SFUND RECORDS CTR
67464

TRC

PRELIMINARY SITE CHARACTERIZATION REPORT WASTE DISPOSAL, INC. SUPERFUND SITE VOLUME I

Prepared for

Waste Disposal, Inc. Group

Santa Fe Springs, California

Prepared by

TRC

Irvine, California

Project No. 94-256
March 1998

TRC
21 Technology Drive
Irvine, California 92618
Telephone 714-727-9336
Facsimile 714-727-7399

Recyclable and made from recycled paper

TABLE OF CONTENTS

TABLE OF CONTENTS

	PAGE NO.
LIST OF TABLES/LIST OF FIGURES	iii
1.0 INTRODUCTION	1-1
1.1 Purpose and Objectives	1-1
1.2 Report Description	1-2
2.0 PROJECT BACKGROUND	2-1
2.1 General Site History	2-1
2.2 Summary of Prior Investigations	2-2
3.0 SUPPLEMENTAL SITE CHARACTERIZATION	3-1
3.1 Soils and Perched Reservoir Liquids	3-1
3.1.1 Soils/Perched Liquids and Characterization	3-1
3.1.2 Reservoir Liquids	3-5
3.2 Soil Gas Characterization	3-5
3.2.1 Gas Generation and Flux Calculations	3-8
3.3 In-Business Air Characterization	3-9
3.3.1 In-Business Air Monitoring	3-9
3.3.2 Ventilation Inspections	3-10
3.3.3 Calculations of Potential Concentrations in Buildings	3-11
3.4 Ground Water Characterization	3-11
3.5 Updated Site Hypothesis	3-12
4.0 REMAINING REMEDIAL DESIGN WORK	4-1
4.1 Remaining Field Work	4-1
4.1.1 Soils	4-1
4.1.2 Reservoir Liquids	4-2
4.1.3 Soil Gas	4-3
4.1.4 In-Business Air Monitoring	4-5
4.1.5 Ground Water	4-6
4.1.6 Other Activities	4-6
4.2 Design Activities	4-7
4.3 Administrative Activities	4-7

TABLE OF CONTENTS
(Continued)

	PAGE NO.
5.0 MASTER RD/RA SCHEDULE	5-1
6.0 REFERENCES	6-1

TABLES
FIGURES

APPENDIX A: ANALYTICAL LABORATORY RESULTS
APPENDIX B: GEOPROBE LOGS AND VOLUME CALCULATIONS
APPENDIX C: GAS GENERATION CALCULATIONS
APPENDIX D: VENTILATION STUDIES AND TM NO. 9
APPENDIX E: SEPTIC TANK PERMITTING DOCUMENTATION
APPENDIX F: STORMWATER MANAGEMENT SYSTEM
APPENDIX G: PREVIOUS REPORT SOILS DATA

TABLE OF CONTENTS
(Continued)

PAGE NO.

LIST OF TABLES

TABLE NO.	TITLE
3.1	Geotechnical Results
3.2	TPH Analyses Results
3.3	Maximum Potential Concentrations in Buildings

LIST OF FIGURES

FIGURE NO.	TITLE
2.1	Site Location Map
2.2	Site Features
3.1	WDIG Geoprobe Soil Data Summary
3.2	Locations of Liquids Samples and Analyses Results
3.3	Reservoir Well and Probe Liquid Levels
3.4	Section AA'
3.5	Section BB'
3.6	February 1998 Vapor Well Monitoring Results
3.7	Summary of Historical Vapor Well Monitoring Results
3.8	February 1998 Vapor Well Monitoring Results - No Site Specific Criteria VOCs
3.9	In-Business Air Monitoring Locations and Analyses Results
3.10	Existing Ground Water Well Locations and SVOC Analyses Results
3.11	Existing Ground Water Monitoring Well Locations and Metals Analyses Results
3.12	Existing Ground Water Well Locations and PCB/Pesticides Analyses Results
3.13	Existing Water Monitoring Well Locations and VOC Analyses Results

PAGE NO.

LIST OF FIGURES
(Continued)

FIGURE NO.	TITLE
4.1	Location of Additional Vapor Wells Requested by EPA/DTSC and Vapor Wells Proposed by WDIG
5.1	Integrated RD/RA Schedule

1.0 INTRODUCTION

1.1 PURPOSE AND OBJECTIVES

1. This Preliminary Supplemental Site Characterization Report (Report) provides a summary of new site data collected subsequent to the 1995 Predesign Field Investigation (TRC, 1996b) and delineates the remaining Remedial Design (RD) activities proposed by the Waste Disposal, Inc. Group (WDIG). The WDIG also presents in this Report an integrated schedule for the remaining RD work in compliance with the actions prescribed in Task 3 of the Amended Statement of Work (SOW) of the Amended Administrative Order Docket No. 97-09 for the Soil and Subsurface Gas Operable Unit at the Waste Disposal, Inc. (WDI) Superfund Site. A new integrated schedule is necessary because of the large number of requests to the WDIG for work not specifically described in the SOW that has been received from the United States Environmental Protection Agency (EPA). Specifically, this Report also addresses requests made in EPA's letters issued on March 2, 3, 4, 5 and 6, 1998.

2. The specific purpose of the Report is to:
   - Summarize site data collected during recent field investigations.
   - Refine the site hypothesis.
   - Delineate remaining RD activities.
   - Propose a schedule for remaining RD activities.

   While this Report has been triggered by EPA's early March 1998 letters to the WDIG, the timing of this Report is appropriate for this stage of activities because between the EPA and the WDIG. The bulk of the work envisaged in the RD Investigation Activities Workplan (TRC, 1997a) has been completed, and, therefore, it is important to begin to evaluate results and focus on the remaining activities.

3. The following objectives are expected to be achieved by this submittal:
   - Gain consensus, or at least define potentially opposing viewpoints, on the site conceptual model.
   - Gain consensual alignment on the scope of the remaining RD related activities.
   - Agree on forecasted schedule towards the Supplemental Feasibility Study phase of the project.

4. All data and analyses presented herein are preliminary; much of the data has been very recently received and has not been through the required validation process. This Report will be used as the core of the Final RD Investigative Summary Report/Alternatives Analyses for

Subsurface Gas and Soils and the Final Ground Water Investigative Summary Report/ Feasibility Study for Ground Water. These reports and studies are Tasks RD-31 and -32, respectively, of the Amended SOW.

1.2 REPORT ORGANIZATION

1. This report is organized as follows:

- Chapter 2.0 - Project Background
- Chapter 3.0 - Supplemental Site Characterization
- Chapter 4.0 - Remaining Remedial Design Work
- Chapter 5.0 - Master RD/RA Schedule
- Chapter 6.0 - References
- Appendices:
  - Appendix A - Analytical Laboratory Reports
    - Attachment A.1 - Soils
    - Attachment A.2 - Soil Gas
    - Attachment A.3 - Reservoir Liquids
    - Attachment A.4 - Perched Liquids
    - Attachment A.5 - In-Business Air
    - Attachment A.6 - Ground Water
  - Appendix B - Geoprobe Logs and Volume Calculations
    - Attachment B.1 - Geoprobe Boring Logs
    - Attachment B.2 - Volume Calculations
  - Appendix C - Gas Generation Calculations
    - Attachment C.1 - Methane Generation
    - Attachment C.2 - Air Conductivity
    - Attachment C.3 - Upward Flux
  - Appendix D - Ventilation Studies and TM No. 9
    - Attachment D.1 - Ventilation Studies
    - Attachment D.2 - TM No. 9
  - Appendix E - Septic Tank Permitting Documentation
  - Appendix F - Stormwater Management System
  - Appendix G - Previous Report Soils Data
    - Attachment G.1 - FS Report Figure
    - Attachment G.2 - Predesign/Intermediate (60%) Design Report Figures

2.0 PROJECT BACKGROUND

2.1 GENERAL SITE HISTORY

1. This general site history is taken from various reports and studies conducted at the site. Extensive site history information is available in previous documents (e.g., Remedial Investigation [RI] Report, EBASCO, 1989d, Predesign/Intermediate (60%) Design Report, (TRC, 1996b).

2. The WDI Superfund site is located in the city of Santa Fe Springs, Los Angeles County, California on an approximate 40-acre parcel of land (Figures 2.1 and 2.2). The site is bordered on the northwest by Santa Fe Springs Road, on the northeast by Fedco Food Distribution Center and St. Paul High School, on the southwest by Los Nietos Road, and on the southeast by Greenleaf Avenue. Areas of the site along Los Nietos Road and Santa Fe Springs Road are occupied by industrial complexes. The site property along Greenleaf Avenue, which is the closest property boundary to residential areas (approximately 50 feet), has one remaining structure (Area 5), and a few remaining foundations from previous structures (Areas 6 and 7).

3. The WDI site contains a buried 42-million-gallon-capacity concrete reservoir originally constructed above grade for crude petroleum storage. The reservoir was decommissioned for storage in the late 1920s and beginning in the 1950's was used for disposing of a range of wastes and solid fill materials. Aerial photographs from the mid-1940s to early 1950s show the reservoir as being empty. After 1949, activities were regulated under permit from Los Angeles County until completion of closure in 1964. Reliable documentation on disposal was not maintained; as a result, a comprehensive history of the site is not available. However, investigations have shown that disposed material included drilling muds, sludges and construction debris, both in the reservoir and in unlined disposal pits in Areas 2, 4, 5 and 7.

4. In 1953, WDI started receiving clean fill for covering the site, including the reservoir area and unlined disposal pits. Available data indicates that between 5 to 15 feet of clean fill exists in all or most of the site. Since 1953, the site has been divided into multiple lots, and various businesses have developed on the site. The site was backfilled throughout the 1950s, with disposal continuing on portions of the site into the 1960s when the site was fully closed. A small, northwestern portion of the reservoir area is covered with an asphalt parking lot, used for recreational vehicle storage. The remainder of the reservoir area is undeveloped.

5. The site was placed on the National Priorities List (NPL) in July of 1987. In 1988, EPA undertook a removal action, erecting a fence around the southeast corner of the site to improve security and prevent accidental exposure to surface contamination. During the years 1988 to 1993, EPA undertook a Remedial Investigation/Feasibility Study (RI/FS) which led to the selected remedy presented in the Record of Decision (ROD).

6. The WDIG, initially comprised of the eight companies named in the original Administrative Order Docket No. 94-17, undertook Predesign and Design activities during 1995 and 1996, and has submitted a Predesign/Intermediate (60%) Design Report (TRC 1996b) and a Pre-Final (90%) Design Report (TRC, 1996a).

7. The expanded WDIG, now comprised of 21 companies named in the Amended Administrative Order Docket 97-09, has undertaken the RD Investigative Activities, which are currently being completed, plus other activities requested by EPA (e.g., stormwater management, in-business air monitoring). EPA has undertaken the performance of the Gas Contingency Plan (EPA, 1997) plus oversight of various experimental investigative activities such as Gore-Sorber™ probes and geophysical surveys. Results of EPA activities under the Gas Contingency Plan are discussed in Chapter 3.0; the results of the experimental activities have not been released or published by EPA, so they cannot be used to add further value to the database used in this Report.

2.2 SUMMARY OF PRIOR INVESTIGATIONS

1. The Remedial Investigation (RI) completed by EPA in 1988 and 1989 were documented in the RI Report (EBASCO, 1989d) and the Feasibility Study (FS) Report (EPA, 1993). This body of work concluded the following:
   - Of the more than 100 soil borings and hundreds of individual analyses, only a relatively small number of samples indicated concentrations of constituents of concern greater than ROD cleanup standards. See Appendix G for an FS Report figure showing borings with elevated constituents concentrations.
   - The current clean fill material is not contaminated and does not present a risk.
   - The majority of the contamination is contained within the reservoir area.
   - Some areas used for waste handling outside the reservoir area have elevated concentrations but appear to be bound by soils and are relatively insoluble.

- Methane is the dominant subsurface gas, with the highest concentration found within the reservoir.
- Contaminated does not appear to have migrated downward to the ground water.

Chapter 3.0 contains summaries of the soil gas and ground water data.

2. The 1995 Predesign Activities conducted by the WDIG were focused primarily on investigating soil conditions in Site Areas 4 and 7, plus confirming earlier EPA soil gas and ground water findings.

3. The results of the predesign soil chemistry investigations in Areas 4 and 7 (Attachment G.2 contains soil chemistry data for these two areas) indicate that unacceptable risk conditions originally though to occur at these locations do not actually exist. For example, it was originally though that Be and Tl conditions may have been elevated due to prior site activities. However, as was discussed in the RD Workplan (TRC, 1995), the Be and Tl concentrations appear to be at background levels which are above the residential PRGs. On that basis, it would be impossible to achieve the original goals. If more realistic industrial PRGs (e.g., 1.3 and 100 mg/L (EPA, 1993d) for Be and Tl, respectively) are considered, both background and observed Area 4 and Area 7 values are acceptable. Review of Area 4 and Area 7 sampling and analysis data indicates (using industrial PRGs for Be and Tl) that: (1) there are no exceedances in Area 4 of ROD Cleanup Standards; and (2) that at a 95 percent confidence level there are no exceedances of ROD Cleanup Standard in Area 7. The two isolated exceedances of arsenic and chromium in Area 7 are estimated to represent only a 10^{-7} carcinogenic risk level in the Focused Risk Assessment contained in the Predesign/60% Design Report (TRC, 1996b), which is less than EPA's imminent endangerment criteria range of 10^{-4} to 10^{-6}. Based on this data, excavation of Areas 4 and 7 is not warranted.

4. Soil gas concentrations were found, at some wells, to be more elevated than in EPA monitoring data. Ground water monitoring data confirmed EPA's finding that the site did not seem to be affecting the underlying aquifers. Chapter 3.0 contains a summary of the soil gas and ground water data.

3.0 SUPPLEMENTAL SITE CHARACTERIZATION

1. This chapter presents the results of the various supplemental site investigative activities conducted by the WDIG, under the 1997 RD Investigative Activities Workplan, and by EPA, under the Gas Contingency Plan. The scope of the supplemental site investigative activities that is reported herein is listed below:
   - Geoprobe investigation of soil conducted by WDIG.
   - Geoprobe investigation of soil conducted by EPA.
   - Vapor well monitoring conducted by both EPA and WDIG.
   - Ground water monitoring conducted by WDIG.
   - In-business air monitoring conducted by both EPA and WDIG.
   - Reservoir liquids monitoring by WDIG.

2. In order to more clearly and concisely present the preliminary analyses and findings of the collected data, a format is employed that relies on a series of pertinent objectives and related findings about the conditions in each medium.

3. The following subsections present the investigative results by site media, i.e., soils and liquids, soil gas, in-business air and ground water.

