| 68     | 11.491     |                | 208384.19     | 1.13     | *V | 0.0035       | 0.138        |
| 69     | 11.663     |                | 212933.66     | 1.16     | *V | 0.0035       | 0.1420       |
| 70     | 11.790     |                | 74682.33      | 0.41     | *V | 0.0012       | 0.049        |
| 71     | 11.910     |                | 191361.27     | 1.04     | *V | 0.0032       | 0.121        |
| 72     | 11.970     |                | 189139.14     | 1.03     | *V | 0.0032       | 0.1261       |
| 73     | 12.053     |                | 90341.54      | 0.49     | *V | 0.0015       | 0.0602       |
| 74     | 12.166     |                | 343109.89     | 1.86     | *V | 0.0057       | 0.228        |
| 75     | 12.339     |                | 217511.83     | 1.18     | *V | 0.0036       | 0.145        |
| 76     | 12.488     |                | 405694.21     | 2.20     | *V | 0.0068       | 0.2705       |
| 77     | 12.568     |                | 160956.73     | 0.87     | *V | 0.0027       | 0.1073       |
| 78     | 12.731     |                | 266607.80     | 1.45     | *V | 0.0044       | 0.17         |

| Peak # | Time [min] | Component Name | Area [uV*sec] | Area [%] | BL | Soil [mg/kg] | Water [µg/L] |
|--------|------------|----------------|---------------|----------|----|--------------|--------------|
| 79     | 12.880     |                | 79060.78      | 0.43     | *V | 0.0013       | 0.0527       |
| 80     | 12.997     |                | 306828.65     | 1.67     | *V | 0.0051       | 0.2046       |
| 81     | 13.145     |                | 202220.79     | 1.10     | *V | 0.0034       | 0.1348       |
| 82     | 13.226     |                | 164136.24     | 0.89     | *V | 0.0027       | 0.1094       |
| 83     | 13.371     |                | 114737.00     | 0.62     | *V | 0.0019       | 0.0765       |
| 84     | 13.508     |                | 397033.09     | 2.16     | *V | 0.0066       | 0.2647       |
| 85     | 13.574     |                | 392708.33     | 2.13     | *V | 0.0065       | 0.2618       |
| 86     | 13.785     |                | 128343.33     | 0.70     | *V | 0.0021       | 0.0856       |
| 87     | 13.870     |                | 118193.77     | 0.64     | *V | 0.0020       | 0.0788       |
| 88     | 13.963     |                | 229510.09     | 1.25     | *V | 0.0038       | 0.1530       |
| 89     | 14.140     |                | 270644.08     | 1.47     | *V | 0.0045       | 0.1804       |
| 90     | 14.324     |                | 84156.34      | 0.46     | *V | 0.0014       | 0.0561       |
| 91     | 14.388     |                | 78571.82      | 0.43     | *V | 0.0013       | 0.0524       |
| 92     | 14.477     |                | 311913.88     | 1.69     | *V | 0.0052       | 0.2079       |
| 93     | 14.580     |                | 176585.98     | 0.96     | *V | 0.0029       | 0.1177       |
| 94     | 14.649     |                | 100675.89     | 0.55     | *V | 0.0017       | 0.0671       |
| 95     | 14.919     |                | 250856.50     | 1.36     | *V | 0.0042       | 0.1672       |
| 96     | 15.012     |                | 87732.74      | 0.48     | *V | 0.0015       | 0.0585       |
| 97     | 15.064     |                | 71829.29      | 0.39     | *V | 0.0012       | 0.0479       |
| 98     | 15.161     |                | 185042.66     | 1.00     | *V | 0.0031       | 0.1234       |
| 99     | 15.399     |                | 322865.49     | 1.75     | *V | 0.0054       | 0.2152       |
| 100    | 15.525     |                | 120788.30     | 0.66     | *V | 0.0020       | 0.0805       |