3.1 SOILS AND PERCHED RESERVOIR LIQUIDS

3.1.1 SOILS/PERCHED LIQUIDS AND CHARACTERIZATION

1. A geoprobe investigation was completed at the site by the WDIG in Fall 1997, following Appendix C of the RD Investigative Activities Workplan (TRC, 1997a and various addenda). The objectives of this program, as amended included the following:
   - Area Inside of the Prior Oil Storage Reservoir:
     - Determine chemistry characteristics of waste materials disposed in the reservoir, and near surface fill material above the waste.
   - Area Outside of the Reservoir:
     - Delineate the area extent and thickness of sump-like materials below the existing surface of fill soil. Sump-like materials generally have the appearance of low permeability drilling mud with evidence of petroleum hydrocarbons.
     - Determine chemistry characteristics of:
       - The fill soil above the sump-like material.
       - The sump-like material.
       - The natural soil beneath the sump-like material.
     - Analyze the chemistry of perched water observed at several areas with sump-like material.

2. Figure 3.1 shows the location of the geoprobe borings installed to satisfy the above objectives. Probes TS-1 through TS-127 were selected to supplement prior data discussed in Chapter 2.0 and soil gas probe information developed separately by EPA in the Summer 1997. Probes TS-128 through TS-157 were installed at locations selected to collect representative samples for chemical analysis and geotechnical (primarily permeability) testing. Figure 3.1 also summarizes the soil chemistry and sump-like material thickness data. Table 3.1 summarizes the permeability data. Figure 3.2 summarizes the chemistry analyses for the perched water samples extracted from two geoprobe holes. Finally, Table 3.2 provides TPH data for the various materials.

3. Attachment A.1 contains the analytical laboratory reports. Attachment B.1 provides boring logs for the geoprobes.

4. The volume of waste material inside the central reservoir is calculated to be approximately 148,000 cubic yards. Attachment B.2 contains the volume calculations. The volume of sump-like material outside the reservoir is calculated to be approximately 211,000 cubic yards, broken down by Site Area (see Figure 3.1) as follows:

SITE AREA	APPROXIMATE VOLUME OF SUMP-LIKE MATERIAL (cubic yards)	AVERAGE THICKNESS OF SUMP-LIKE MATERIAL (feet)
1	900	1.5
2	165,000	12
3	None	—
4	21,000	12
5	10,500	10
6	None	—
7	7,600	12
8	6,200	3
TOTAL	211,000	-

5. The chemical profile of the waste material summarized in Figure 3.1 is shown in comparison with the Record of Decision (ROD) Constituents of Concern (COCs). The criteria used for most constituents is the cleanup criteria presented in the ROD. Exceptions include beryllium and thallium, which are compared to their Industrial Preliminary Remediation Goals (PRGs). This difference in criteria is used because: (1) data from the 1988 RI work showed that background levels for beryllium and thallium indicated concentrations higher than the original cleanup standards; and (2) the determination that deed restrictions would limit site uses to lower than potential residential (e.g. industrial/commercial) exposures.

6. Tetrachloroethene (PCE) and vinyl chloride (VC) concentrations are also plotted on Figure 3.1. These constituents are not ROD COCs, but have been included because of their occurrence in some of the 1989, 1997 and 1998 soil gas vapor investigations.

7. Observations from the soil chemistry data provided in Figure 3.1 include the following:
   - Area Inside the Prior Oil Storage Reservoir
     - Most constituents for the waste materials (deeper samples at TS-130, -134, -135 and -140) are below cleanup standards. Exceptions are one exceedance of arsenic at a 12-foot depth in TS-135 single exceedances of chromium and PCE at 12-foot depth in TS-130.
     - Constituents for the overlying fill material generally are less than the cleanup criteria. The concentrations of arsenic and chromium at a depth of 3.8 feet in TS-130 are slightly above (30 percent and 32 percent) the cleanup standards. The concentration of arsenic at a depth of 3.3 feet in TS-140 exceeds the cleanup criteria by about 10 percent.
   - Area Outside of the Reservoir
     - Sump-like material was observed at most of Area 2, along the inside perimeters of Areas 1 and 8 and at the interior perimeters of Areas 4, 5 and 7.
     - The thickness of sump-like material generally is within the 3- to 10-foot range. Some thicker zones exist in Areas 4 and 5. The Area 4 data correlates well with boring data from the 1995 Predesign investigation discussed in Section 2.2.
     - Soil Chemistry Data Results
       - Overlying Fill
         - Concentrations of Organic Constituents are below COCs at all locations.
         - Concentrations of metals are generally below COCs. Outliers include:
           - One occurrence of arsenic and chromium at TS-132.
           - Occurrence of lead at TS-126, 129 and 132.
       - Sump-Like Materials
         - Concentrations of organic constituents are below COCs at all locations.
         - Concentrations of metals are generally below COCs. Outliers include only arsenic, chromium and lead at TS-132.
       - Underlying Soils
         - Concentrations of metals and organics below COCs for practically all underlying soil samples. The only exception is: one occurrence of arsenic at 20 percent above the COC at a depth of 18 feet in TS-138.

- Chemistry of Perched Water Observations (Figure 3.2)
  - Perched water was sampled and analyzed at TS-137 and -141. Analyses of the water from these locations show no detectable concentrations of VOCs.

8. As indicated above, the soils and sump-like materials are generally clean. Several outliers of relatively small metals exceedances were observed, primarily in overlying fill soils. TCLP testing of the outlier samples shown with Footnote 4 of Figure 3.1 are presently being conducted to determine leachability of those metals.

9. Table 3.1 shows that the fluid conductivities of the materials vary as follows:

Material	Liquid Hydraulic Conductivity (cm/sec)	Air Conductivity (cm/sec)
• Overlying Fill	10^{-7}	10^{-6} to 10^{-9}
• Sump-like Material	10^{-4} to 10^{-7}	10^{-6} to 10^{-9}
• Underlying Soil	10^{-3} to 10^{-6}	10^{-4} to 10^{-8}

The most important observation from these data are the generally low hydraulic and air conductivities of the sump-like materials and existing fill "cap" soils. These characteristics are similar to those frequently required for a low permeability cap and will greatly reduce the potential for significant infiltration water or gas migration to occur. In fact it is interesting to note that the sump material which surrounds the central reservoir area has a permeability similar to cap and cutoff wall remedial component structures.

10. In summary, the sump-like materials are located over most of Area 2 and portions of Areas 1, 4, 5, 7, and 8, and range in thickness from very thin to >10 feet. The chemical profiles for these materials generally show conditions which are below cleanup criteria. The few outlier exceptions for metals are being evaluated for leachability. In addition, the material has a very low hydraulic conductivity which will restrict the migration either infiltrating water or subsurface gases. The material appears to be relatively non-leachable and impermeable.

3.1.2 RESERVOIR LIQUIDS

1. Figure 3.2 shows the location of Well VW-09, from which reservoir liquids samples were collected and analyzed. The figure also summarizes the chemical profile of the sampled reservoir liquids. There are additional reservoir liquids investigative activities planned, under TM No. 6 - Reservoir Liquids Testing (TRC, 1997b). These activities will provide data on the hydraulic yield of wells in the reservoir liquids, additional chemical profiles of reservoir liquids, and the lateral hydraulic connectivity between different points in the reservoir. These additional activities are discussed further in Chapters 4.0 and 5.0.

2. Liquid levels have been monitored in the reservoir from December to February. During this period, liquid levels have risen significantly due to unprecedented rainfall caused by the global weather pattern known as "El Niño" (see Figure 3.3). This weather pattern is expected to diminish in the coming months. There is an anomalous drop in water level at Well P-1, the reason is not apparent. Additional water level monitoring of these wells will continue prior to and during the planned Reservoir Liquids Testing program.

3. Additional data was gathered during the completion of Well EX-1 and the Boring EX-2, which are part of the reservoir liquids testing program. EX-1 has not gathered significant liquid quantities since its installation, while EX-2 quickly filled up with liquids. Initial speculation is that the internal structure of the fill within the reservoir creates a condition where liquids are contained in disconnected discreet pockets. Cross sections showing liquid levels are depicted in Figure 3.4 and 3.5.

3.2 SOIL GAS CHARACTERIZATION

1. Both the WDIG and EPA conducted soil gas investigative activities during 1997 and 1998, under WDIG's 1997 RD Investigation Activities Workplan (TRC 1997a) and EPA's 1997 Gas Contingency Plan (EPA, 1997a). These activities included the following:
   - Geoprobe soil gas screening investigation by EPA in Summer 1997.
   - Two soil gas monitoring rounds conducted by EPA in August and September 1997 on the original vapor well network (installed for the RI/FS by EPA in 1988) and at monitoring probes installed by others at the Brother's facility.
   - Installation of 22 additional multinested vapor wells by the WDIG under TM No. 7 - Installation of Vapor Wells (TRC, 1997c).
   - One soil gas monitoring round conducted by WDIG in February 1998 on the expanded vapor well network.

Figure 3.6 shows the locations of the expanded vapor well network. Figure 3.6 also graphically summarizes the most recent monitoring results, while Figure 3.7 summarizes previous monitoring data. Attachment A.3 contains the analytical laboratory reports for the most recent monitoring round. Attachment A.4 presents a data summary from the two monitoring rounds completed by EPA in 1997.

2. The objectives of this work were the following:
   - Determine current soil gas conditions at:
     - Perimeter of the site
     - Adjacent to onsite structures
     - Interior of the site
   - Determine trends in the historical data.
   - Evaluate if other compounds that have currently not been assigned site-specific action levels may pose a site risk.

   The following paragraphs discuss the results of the activities to date.

3. Interim action levels for benzene and vinyl chloride were established as part of EPA's Gas Contingency Plan (EPA 1997a) and the Amended Administration Order Docket 97-09 (EPA, 1997a), based on the potential migration of subsurface gas into onsite businesses. To develop these standards, the risks range (10^{-4} to 10^{-6}) for each compound was calculated using an in-business exposure pathway from subsurface gases. EPA then assumed a diffusion factor of 100, to adjust these values to reflect the allowable concentration of gas in the vapor well. A more detailed description of the rational for these interim action levels is provided in EPA's Subsurface Gas Contingency Plan and the Amended Administrative Order.

4. To address the risks from methane, EPA used the Integrated Waste Management Board's (IWMB's) methane action level in buildings as their criteria. The IWMB's criteria is as follows:
   - Methane levels in buildings will be below 1.25 percent (i.e., 25 percent of the lower explosion limit of 5 percent methane).
   - Subsurface methane levels at the site boundary must be below 5 percent.

5. Soil gas conditions indicate that:
   - All perimeter wells indicate conditions are below action levels. Only two perimeter wells indicate slightly elevated methane (VW-30 and -40), at concentrations of approximately 1 percent, significantly less than the 5 percent action level.

- By far the highest concentrations of methane and VOCs occur within the reservoir area. The only comparable observations occur at VW-48, immediately outside of the northwest edge of the reservoir. Nearby outside wells VW-03, -08 and -46 do not indicate similar elevated gas conditions.
- Near buildings conditions are generally below action levels, however, two locations seem to have persistent elevated concentrations of methane, benzene and vinyl chloride. These locations are in the vicinity of the Brothers facility in Area 5 (wells MP-1 and -2) and in the C&E Die/Well VW-14 vicinity in Area 8. Data for the following nearby wells indicate that these elevated concentration conditions are not widespread:
  - Area 5: VW-30, -43
  - Area 8: VW-44, -47 and -49
- The observed concentration of Methane in Well VW-25 (Area 7) has varied considerably, ranging from 0.28 percent to 36 percent. The current monitored concentration of methane in this well is 1.2 percent.

The discussion in the following section provides some indication of why conditions at VW-14 and MP-1 and -2 would not be expected to be extensive or problematic. Also, Section 3.3 describes that indoor monitoring of the adjacent buildings has not shown elevated levels of methane or VOCs. Section 4 discusses additional investigative work planned to more definitely characterize conditions at these locations.

6. Currently, only three constituents (methane, benzene and vinyl chloride) have been assigned site-specific action levels. However, other constituents have been detected during monitoring. In order to determine if these other constituents may contribute to health risks, the following group of additional compounds, all known carcinogens, have been evaluated:
   - Tetrachloroethylene (PCE)
   - Trichloroethylene (TCE)
   - Trans -1,2 Dichloroethylene (t-1,2-DCE)
   - Cis-1,2 Dichloroethylene (c-1,2-DCE)
   - 1,1 Dichloroethylene (1,1 DCE)
   - 1,2 Dichloroethane (1,2 DCA)

7. Risk-based concentrations of potential concern were calculated as follows:
   - 10^{-6} risk levels were determined using the ambient air levels from EPA's Preliminary Remediation Goals (PRG) (EPA, August 1996).
   - The ambient air PRGs were multiplied by 100 to adjust for the levels in wells which could potentially reach indoor air, as was done to determine EPA's Interior Action Levels For Benzene and Vinyl Chloride (EPA, 1997b).
   - The adjusted well values were then divided into the following groups:
     - Wells with $<10^{-6}$ risk
     - Wells with $>10^{-6}$ to $<10^{-5}$ risk
     - Wells with $>10^{-5}$ risk

- These criteria are more conservative than the range used by EPA in establishing the interim action levels for benzene and vinyl chloride by an order of magnitude risk level. This approach allowed for more differentiation of the well conditions. If EPA's approach were to have been used, none of the wells would have been flagged.

The comparison of measured concentrations from the latest monitoring round to these criteria are shown graphically in Figure 3.8. As shown, most concentrations for the selected compounds are below the 10^{-6} risk level, and no location exceeds the $>10^{-5}$ risk concern. The few observations in the 10^{-5} to 10^{-6} risk range are for relatively deep monitoring zones, well below the surface or building's foundation.

3.2.2 GAS GENERATION AND FLUX CALCULATIONS

1. The potential rate of methane generation was calculated to provide context for observations of methane concentrations measured in vapor wells. It was anticipated that high concentrations could be observed in soils with low air conductivity, yet the potential flux towards the surface and commercial/industrial buildings could be very low.

2. The rate of methane generation was calculated (see Appendix C.1) from fundamental characteristics of anaerobic decomposition of organic (i.e., TPH) matter and the amount of organic matter available in the waste layer. Globally, the resulting methane generation rate is extremely low at approximately 3,500 standard cubic feet (scf) per day for the approximately 17 acres underlain by sump-like material. This translates to a risk level below 10^{-6} per square foot at the surface. This generation rate is equivalent to 2.41 scf per minute (scfm) for the same area or approximately 3.3E-6 scfm per square foot of surface area. Although very low, this computed rate is approximately an order of magnitude larger than the surface flux measured in the field during the WDIG predesign effort in 1995 (TRC, 1996b). The difference may indicate some combination of the following:
   - The actual methane generation rate is lower than the calculated rate or, more likely;
   - Aerobic decomposition by microbes consumes some methane as it migrates to the surface (Sweeney, R.W., Unocal, 1997).

   In any case, methane generation rate would vary throughout the sump-like material because of the heterogeneous distribution of organic material, moisture, microbial populations, pH and other parameters that affect methane generation.

3. The upward flux due to convection was calculated and compared to the upward flux due to diffusion that had been earlier calculated and transmitted to the EPA in the November 10, 1997 "Ventilation Requirements Assessment, Facility at 9843 South Greenleaf Avenue, Waste Disposal Inc. Superfund Site". The calculation in Attachment C.3 indicates that convection flux amounts to only 1/700 to 1/14, at most, of the magnitude of diffusive flux. Hence, the upward flux of methane, benzene and vinyl chloride is dominated by diffusion driven by a concentration gradient, not by convection driven by a pressure gradient.

4. Once the low generation rate is calculated, the potential flux to the surface by advection and diffusion can be calculated. Advective flux can be calculated from observations of subsurface pressure and calculations of the actual air conductivity, in the fill and sump-like layers. Attachment C.2 contains the calculations of air conductivity for the first four soil samples taken for this purpose. Attachment C.2 also contains the expanded summary calculations for all 18 soil samples submitted to the laboratory for measurement of air conductivity.

5. Upward flux of a constituent towards the surface or slab underneath a commercial/industrial building is the sum of advective and diffusive fluxes. Diffusive flux is driven by a concentration gradient while advective flux is driven by a pressure gradient. Attachment C.3 contains calculations of both advective and diffusive upward fluxes. It shows that there is a very low potential for flux to the surface.

6. This important result can occur in a relatively impermeable porous medium because the tight structure helps to support high concentrations whose gradients drive diffusive flux yet prevent the buildup of a pressure gradient that can produce significant advective flux.

3.3 IN-BUSINESS AIR CHARACTERIZATION

3.3.1 IN-BUSINESS AIR MONITORING

1. Starting in August 1997, the EPA began an In-Business Air monitoring program under the 1997 Gas Contingency Plan. EPA requested that WDIG continue this program, initially on a monthly basis beginning in February 1998, then moving to a quarterly basis after 3 months, on a selected group of six buildings. The monitoring was conducted during periods of minimal circulation (e.g., closed building, no ventilation). Conditions during operating hours (with ventilation at maximum) would be expected to be lower.

2. The results of the In-Business Monitoring for the six selected buildings are graphically summarized in Figure 3.9. Attachment A.5 contains the analytical laboratory reports for the WDIG In-Business Air data.

3. The critical question posed prior to completing the In-Business Air monitoring was whether there were elevated concentrations of methane, benzene and vinyl chloride in the ambient air of the onsite structures. Review of the data does not indicate In-Business concentrations of concern. There were two slight exceedances of benzene in two locations. However, the WDIG believes these are attributable to benzene containing products used in the operation of both businesses. Additionally, the background sample placed at the corner of Los Nietos Road and Greenleaf Avenue (IBM 49) indicated a much higher benzene concentration than for any of the indoor samples, most likely due to exhaust from automobiles.

4. The monitoring data did show sporadic detections of other constituents such as acetone, toluene, xylene and other chlorinated hydrocarbons. These solvents are commonly used in the light industrial activities being conducted in the onsite structures, and do not appear to be related to subsurface soil gas conditions. This assertion is borne out by the fact that the sporadic observations in the structures do not correlate with subsurface soil gas observations.

5. The results of the In-Business Air monitoring indicate that impacts from subsurface conditions are not occurring. Continued monitoring is appropriate for a few structures, however, based on adjacent subsurface soil gas concentrations. Chapter 4.0 and Chapter 5.0 discuss further the proposed long-term In-Business Air monitoring program.

3.3.2 VENTILATION INSPECTIONS

1. As part of the In-Business Air monitoring, an assessment of the building ventilation was conducted at: 9843 South Greenleaf Avenue (Brothers) and 12637 B-Los Nietos Road (C&E Die). The results of this evaluation are as follows:
   - 9843 South Greenleaf Avenue (Brothers):
     - Building ventilation ranges from 25 to 30 air changes per hour.
     - Subsurface utility connections are limited to sewer only.
     - Facility foundations indicated minimal cracking.

- 12637 B-Los Nietos Road (C&E Die):
  - Building ventilation ranges from 2.1 to 4.4 air changes per hour.
  - Subsurface utility connections are limited to sewer only.
  - Facility foundations indicated minimal cracking.

2. These evaluations tend to confirm the monitored observations.

3.3.3 CALCULATIONS OF POTENTIAL CONCENTRATIONS IN BUILDINGS

1. The calculations discussed in Section 3.2.1 and contained in Appendix C allow further estimation of the potential concentrations of methane, benzene and vinyl chloride within structures. Such calculations were included in the November 10, 1997 "Ventilation Requirements Assessment, Facility at 9843 South Greenleaf Avenue, Waste Disposal Inc. Superfund Site. Each of the three constituents is shown in Table 3.3 along with the Occupational Safety and Health Administration (OSHA) Threshold Limit Value (TLV) for benzene and vinyl chloride. The reference standard for methane is the maximum concentration allowed in building spaces to avoid an explosion using a factor of safety of four.

2. Table 3.3 also shows the protection ratio for each constituent, which is between 2.5 million and 25 million.

3. As shown in Attachment C.3, the maximum potential concentrations of benzene and vinyl chloride are low enough to keep health risk orders of magnitude below the carcinogenic limit of 10^{-5} set by the South Coast Air Quality Management District (SCAQMD) and orders of magnitude below the chronic health hazard index of 1.0 set by SCAQMD.

3.4 GROUND WATER CHARACTERIZATION

1. Two rounds of ground water monitoring (September 1998 and January 1998) have been completed at the site by the WDIG under the 1997 RD Investigative Activities Workplan and the Comprehensive Quarterly Ground Water Monitoring Program (TRC, 1997a). These monitoring results are graphically shown in Figures 3.10 to 3.13. Actual laboratory results are provided in Attachment A.6.

2. The key question posed prior to reinstating the ground water monitoring program at the site was whether conditions had changed from the last monitoring in 1995. As is shown in Figures 3.10, 3.11 and 3.12, semivolatile organic compounds (SVOC), metal and PCB/pesticide concentrations are not elevated above Maximum Contaminant Levels or not detected. These results have been consistent over the 10 years of sporadic monitoring at the site.

3. Figure 3.13 shows VOC concentrations. As they have been over the last 10 years, VOCs are nondetect in most wells. However, there is a trend beginning to develop on the western side of the site (Area 1 and west end of Area 8) over the two most recent monitoring rounds. PCE has been detected in Wells GW-11, -10, -9, -24, -22 and -8. This condition is very recent; although a cyclic rise and fall in PCE concentration has occurred in some of the wells in the past (see Figure 3.11, Wells GW-11, -26, and -24).

3.5 UPDATED SITE HYPOTHESIS

1. The final site characterization hypothesis will be developed through a series of technical meetings with the EPA and state agencies. The following additional observations and/or changes which have occurred since the Intermediate 60% Design site characterization are provided to facilitate these discussions:
   - Soils
     - The extent of sump-like material has been extended from Areas 4, 5 and 7 to also include most of Area 2 (outside of the reservoir) and the inside edges of Areas 1 and 8.
     - The chemistry of the sump-like material consistently are below ROD cleanup criteria. Several outliers of arsenic, lead and chromium were observed at several locations in the overlying fill, sump-like material and underlying native soils. TCLP tests are being conducted on representative samples to verify their leachability characteristics.
     - The hydraulic conductivity and air permeability of the sump-like material and overlying fill are both low. This geotechnical characteristic will restrict the migration of liquids or gases.
   - Perched/Reservoir Liquids
     - Perched water inflow to borings in the sump-like material was of sufficient quantity to allow for sampling at only several locations. Chemical analysis of those samples showed no elevated volatile organic constituents.

- Samples of oil and water from the concrete reservoir did show detectable concentrations of chemicals of potential concern. These data will be evaluated in detail when the planned reservoir liquids testing is completed.

- Soil Gas
  - As determined from earlier work, elevated methane and VOC concentrations are not prevalent over most of the site. The satisfaction of state regulatory criteria for boundary areas and areas near to most structures have been confirmed, except as discussed below.
  - Elevated concentrations of subsurface gases continue to be observed in Area 5, near to the Brother's facility and in the portion of Area 8 near to the C&E Die facility. Gas generation and migration calculations indicate that the observed localized conditions are not likely to create conditions which would threaten in-business air quality. However, continued monitoring and evaluation of these areas is warranted. Finally, constituent concentrations at these localized areas do not tend to reflect conditions observed at the concrete reservoir. The potential for local sources due to more recent business practices requires consideration.
  - A single location of elevated methane previously observed in Area 7 appears to have reduced to below levels of concern. Additional monitoring at this location will be required to assure this long-term condition.

- In-Business Air
  - In-business air monitoring has not shown any indication of elevated methane or VOC concentrations associated with general site conditions. These observations are supported by the site-specific gas generation and migration calculations.

- Ground Water
  - Most of the additional ground water monitoring data confirm prior findings of no site related impacts.
  - A potential trend of elevated PCE at several wells on the west side of the site has been identified, however. Continued monitoring of ground water will allow for this potential trend to be further evaluated, and to determine if additional monitoring wells are required to define the extent and probable source of the PCE.

4.0 REMAINING REMEDIAL DESIGN WORK

1. The purpose of this chapter is to describe the remaining Remedial Design (RD) work proposed to be completed by the WDIG. The scope of these remaining activities includes completion of the Amended SOW tasks as presented in the Amended Administrative Order Docket 97-09, plus other activities that have been added to the scope during the course of performing the RD Investigative Activities.

2. This chapter is divided into three sections, as follows:
   - Section 4.1 - Remaining Field Work
   - Section 4.2 - Design Activities
   - Section 4.3 - Administrative Activities

   Chapter 5.0 presents and discusses an integrated schedule for the activities discussed herein.

4.1 REMAINING FIELD WORK

1. The scope proposed in the 1997 RD Investigative Activities Workplan (TRC, 1997a) has been approximately 90 percent completed. The only outstanding activity described in the Workplan is the reservoir liquids testing activities, as expanded in TM No. 6 - Reservoir Liquids Testing (TRC, 1997b). Other activities that have been added to the scope and have been completed or are in progress include:
   - In-business air monitoring
   - Ventilation inspections
   - Soil gas calculations

   The results of these activities have been discussed in the previous chapter. The following paragraphs discuss the scope of the remaining field investigations that should be completed at the site prior to reinitiating the design work.

4.1.1 SOILS

1. The existing soils data indicates that:
   - The limits of sump-like material have been identified.
   - The chemistry of the reservoir, sump-like waste material and soils has been profiled, and is consistent across three independent investigations, i.e., 1988/1989 RI, 1995 Predesign and 1997 RD Investigative Activities.
   - The geotechnical (i.e., hydraulic conductivity and gas permeability) properties of the materials and soil has been characterized.

The amount of investigation performed on soils characterization has been comprehensive (over 400 borings have been drilled on the 40-acre site), and the resulting chemical, stratigraphic and geotechnical database consistent and definitive. Therefore, although additional borings may be advanced during the performance of other work (see TM No. 9 discussion below), additional soils characterization activities are not necessary to complete the RD.

4.1.2 RESERVOIR LIQUIDS

1. As was mentioned above, the WDIG is committed to performing the scope of activities specified in TM No. 6 - Reservoir Liquids Testing (TRC, 1997b). These activities include:
   - Installation of extraction wells and monitoring probes in the reservoir.
   - Perform pump tests on both the free product and aqueous phase liquids encountered in the reservoir.
   - Obtain subsurface gas samples from the reservoir during the pump tests.
   - Obtain reservoir liquids samples from various locations in the reservoir.

   The original schedule presented in TM No. 6 projected that these activities would be completed in December 1997. However, due to the following reasons, the tests have been postponed:

   - This past rainy season has been especially severe, resulting in saturated topsoil conditions. This has created a condition which could result in a health and safety hazards for onsite workers, which include the following:
     - The muddy field conditions makes the mobilization of drilling equipment to the test well locations very difficult in that the equipment is likely to become mired. This results in other equipment being mobilized to pull out stuck equipment, which increases the potential incidence of accidents and injuries.
     - The soft soil conditions may also pose an equipment stability issue as that high center of gravity drill rigs may tend to tilt as they settle differentially into the muddy terrain.
     - The muddy terrain will also increase the probability of slip and fall type of injuries to the workers.
   - There is a concern that if the reservoir pump tests are completed during or just after a heavy rain event the hydraulic yield results from the tests may be skewed.

   EPA's March 4, 1998 letter suggests that WDIG "field force" the test by building access roads, etc. WDIG feels this acceleration to be unnecessary, since the project can be "worked around" to make continued productive use of time. These conditions can easily be mitigated by delaying the start of the TM No. 6 activities until the site surface dries naturally. It is

proposed that these activities be recommenced in April/May 1998 which would allow time for the site to dry to a large degree, but not adversely affect the overall RD schedule. The integration of the reservoir liquids tests with other tasks in presented in Chapter 5.0.

4.1.3 SOIL GAS

1. The WDIG will continue quarterly monitoring of the existing vapor well network at the site. Currently, this monitoring activity is being conducted under the RD Investigative Activities Workplan (TRC, 1997a), while EPA reviews the Comprehensive Quarterly Subsurface Gas Monitoring Plan (TRC, 1997c), under which long-term monitoring will occur.

2. In its March letters, EPA has requested the addition of ten soil gas monitoring wells, primarily located in Area 8 of the site. The requested wells would be located adjacent to onsite structures, based on a rationale that additional data is required for compliance with certain IWMB requirements in Title 27, Division 2, Chapter 3, Article 6, Sections 20919.5, 20921 and 20923. These sections state that methane concentration in facility structures must not exceed 1.25 percent and that the monitoring must ensure that this standard is met. Additionally, the regulations require that such monitoring account for the following factors:
   - Soil conditions
   - Hydrogeologic and hydraulic conditions
   - Location of facility structures
   - Potential migration pathways
   - Nature and age of waste and its potential to generate landfill gas

3. The WDIG has considered these factors, and notes the following observations:
   - None of the buildings have been shown to contain any significant methane.
   - None of the buildings have basements or other subsurface spaces that could possibly hold a volume of methane.
   - Calculations and surface flux measurements have indicated that the methane generation rate is small. The calculated generation rate amounts to only about 2.2 x 10-6 standard cubic feet per minute per square foot of surface area, and the measured surface flux was an order of magnitude smaller.
   - Observations of elevated methane at various monitoring wells at the site are not necessarily indicative of a significant methane generation rate when the porous media have low air conductivities as shown in Appendix C.2.

4. The waste at the site is "aged," and is most likely on the asymptotic low end of a gas generation rate versus time curve, because the waste was placed at the site in the late 1950s

and early 1960s. Transient gas generation calculations performed at the University of Southern California predict that gas concentrations at the site stabilized approximately 10 years after the site was closed. With reference then to the IWMB criterion that the gas generating potential of the waste be considered, this rate is exceedingly small when benchmarked against typical gas generating waste piles (i.e., municipal solid waste landfills). Further gas generation data will be gathered as TM No. 9 is completed. TM No. 9 is included for completeness as Attachment D.2.