| 101    | 15.650     |                | 48239.97      | 0.26     | *V | 0.0008       | 0.0322       |
| 102    | 15.722     |                | 64365.07      | 0.35     | *V | 0.0011       | 0.0429       |
| 103    | 15.780     |                | 140251.56     | 0.76     | *V | 0.0023       | 0.0935       |
| 104    | 15.963     |                | 95684.52      | 0.52     | *V | 0.0016       | 0.0638       |
| 105    | 16.024     |                | 80873.40      | 0.44     | *V | 0.0013       | 0.0539       |
| 106    | 16.115     |                | 72814.23      | 0.40     | *V | 0.0012       | 0.0485       |
| 107    | 16.277     |                | 203215.68     | 1.10     | *V | 0.0034       | 0.1355       |
| 108    | 16.450     |                | 95076.32      | 0.52     | *V | 0.0016       | 0.0634       |
| 109    | 16.548     |                | 27572.80      | 0.15     | *V | 0.0005       | 0.0184       |
| 110    | 16.620     |                | 46478.75      | 0.25     | *V | 0.0008       | 0.0310       |
| 111    | 16.704     |                | 53645.82      | 0.29     | *V | 0.0009       | 0.0358       |
| 112    | 16.801     |                | 74305.34      | 0.40     | *V | 0.0012       | 0.0495       |
| 113    | 16.956     |                | 114930.34     | 0.62     | *V | 0.0019       | 0.0766       |
| 114    | 17.118     |                | 136887.50     | 0.74     | *V | 0.0023       | 0.0913       |
| 115    | 17.256     |                | 56190.35      | 0.31     | *V | 0.0009       | 0.0375       |
| 116    | 17.435     |                | 60988.51      | 0.33     | *V | 0.0010       | 0.0407       |
| 117    | 17.587     |                | 44683.47      | 0.24     | *V | 0.0007       | 0.0298       |
| 118    | 17.719     |                | 42553.17      | 0.23     | *V | 0.0007       | 0.0284       |
| 119    | 17.815     |                | 27503.68      | 0.15     | *V | 0.0005       | 0.0183       |
| 120    | 17.921     |                | 87156.55      | 0.47     | *V | 0.0015       | 0.0581       |
| 121    | 18.111     |                | 33329.37      | 0.18     | *V | 0.0006       | 0.0222       |
| 122    | 18.217     |                | 40465.20      | 0.22     | *V | 0.0007       | 0.0270       |
| 123    | 18.409     |                | 25395.95      | 0.14     | *V | 0.0004       | 0.0169       |
| 124    | 18.490     |                | 26408.05      | 0.14     | *V | 0.0004       | 0.0176       |
| 125    | 18.691     |                | 73475.10      | 0.40     | *V | 0.0012       | 0.0490       |
| 126    | 18.979     |                | 21682.07      | 0.12     | *V | 0.0004       | 0.0145       |
| 127    | 19.159     |                | 20303.70      | 0.11     | *V | 0.0003       | 0.0135       |
| 128    | 19.342     |                | 10136.29      | 0.06     | *V | 0.0002       | 0.0068       |
| 129    | 19.431     |                | 41977.61      | 0.23     | *V | 0.0007       | 0.0280       |
| 130    | 19.866     |                | 18367.88      | 0.10     | *E | 0.0003       | 0.0122       |
| 131    | 20.145     | n-Pentacosane  | 2144906.68    | 11.64    | *V | 2.0000       | 80.0000      |
| 132    | 20.567     |                | 8391.77       | 0.05     | *E | 0.0001       | 0.0056       |
| 133    | 20.827     |                | 10206.69      | 0.06     | *V | 0.0002       | 0.0068       |
| 134    | 21.487     |                | 5762.82       | 0.03     | *V | 9.6047e-05   | 0.0038       |
| 135    | 22.122     |                | 1733.81       | 9e-03    | *V | 2.8897e-05   | 0.0012       |

18419788.08 100.00