5. Considering the above, the WDIG has carefully considered the relative merits of the additional wells requested by EPA, and finds that most would not provide additional necessary data for the following reasons:

   - The targeted areas for the additional locations already include a heavy concentration of existing vapor monitoring wells. This well field has also been augmented once by the WDIG based on similar concerns which were found to be unwarranted. Typically the requested well locations are within 100 to 150 feet of existing wells in the augmented field. Based on the similarity of findings from both the original and augmented well fields, general fundamental knowledge on how landfill gas typically migrates, another iteration of well placements will lead to duplicative data, adding little or no value to the understanding of the site.
   - Other than Well VW-14 (adjacent to the C&E Die building), the existing vapor well network indicates no detectable or significant concentrations of soil gas in the area targeted by the requested wells.
   - Results of In-Business Air Monitoring have consistently indicated that:
     - To the extent that there are measurable concentrations of volatile constituents in the buildings they are below heath risk-based action levels and are readily attributable to light industrial activities in those buildings (see Section 3.3).
     - The profile of gases detected in the subsurface is not similar to the profile of gases detected at insignificant concentrations in any building.
     - The results of the ventilation inspections in these buildings indicated that the air turnover rate was more than adequate for the type of activities being performed (see Attachment D.1).

6. Because of the reasons listed above, the WDIG does not believe that there is sufficient technical rationale to compel installation of all of the ten requested wells. However, the WDIG will agree to install two additional wells at the locations shown on Figure 4.1.

These additional wells will be multinested, and the rationale for their completion is outlined below:

- Proposed Well VW-52:
  - This well will be placed adjacent to existing well VW-14, to obtain a vertical definition of the persistently detected methane and VOC compounds in this area. This well is being added solely to further define a known point, rather than to expand the vapor well network.
- Proposed Well VW-53:
  - This well will be placed adjacent to existing well VW-23, which has had detectable concentrations of vinyl chloride. Again, this well is being added solely to further define a known point.

The integration of the installation of proposed wells with other tasks is presented in Chapter 5.0.

7. Two soil gas monitoring wells that were part of the planned installation of multi-nested wells could not be constructed due to saturated soil conditions. These wells (VW-28 and -44) will be installed together with the proposed wells discussed above.

8. A series of gas generation and other parameter tests have been discussed and planned by the EPA and WDIG, and are detailed in TM No. 9 - Gas Parameter Tests (TRC, 1998). These activities are aimed at definitively determining whether gas generation rates in the sump-like material are as low as calculated. These activities are scheduled to occur from approximately May through August 1998. Chapter 5.0 discusses the integration of these activities with other tasks.

4.1.4 IN-BUSINESS AIR MONITORING

1. The WDIG proposes to continue the monitoring of the related businesses according to the agreements reached with EPA.

2. Interim actions requested by EPA in its March 1998 letters (e.g., ventilation increases, foundation crack filling, retrofitted foundation venting systems) at two onsite businesses are not warranted based on the facts that:
   - These businesses do not exhibit significant concentrations of methane or VOCs above the health-based action levels proposed by EPA.
   - To the extent that there are measurable concentrations of volatile constituents they are readily attributable to light industrial activities in those buildings.

- The requested foundation venting improvements may cause structural damage to the building and/or, what is worse, may actually open pathways currently not available for vertical subsurface gas transport by disturbing surface soils that may be acting as a physical barrier to gas transport and/or as an attenuation zone for gas constituents.
- The results of ventilation inspections at the two subject onsite businesses showed that there was more than adequate air turnover in the buildings.

3. The WDIG believes that building improvements will not be required unless measured ambient air conditions in on-site structures warrant otherwise.

4.1.5 GROUNDWATER

1. The WDIG proposes to continue quarterly ground water monitoring.

2. The PCE concentrations detected in some of the wells in site Areas 1 and 8 are a recent phenomena, and as such should be continued to be monitored as indicated above. The WDIG proposes to keep evaluating this trend for two more quarters, prior to determining the necessity from further activity. Future activity may include installation of additional on-site and/or offsite ground water monitoring wells.

3. One important correlation to illustrate here is that PCE was not detected in either the reservoir aqueous phase or in perched liquids in waste material (see Figure 3.2) outside the reservoir. Therefore, the reservoir and outlying sump-like area is not an apparent source of this solvent. There are or were small businesses in these areas which use solvents for a variety of cleaning purposes and could be potential sources. Additionally, the City of Santa Fe Springs and Los Angeles County have, in the past, allowed the installation of septic tanks to the water table (see Appendix E). Septic tanks are a potential site feature that may be investigated further if the PCE trend is persistent.

4.1.6 OTHER ACTIVITIES

1. Other site activities that will continue or be implemented include the following:
   - Continued operation of stormwater management systems, and submittal of a Stormwater Pollution Prevention Plan (see Appendix F).
   - Site fencing and signage improvements.
   - Stored waste handling activities.

   The integration of these activities are discussed in Chapter 5.0.

4.2 DESIGN ACTIVITIES

1. The design activities, encompass data compilation and analysis, remedial alternatives review and selection, and remedial component design, are encompassed in the following main task descriptions.

   - Data Summary Reports
   - Supplemental Feasibility Study
   - 90% and 100% Design Reports

   Additionally, these tasks are described in the Amended SOW. The schedule for these activities is discussed in Chapter 5.0.

4.3 ADMINISTRATIVE ACTIVITIES

1. Administrative activities include routine reporting, administrative record modifications/ additions and public interaction. The main administrative tasks are the following:

   - Monthly Reports
   - ROD Amendment
   - Public Meetings
   - CD Negotiations

   The schedule for these activities is discussed in Chapter 5.0.

5.0 MASTER RD/RA SCHEDULE

1. The remaining RD Investigative Design and Administrative Activities have been discussed previously in Chapter 4.0. This Chapter presents an integrated, detailed schedule for completing the RD activities and a general timeframe for Remedial Action (RA) activities.

2. The integrated Master RD/RA Schedule is shown in Figure 5.1. As is illustrated the general timeframes for the RD activities are:
   - Field Activities: April 1998 through October 1998[1] (not including monitoring).
   - Monitoring Activities: Quarterly until at least the RA phase.
   - Design Activities (including Supplemental Feasibility Study): August 1998 through February 1999.
   - Administrative Activities: August 1998 through April 1999.[2]
   - RA Activities: After June 1999.

3. It is anticipated that the most critical path elements of this schedule are:
   - Supplemental Feasibility Study Acceptance
   - 100 percent Design Acceptance
   - CD Signing
   - ROD Amendment

   Of course, the path forward hinges upon all parties coming to agreement on the site characterization.

4. WDIG wishes to adopt a mutual gains approach to the objective resolution of site facts. During the next few weeks, building off of interaction and input from EPA, the WDIG will refine the site conceptual model and thereby conceptualize the necessary remedial components. This in turn will allow a smooth transition into the Design Activities.

(1) Field work during the months of August through October 1998 will be for the In-Situ Gas Generation Test portion of TM No. 9, which may be a long-term item based on field data. However, this item will not control schedule; any significant data will be appended to completed data summaries as is necessary.

(2) Monthly Progress Reports will be provided throughout the RD phase.

6.0 REFERENCES

Advanced Foundation Engineering, Inc. 1971. *Foundation Investigation Proposed Industrial Building 12707 East Los Nietos Road, Santa Fe Springs, California.* October 22, 1971.

Dames & Moore. 1984. *Summary of Findings Preliminary Site Characterization, Waste Disposal, Inc.*, for Redevelopment Agency, City of Santa Fe Springs, California. Dames & Moore Job No. 13262-005-01. December 7, 1984.

Dames & Moore. 1985. *Summary of Findings Phase II Investigation, Waste Disposal, Inc. Site,* for Redevelopment Agency City of Santa Fe Springs, California. March 14, 1985.

Dames & Moore. 1986a. *Draft Summary of Findings Field Investigation Campbell Property,* Greenleaf Avenue and Los Nietos Road, Santa Fe Springs, California. Dames & Moore Job No. 13262-011-42. May 20, 1986.

Dames & Moore. 1986b. *Report Cone Penetrometer Survey, Shallow Vapor Survey, Campbell Property*, Greenleaf Avenue and Los Nietos Road, Santa Fe Springs, California. Dames & Moore Job No. 13262-014-42. August 14, 1986.

Dames & Moore. 1986c. *Draft Report Floor Sampling Survey, Shallow Soil Vapor Survey, Toxo Spray-Dust, Inc. Site*, Santa Fe Springs, California. Dames & Moore Job No. 13262-017-042. August 19, 1986.

Dames & Moore. 1986d. *Report Soil Sampling Program, Toxo Spray-Dust, Inc. Site*, Santa Fe Springs, California. Dames & Moore Job No. 13262-017-042. November 5, 1986.

EBASCO Services Incorporated. 1989a. *Final Soil Characterization Report, Waste Disposal, Inc.* EPA Contract 68-01-7250. May 1989.

EBASCO Services Incorporated. 1989b. *Final Groundwater Characterization Report, Waste Disposal, Inc.* EPA Contract 68-01-7250. May 1989.

EBASCO Services Incorporated. 1989c. *Final Subsurface-Gas Characterization Report, Waste Disposal, Inc.* EPA Contract 68-01-7250. May 1989.

EBASCO Services Incorporated. 1989d. *Final Remedial Investigation Report, Waste Disposal, Inc.,* Santa Fe Springs, California. EPA Contract 68-01-7250. November 1989.

EBASCO Services Incorporated. 1989e. *Final Endangerment Assessment, Waste Disposal, Inc.*, Santa Fe Springs, California. EPA Contract 68-01-7250. November 1989.

EBASCO Services Incorporated. 1989f. *Draft Feasibility Study Report, Waste Disposal, Inc. Site,* Santa Fe Springs, California. EPA Contract 68-01-7250. December 1989.

EPA. 1988. *Aerial Photographic Analysis of Waste Disposal, Inc.*, Whittier, California. TS-PIC-88704. March 1988.

EPA. 1989. *Risk Assessment Guidance for Superfund. Volume I - Human Health Evaluation Manual (Part A).* EPA/540/1-89-002. December 1989.

EPA. 1991. *Risk Assessment Guidance for Superfund. Volume I - Human Health Evaluation Manual (Part B, Development of Risk-based Preliminary Remediation Goals).* EPA/540/R-92/003. December 1991.

EPA. 1993a. *Superfund 1992 Groundwater Monitoring Report, Waste Disposal, Inc.,* Santa Fe Springs, California. January 1993.

EPA. 1993b. *EPA Announces Proposed Plan for Contaminated Soil and Subsurface Gas at Waste Disposal, Inc.*, Santa Fe Springs, California. August 1993.

EPA. 1993c. *Feasibility Study Report for Soils and Subsurface Gas Waste Disposal, Inc. Superfund Site,* Santa Fe Springs, California. August 2, 1993.

EPA. 1993d. *Record of Decision (ROD) - Soils and Subsurface Gas Operable Unit.* December 22, 1993.

EPA. 1993e. *Administrative Order (AO) for Remedial Design* - Docket No. 94-17. December 27, 1993.

EPA. 1997a. *Docket No. 97-09 - Amended Administrative Order for Remedial Design and Other Response Actions (Amending Docket No. 94-17).* 1997.

EPA. 1997b. *Attachment 2 - Amended Scope of Work for Remedial Design.* Waste Disposal, Inc. Superfund Site Soil and Subsurface Gas Operable Unit, Santa Fe Springs, California. March 1997.

EPA. *Gas Contingency Plan.* Waste Disposal, Inc. Superfund Site Summary. 1997.

HSE (Hammond Soils Engineering). 1975. *Fill Investigation and Preliminary Soils Study,* Proposed Industrial Building Located at 12707 East Los Nietos Road, Santa Fe Springs, California. August 4, 1975.

Sweeney, R. W., Unocal. Personal communication to Dr. Ian Webster. 1997.

TRC. *Final Soils and Subsurface Gas Remedial Design Work Plan.* Waste Disposal, Inc. Superfund Site, Santa Fe Springs, California. March 1995

TRC. *Prefinal (90%) Design Report Soils and Subsurface Gas Remedial Design.* April 1996a.

TRC. *RD Investigative Activities Workplan (Rev. 2.0).* Waste Disposal, Inc. Superfund Site. August 1997a.

TRC. *Technical Memoranda No. 4 - Planned Design Modifications to Soil Gas Remedial Design and Monitoring Network, No. 5 - Ground Water Sampling and Analysis Plan.* Waste Disposal, Inc. Superfund Site. December 1996c.

TRC. *TM No. 6 - Reservoir Liquids Testing.* Waste Disposal, Inc. Superfund Site. November 1997b.

TRC. *TM No. 7 - Vapor Well Construction Details.* Waste Disposal, Inc. Superfund Site. November 1997c.

cyclable and made from recycled paper.

TABLES

TABLE 3.1

GEOTECHNICAL RESULTS

SAMPLE LOCATION	DEPTH (feet)	LAYER	AIR CONDUCTIVITY (cm/sec)	HYDRAULIC CONDUCTIVITY (cm/sec)	USCS CLASSIFICATION
TS-136	10 - 11	Sump-Like	4.41 E-10	2.70E - 06	SM
	17 - 18	Native	1.59 E-06	5.90E - 07	ML
TS-137	8.5 - 9.2	Sump-Like	4.28 E-07	4.35E - 05	ML
	31.5 - 32.2	Native	4.04 E-04	7.06E - 04	SP
TS-138	11.3 - 12.0	Sump-Like	2.18 E-10	1.98E - 06	SP
	25.1 - 25.8	Underlying	2.16 E-04	1.07E - 04	SM
TS-139	6.0 - 7.0	Sump-Like	4.19 E-10	2.13E - 06	SM
	14.0 - 15.0	Native	1.14 E-08	4.49E - 06	SP
TS-141	15.0 - 15.6	Sump-Like	4.65 E-07	1.03E - 04	GP/SP
	18.0 - 19.0	Sump-Like	2.53 E-09	8.37E - 08	ML
TS-142	11.0 - 12.0	Sump-Like	8.70 E-09	3.33E - 06	SM
	16.0 - 17.0	Native	1.07 E-08	1.63E - 07	ML
TS-148	3.0 - 5.0	Fill	2.34 E-08	1.13E - 07	ML
	10.0 - 12.0	Sump-Like	9.50 E-09	3.07E - 07	ML
TS-25	0 - 3	Fill	1.38 E-06	--	ML
	7 - 10	Sump-Like	3.74 E-09	--	ML
TS-56	2 - 4	Fill	2.24 E-09	--	ML
	12 - 14	Sump-Like	2.13 E-10	--	ML

94-256/Rpts/PrSu (3/24/98/dh)

-- = Not tested

Note: Preliminary laboratory data; has not undergone rigorous QA/QC or validation. This data and associated interpretations are subject to change.

TABLE 3.2

TPH ANALYSES RESULTS

SAMPLE LOCATION	TOTAL HYDROCARBON MATRIX (mg/kg)	
TS-127	23,000 970 <50	Fill Sump Native
TS-128	2,900 84,000 <50	Fill Sump Native
TS-129	<50 45,000 <50	Fill Sump Native
TS-130	2,900 26,000	Fill Sump
TS-131	<50	Fill
TS-132	6,500 <10,000 790	Fill Sump Native
TS-133	370 16,000 <50	Fill Sump Native
TS-134	4,400 3,200	Fill Sump
TS-135	1,900 38,000	Fill Sump
TS-136	1,800 34,000 <50	Fill Sump Native
TS-137	2,400 370 8,000	Fill Sump Native
TS-138	2,700 210 <50	Fill Sump Native
TS-139	880 2,500 <50	Fill Sump Native
TS-140	3,800 7,500	Fill Sump
TS-141	21,00 16,000 690	Fill Sump Native
TS-142	80 <50 <50	Fill Sump Native

94-256 (Rpts/PrSu)(3/21/98/jss)

NA = Not Analyzed
ND = Not Detected

Note: Preliminary laboratory data; has not undergone rigorous QA/QC or validation. This data and associated interpretations are subject to change.

TABLE 3.3

MAXIMUM POTENTIAL CONCENTRATIONS IN BUILDINGS

PARAMETER	UNITS	CONSTITUENT		
		Methane	Benzene	Vinyl Chloride
Maximum Potential Concentration	ppt	5,000	0.02	0.04
OSHA TLV(1)	ppmu	NA(2)	0.1	1
Standard for Building Spaces	%	1.25	NA	NA
Protection Ratio(3)	–	2.5×10^6	5×10^6	2.5×10^7

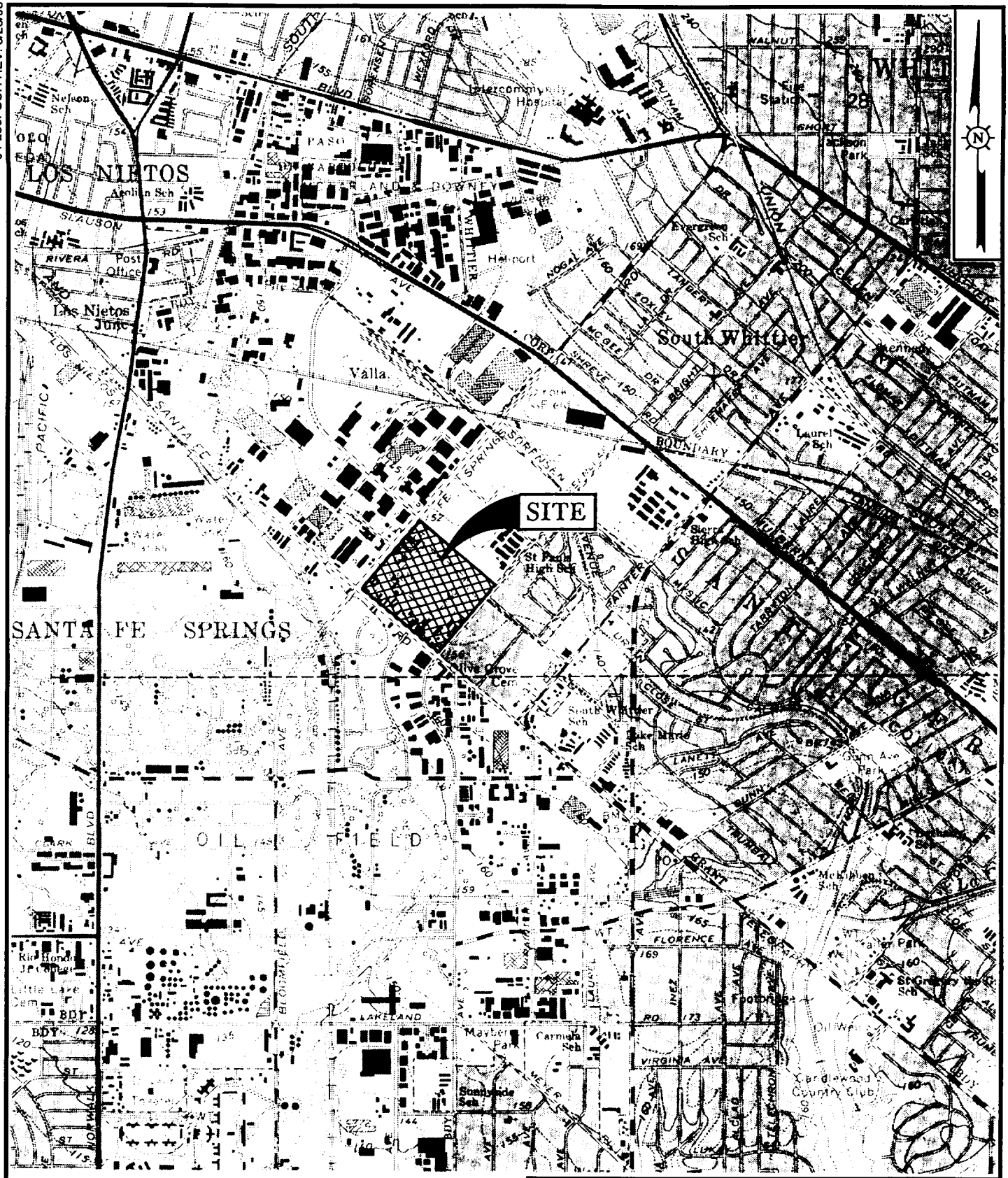
94-256/Rpts/PrSu (3/23/98/ks)

(1) TLV = Threshold limit value.
(2) NA = Not applicable.
(3) Protection ratio = TLV/maximum potential concentration.

FIGURES

Recyclable and made from recycled paper.

94-256PSCR REV. 3/23/98



0 2,000 4,000 FEET

SCALE

PRELIMINARY

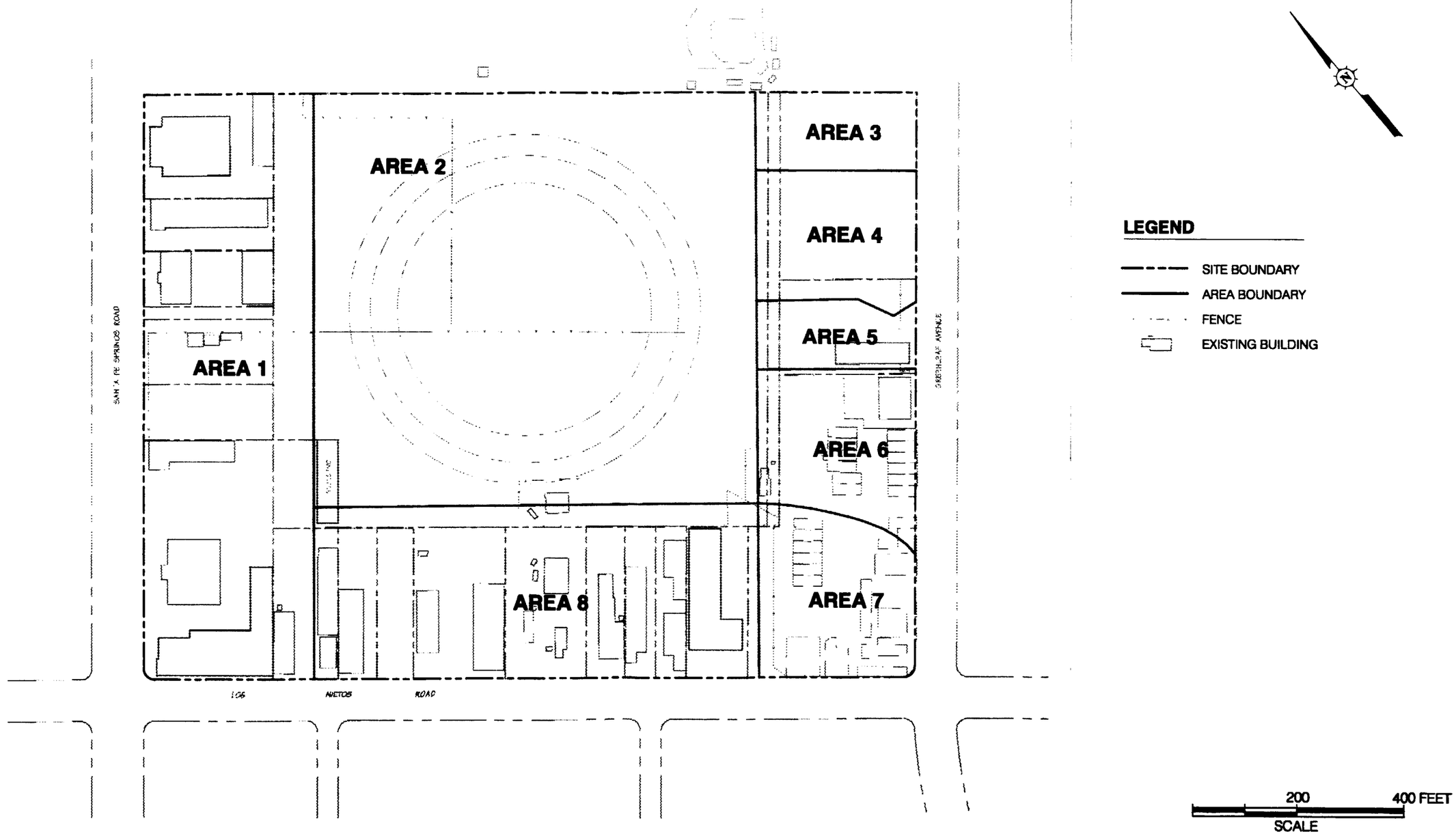
REFERENCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP OF WHITTIER, CALIFORNIA, DATED 1981.

SITE LOCATION MAP

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 2.1



PRELIMINARY

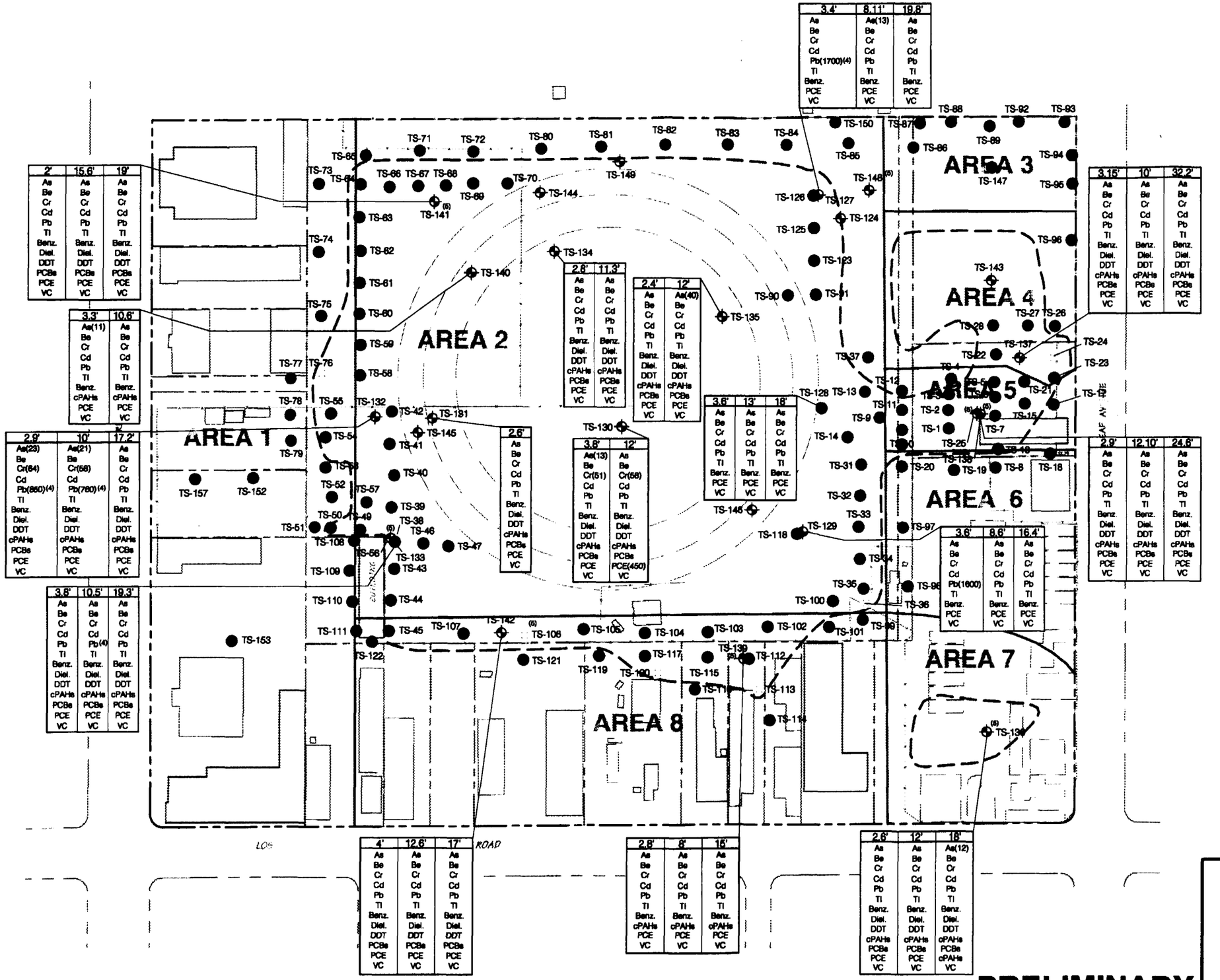
FEATURES

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 2.2

94-256FSCR-08 REV. 03/22/98



LEGEND

- SITE BOUNDARY
- AREA BOUNDARY
- SUMP-LIKE MATERIAL DELINEATION

WDI GEOPROBES

- IMPACTED MATERIAL WAS NOT ENCOUNTERED
- IMPACTED MATERIAL <3 FEET THICK
- IMPACTED MATERIAL 3-10 FEET THICK
- IMPACTED MATERIAL >10 FEET THICK
- PROBES USED FOR CHEMICAL AND GEOTECHNICAL PROFILE

COCs		CLEAN-UP STANDARDS[1]
AS	ARSENIC	10.0
Be	BERYLLIUM	1.3[2]
Cr	CHROMIUM	44
Cd	CADMIUM	35
Pb	LEAD	500
Tl	THALLIUM	100[2]
Benz.	BENZENE	2.7
Diel.	DIELDRIN	.11
DDT, DDD, DDE		5
cPAHs		.23
PCBs		.22
PCE	TETRACHLOROETHLENE	17[3]
VC	VINYLCHLORIDE	.035[3]
As	BELOW CLEAN-UP CRITERIA	
As	EQUAL TO OR ABOVE CLEAN-UP CRITERIA	

NOTES:

1. CLEAN-UP STANDARDS BASED ON ROD EXCEPT AS NOTED.
2. BASED ON INDUSTRIAL PRG FOR SOIL FOR SECTIONS 4.1 OF 60% DESIGN.
3. BASED ON INDUSTRIAL PRG FOR SOIL (USEPA, 1996).
4. TCLP TESTS ARE BEING CONDUCTED ON INDICATED SAMPLES TO DETERMINE LEACHABILITY.
5. SEE TABLE 3.1 FOR GEOTECHNICAL RESULTS.

0 160 320 FEET
SCALE

REFERENCE: NUNEZ ENGINEERING, SURVEY DRAWING NE 97187, OCT. 31, 1997.

PRELIMINARY

WDIG GEOPROBE SOIL DATA SUMMARY

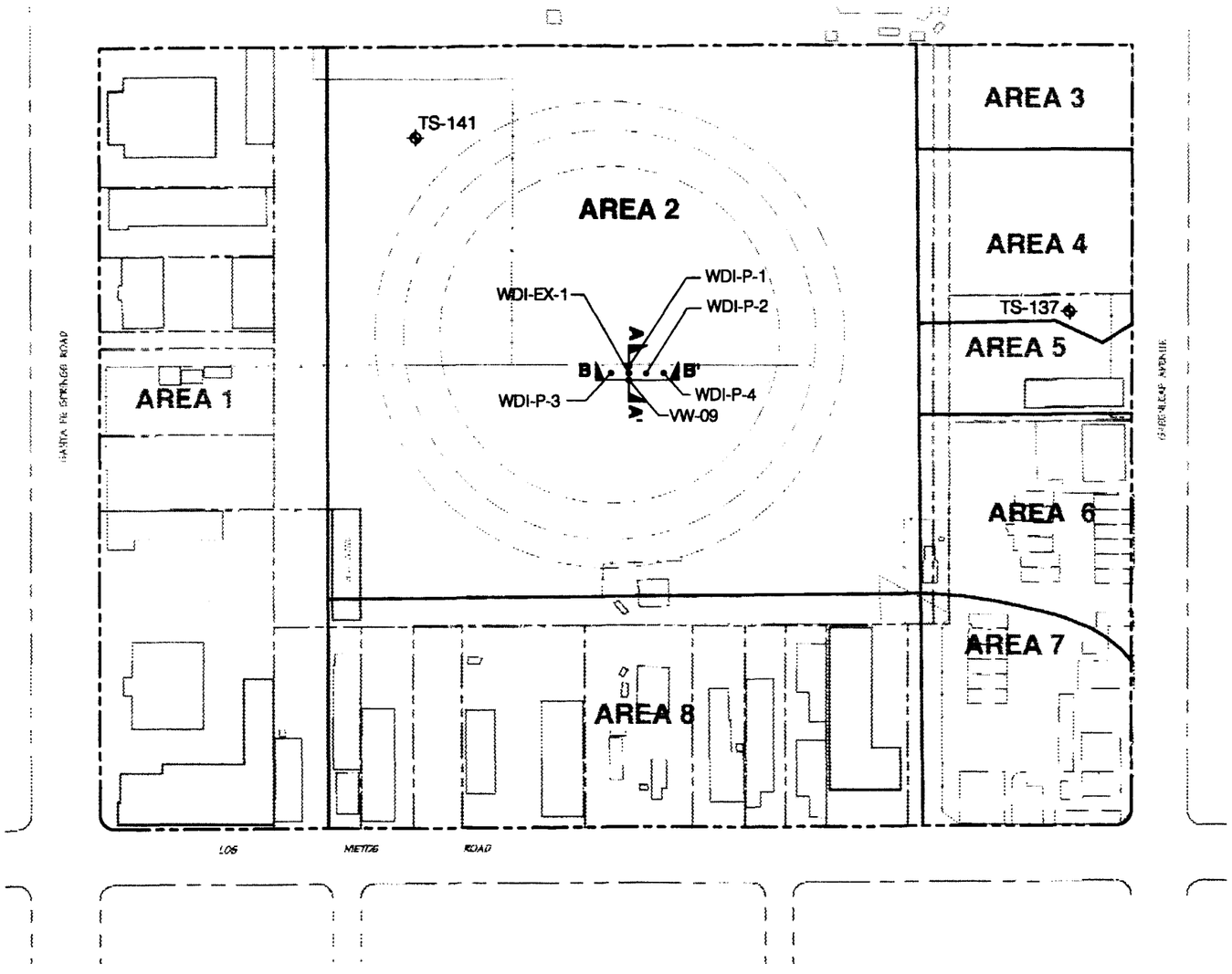
WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 3.1

94-268\SCR-11 REV. 3/23/98

PARAMETERS	RESERVOIR LIQUIDS SAMPLE LOCATION	
	VW-09	
	OIL	WATER
TOTAL METALS (mg/L)		
Arsenic	NA	0.19
Antimony		<0.1
Barium		0.41
Beryllium		<0.001
Cadmium		<0.005
Chromium		0.011
Cobalt		<0.04
Copper		0.030
Lead		0.025
Mercury		<0.0002
Molybdenum		0.54
Nickel		0.094
Selenium		<0.004
Silver		<0.01
Thallium		<0.07
Vanadium		<0.04
Zinc		0.030
Aluminum		4.3
Calcium		31
Iron		2.8
VOCs (ug/L)(1)		
Acetone	NA	350
Benzene		760
Carbon Disulfide		72
Methyl ethyl ketone		1,800
Methyl isobutyl ketone		820
Trichloroethene		11
Vinyl chloride		11
cis-1,2-Dichloroethene		110
trans-1,2-Dichloroethene		2
Tetrachloroethene		<0.5
SVOCs (ug/L)(1)(2)		
2,4-Dimethylphenol		700
2-Methylnaphtalene	1,500	890
2-Methylphenol (o-Cresol)		690
4-Methylphenol (p-Cresol)		1,400
Benzyl Alcohol		1,000
Naphthalene	740	620
Phenol	320	1,000
Pesticides (ug/L)(1)		
p,p'-DDE	NA	0.39
Simulated Distillation (mg/L)		
C10-C11	41,000	NA
C12-C13	61,000	
C14-C15	68,000	
C16-C17	60,000	
C18-C19	40,000	
C20-C23	100,000	
C24-C27	73,000	
C28-C31	83,000	
C32-C36	68,000	
C36-C39	32,000	
C40-C43	<200	
C44+	<200	



PARAMETERS	GEOPROBE LIQUIDS SAMPLE LOCATIONS	
	WDI-TS-137	WDI-TS-141
	OIL	WATER
VOCs (ug/L)(1)		
Acetone	<10	<10
Benzene	<0.5	<0.5
Carbon Disulfide	<2.0	<1.0
Methyl ethyl ketone	<10.0	<3.0
Methyl isobutyl ketone	<4.0	<3.0
Trichloroethene	<0.5	<0.5
Vinyl chloride	<5	<0.5
cis-1,2-Dichloroethene	<0.5	<0.5
trans-1,2-Dichloroethene	<0.5	<0.5
Tetrachloroethene	<0.5	<0.5

NA = ANALYZED

(1) ONLY THOSE PARAMETERS WHICH HAD MEASURABLE CONCENTRATIONS IN ONE OR MORE OF THE ANALYSES SHOWN ARE LISTED. THE PARAMETER LIST OF THE VARIOUS ANALYSES IS MUCH MORE COMPREHENSIVE.
(2) THIS ANALYSES HAD ELEVATED DETECTION LIMITS.

0 200 400 FEET
SCALE

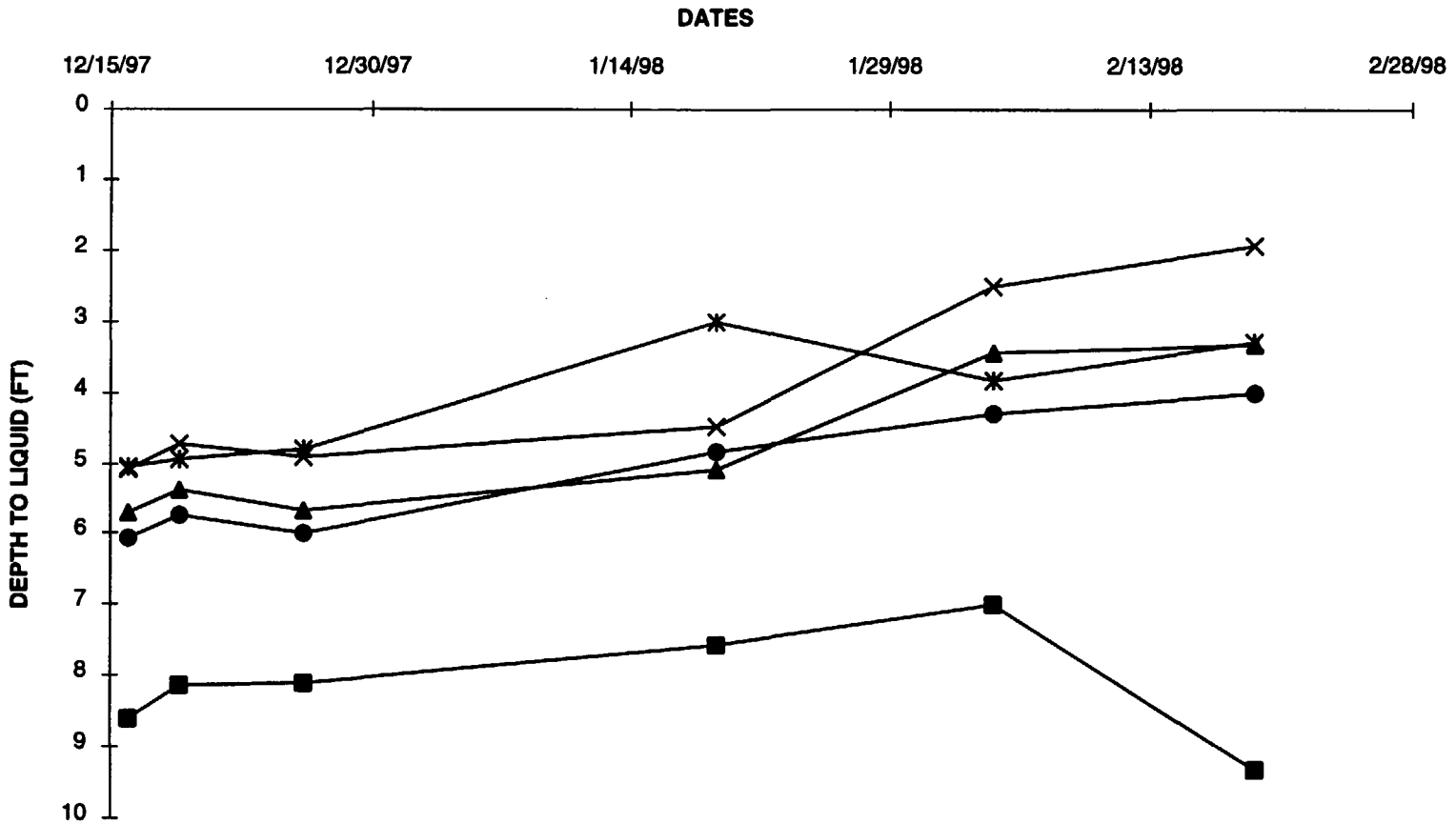
PRELIMINARY

LOCATIONS OF LIQUIDS SAMPLES AND ANALYSES RESULTS

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 3.2



LEGEND

- P-1
- P-2
- P-3
- P-4
- VW-09

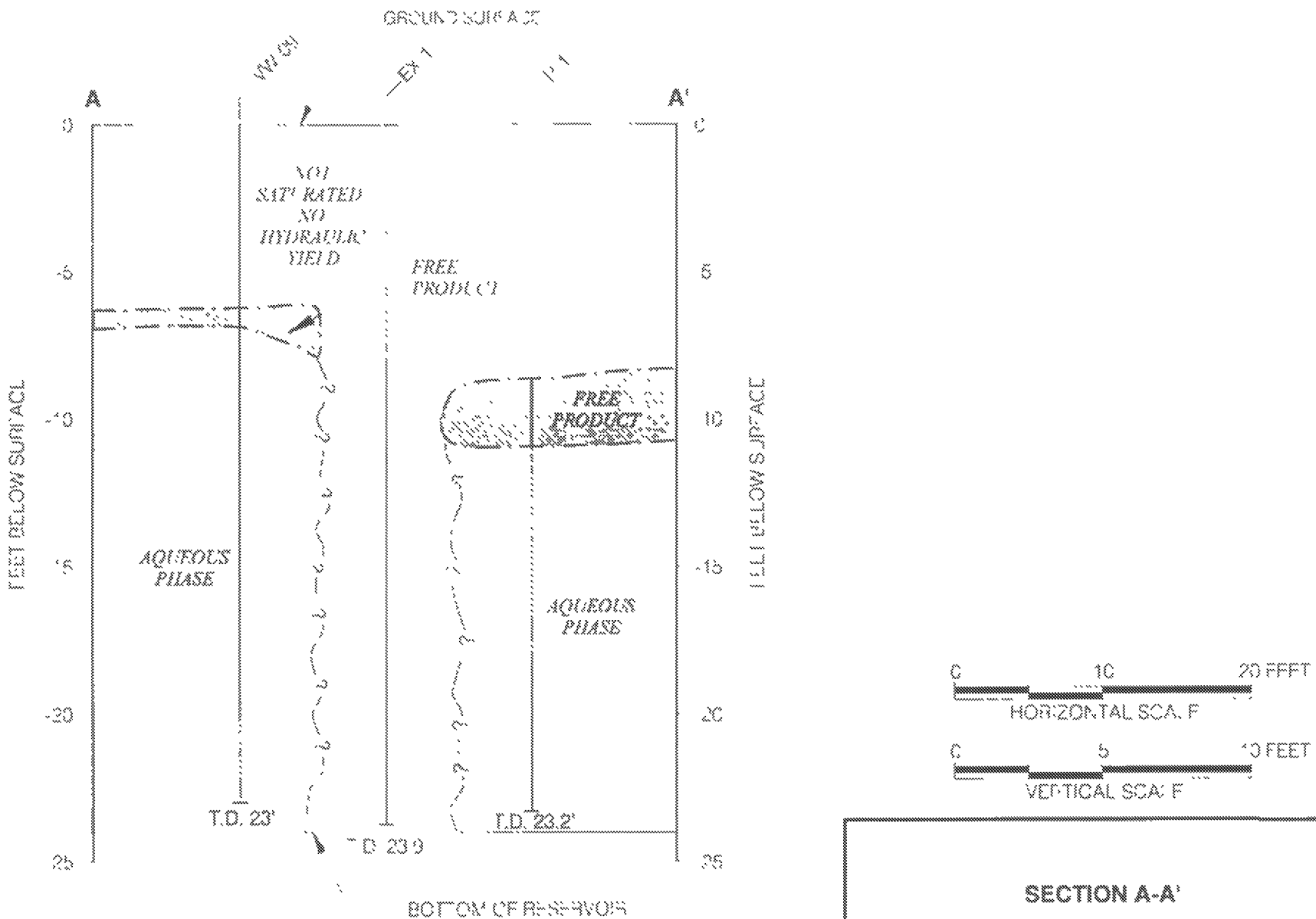
PRELIMINARY

RESERVOIR WELL AND PROBE LIQUID LEVELS

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 3.3



NOTES (1) THE LIQUIDS LEVELS SHOWN WERE MEASURED DECEMBER 19, 1997
(2) SEE FIGURE 3.2 FOR SECTION LOCATION.

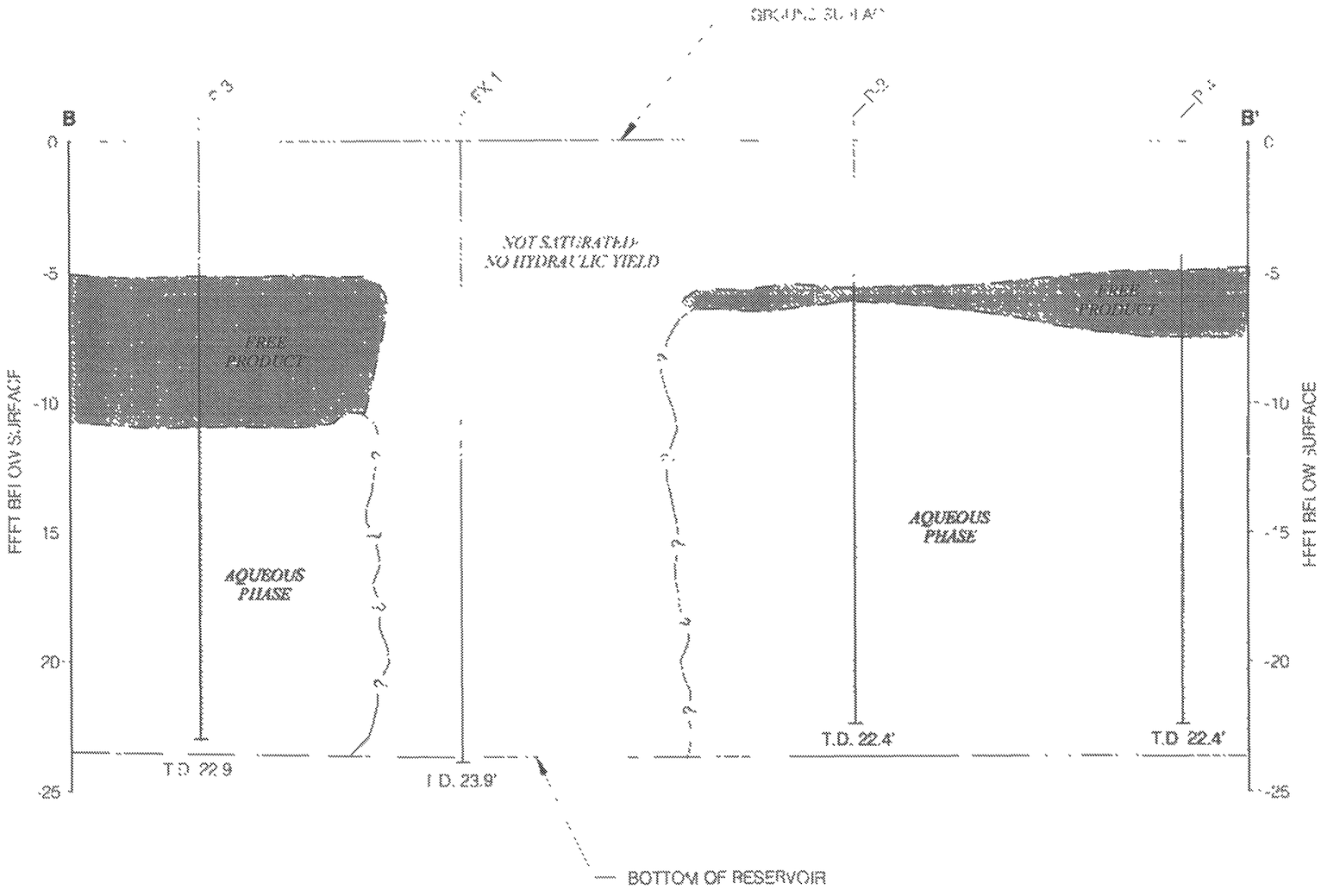
PRELIMINARY

SECTION A-A'

WASTE DISPOSAL, INC
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 3.4



0 10 20 FEET
HORIZONTAL SCALE

0 5 10 FEET
VERTICAL SCALE

NOTES: (1) THE LIQUID LEVELS SHOWN WERE MEASURED DECEMBER 19, 1997.
(2) SEE FIGURE 3.2 FOR SECTION LOCATION

PRELIMINARY

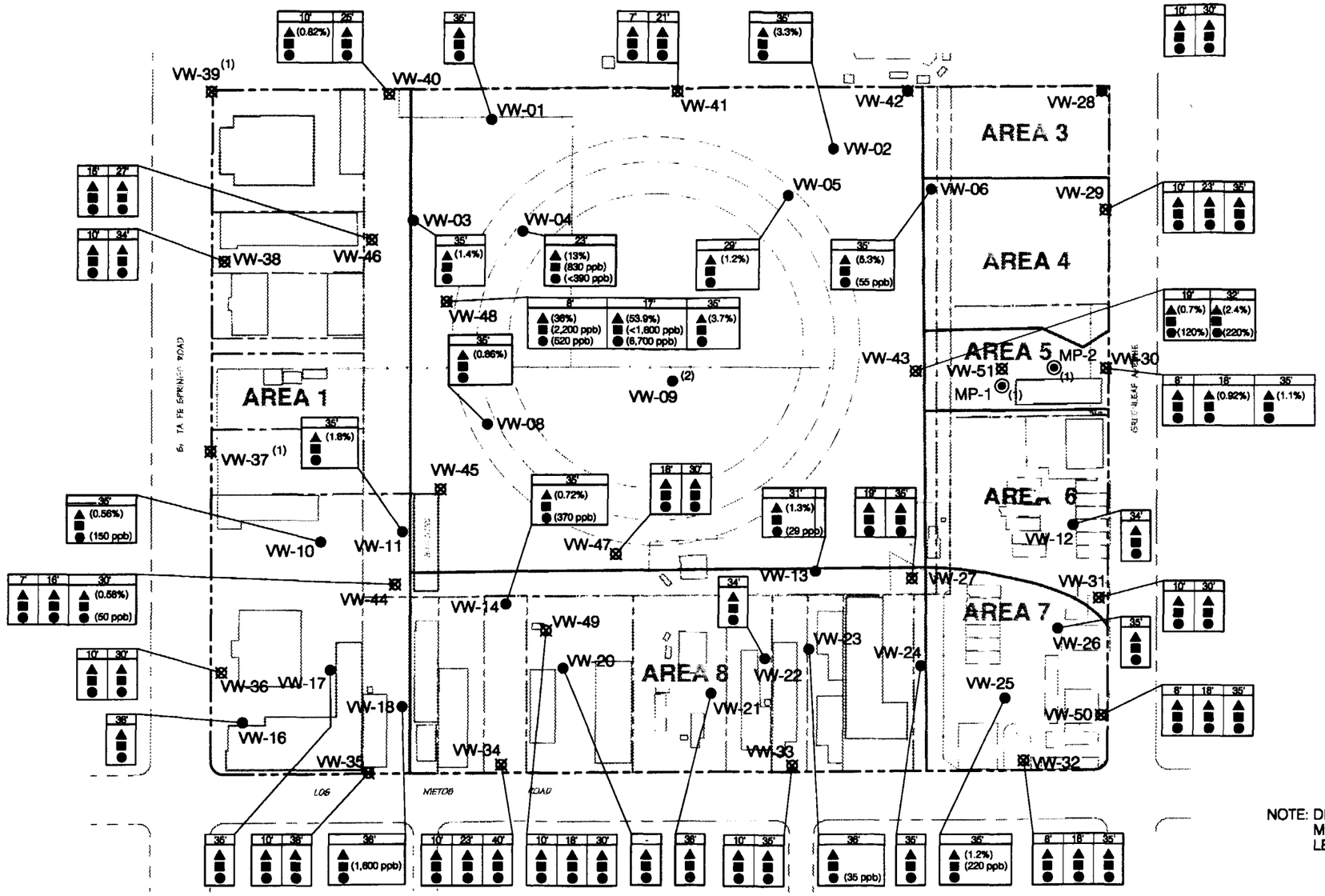
SECTION B-B'

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 3.5

94-258PSCR-07 REV. 3/23/98



NOTE: DIFFERENTIATING CRITERIA IS BASED ON IWMB METHANE STANDARD AND EPA INTERIM ACTION LEVELS FOR BENZENE AND VINYL CHLORIDE.

LEGEND

- SITE BOUNDARY
- AREA BOUNDARY
- RI/FS VAPOR WELLS
- RD INVESTIGATION ACTIVITIES VAPOR WELLS
- VAPOR WELL TO BE INSTALLED AT A LATER DATE

▲ METHANE	<0.5%	>0.5% TO 5%	>5%
■ BENZENE	<200 ppb	>200 ppb TO 10,000 ppb	>10,000 ppb
● VINYL CHLORIDE	<25 ppb	>25 ppb TO 5,000 ppb	>5,000 ppb

(1) MONITORING RESULTS PENDING
(2) NOT SAMPLED DUE TO HIGH LIQUID LEVELS

0 200 400 FEET
SCALE

PRELIMINARY

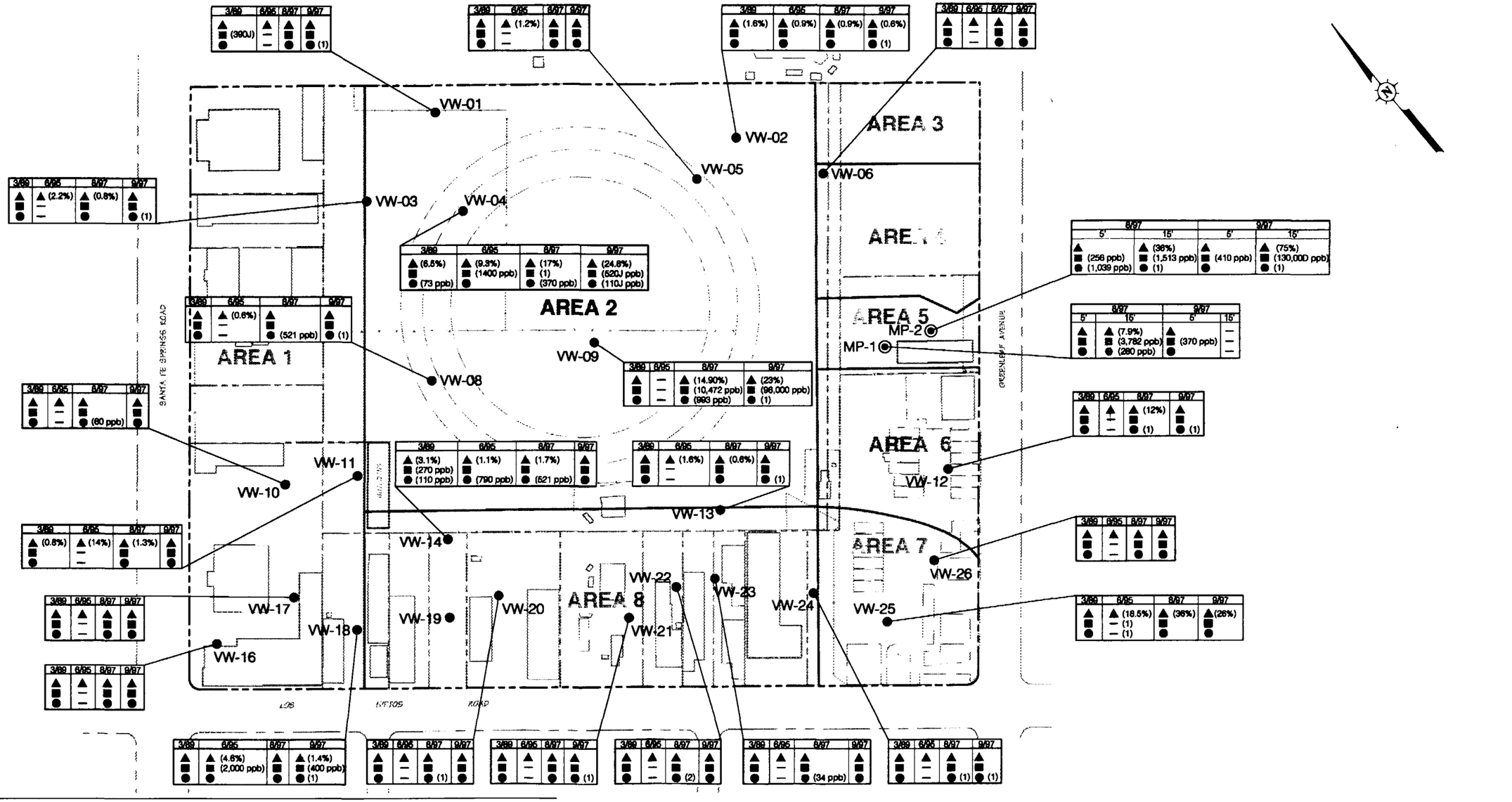
FEBRUARY 1998
VAPOR WELL MONITORING RESULTS

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 3.6

94-256PSCR-01 REV. 3/23/98



LEGEND

SITE BOUNDARY	▲ METHANE	<0.5%	>0.5% to 5%	>5%
AREA BOUNDARY	■ BENZENE	<200 ppb	>200 ppb 10,000 ppb	>10,000 ppb
● RI/FS VAPOR WELLS	● VINYL CHLORIDE	<25 ppb	>25 ppb 5,000 ppb	>5,000 ppb
◉ MONITORING POINTS INSTALLED BY OTHERS				
– NOT TESTED				
(1) ELEVATED DETECTION LIMIT				
(2) CHECK				

NOTE:
1. DIFFERENTIATING CRITERIA IS BASED ON IWMB METHANE STANDARD AND EPA INTERIM ACTIVE LEVELS FOR BENZENE AND VINYL CHLORIDE.

0 200 400 FEET
SCALE

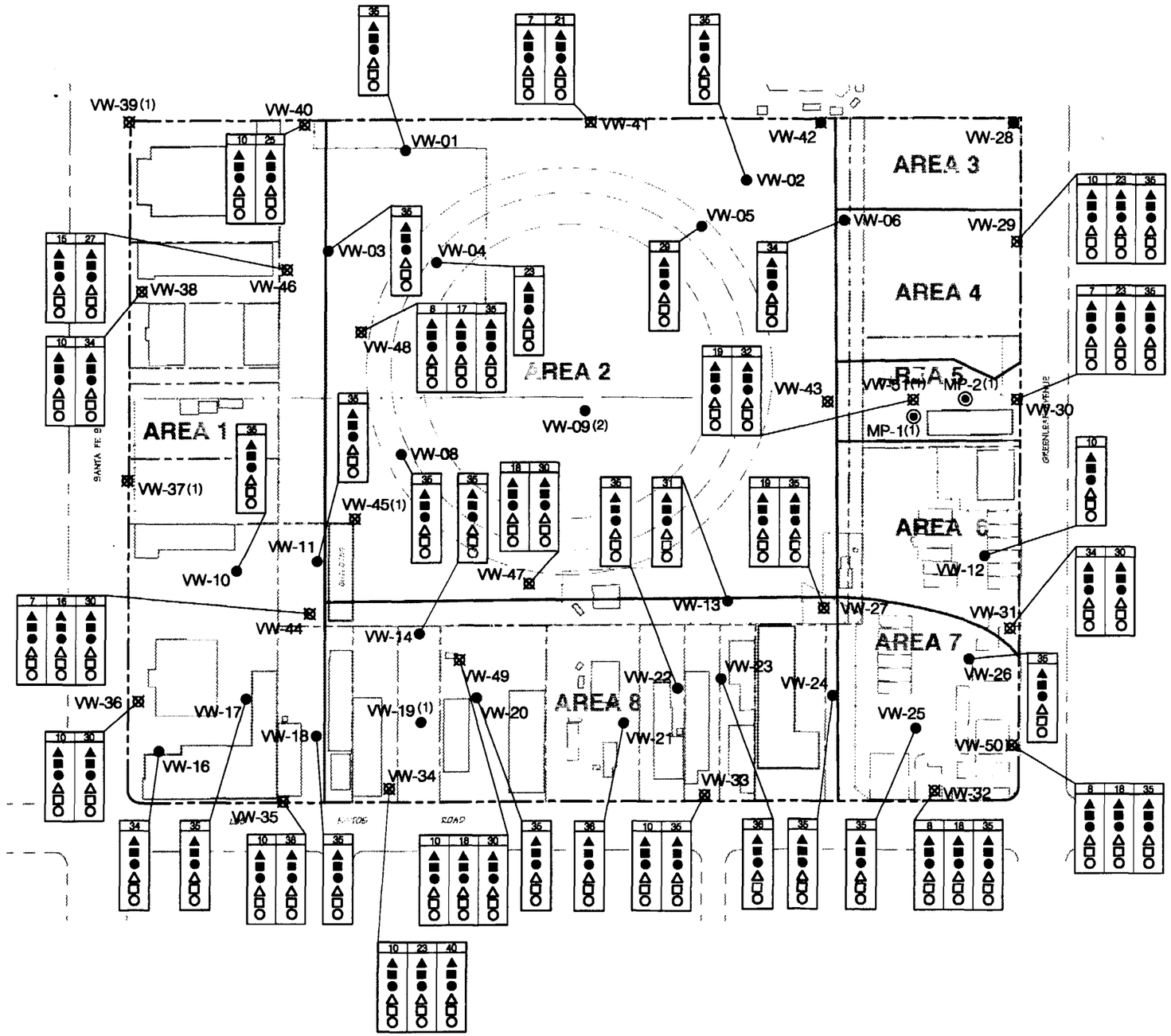
PRELIMINARY

SUMMARY OF HISTORICAL VAPOR WELL MONITORING RESULTS

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC | **FIGURE 3.7**

94-256PSCR-06 REV. 3/23/98



LEGEND

- SITE BOUNDARY
- AREA BOUNDARY
- RI/FS VAPOR WELLS
- MONITORING POINT INSTALLED BY OTHERS
- RI INVESTIGATION ACTIVITIES VAPOR WELLS
- VAPOR WELL TO BE INSTALLED AT A LATER DATE
- 10 — TOTAL DEPTH (FEET) OF MONITORING PROBE
- ▲ TETRACHLOROETHYLENE (PCE)
- ■ TRICHLOROETHYLENE (TCE)
- ● trans-1,2 DICHLOROETHYLENE (t-1,2 DCE)
- △ CIS-1,2 DICHLOROETHYLENE (C-1,2 DCE
- □ 1,1 DICHLOROETHYLENE (1,1 DCE)
- ○ 1,2 DICHLOROETHANE (1,2 DCA)

	(10-6 RISK)(1) GREEN (ppb)	(10-5 to 10-6 risk) YELLOW (ppb)	(>10-5 risk) RED (ppb)
▲	<510	>510 TO <5,100	>5,100
■	<210	>210 TO <2,100	>2,100
●	<18,250	>18,250 TO <182,500	>182,500
△	<9,250	>9,250 TO <92,500	>92,500
□	<10	>10 TO <100	>100
○	<20	>20 TO <200	>200

(1) MONITORING RESULTS PENDING.
(2) NOT SAMPLED DUE TO HIGH LIQUID LEVELS.

NOTE:

1. RISK LEVELS WERE CALCULATED USING PRG'S FOR AMBIENT AIR (USEPA, 1996) USING A FACTOR OF 100 FOR DIFFUSION FROM THE WELL TO INDOOR AIR AS PREVIOUSLY CALCULATED BY EPA FOR THE INTERIM ACTION LEVELS FOR BENZENE AND VINYL CHLORIDE.

0 200 400 FEET
SCALE

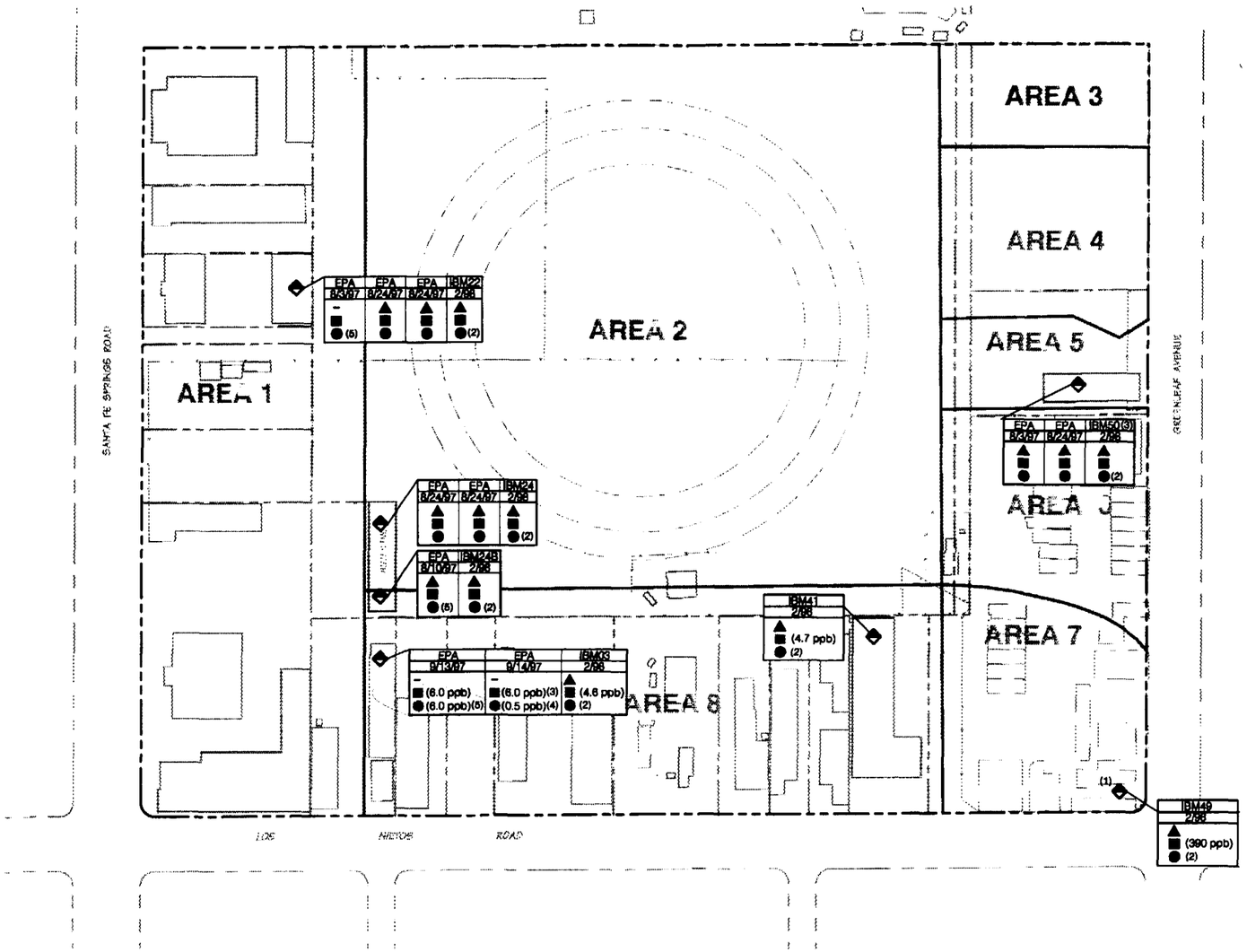
PRELIMINARY

FEBRUARY 1998 VAPOR WELL MONITORING RESULTS NO SITE SPECIFIC CRITERIA VOC'S

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC | **FIGURE 3.8**

94-256PSCR-10 REV. 3/23/98



LEGEND

▲ METHANE	<0.01%	.01 TO 1.25%	>1.25%
■ BENZENE	<2 ppb	2 TO 100 ppb	>100 ppb
● VINYL CHLORIDE	<0.25 ppb	0.25 TO 50 ppb	>50 ppb

- SITE BOUNDARY
- AREA BOUNDARY
- IBM03 SAMPLE IDENTIFIER
- IN-BUSINESS AIR MONITORING LOCATION
- (1) BACKGROUND SAMPLE
- (2) REPORTING LIMIT 2 ppb
- (3) ESTIMATED VALUE
- (4) ESTIMATED VALUE - LOW BIAS FROM SURROGATE
- (5) EPA QUALIFIED AS NON-DETECT
- - NOT ANALYZED

NOTES:
1. SELECTED LONG-TERM IN-BUSINESS AIR MONITORING LOCATIONS SHOWN ONLY.
2. DIFFERENTIATING CRITERIA IS BASED ON IWMB METHANE STANDARD AND EPA INTERIM ACTION LEVELS FOR BENZENE AND VINYL CHLORIDE.

0 200 400 FEET
SCALE

PRELIMINARY

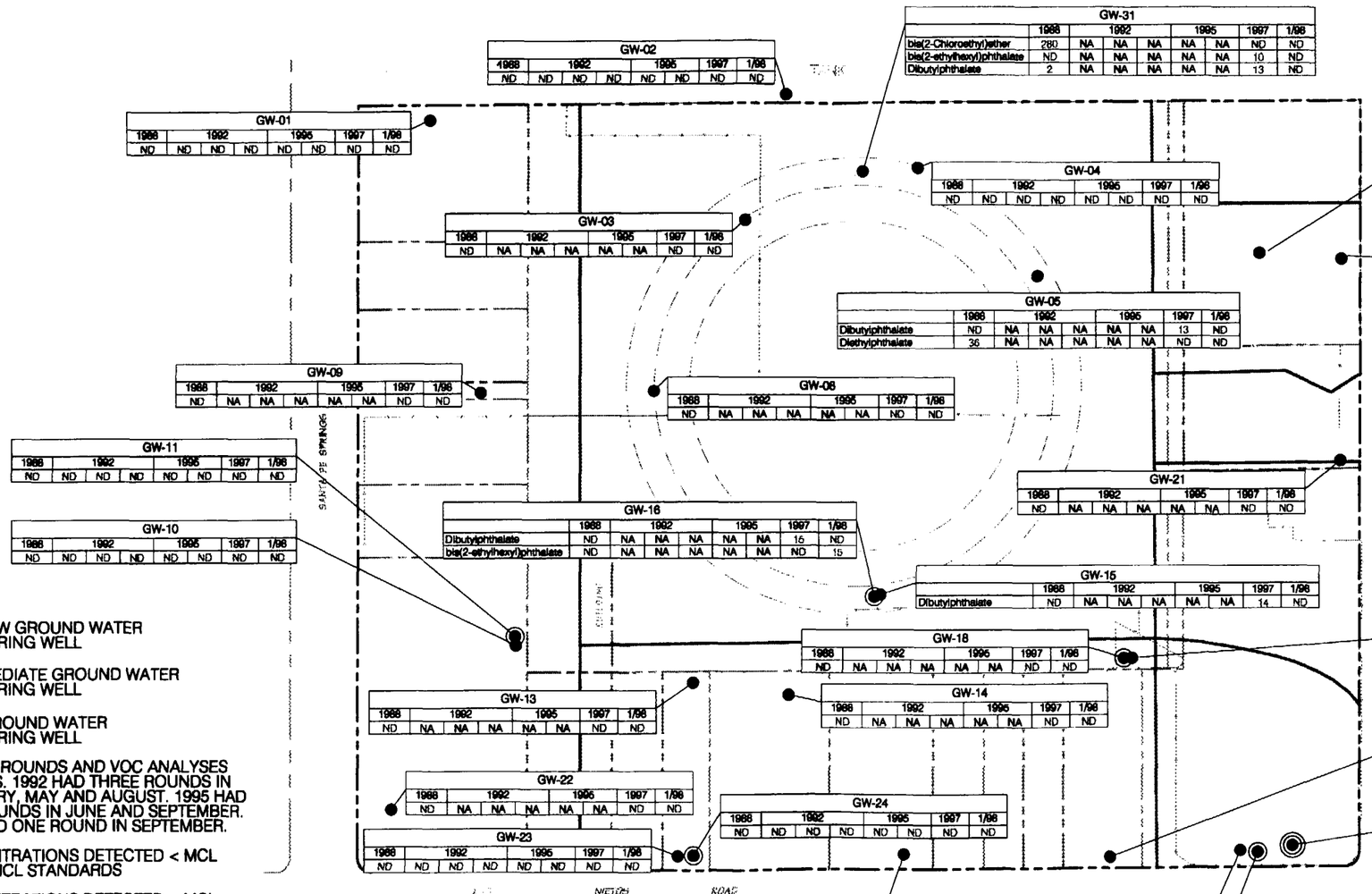
IN-BUSINESS AIR MONITORING LOCATIONS AND ANALYSES RESULTS

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 3.9

94-256P\SCR-03 REV. 3/23/96



LEGEND

- ● GW-01 — SHALLOW GROUND WATER MONITORING WELL
- ◉ GW-16 — INTERMEDIATE GROUND WATER MONITORING WELL
- ◉ GW-30 — DEEP GROUND WATER MONITORING WELL

11/88 1992 ND 2J/ND/ND — SAMPLE ROUNDS AND VOC ANALYSES RESULTS. 1992 HAD THREE ROUNDS IN FEBRUARY, MAY AND AUGUST. 1995 HAD TWO ROUNDS IN JUNE AND SEPTEMBER. 1997 HAD ONE ROUND IN SEPTEMBER.

15 — CONCENTRATIONS DETECTED < MCL OR NO MCL STANDARDS

15 — CONCENTRATIONS DETECTED ≥ MCL

ND = NOT DETECTED

NA = NOT ANALYZED

NOTES

1. ACCORDING TO THE 1992 FINAL GROUND WATER CHARACTERIZATION REPORT (EBASCO, 1989) ALL THREE PHTHALATES ARE COMMON LAB CONTAMINANTS.
2. ACCORDING TO THE 1992 GROUND WATER MONITORING REPORT (EPA, 1993) SEVERAL PHTHALATES, INCLUDING Di-n-butylphthalate, bis(2-Ethylhexyl)phthalate, AND Butylbenzene-phthalate WERE FOUND AT LOW LEVELS IN THE BLANKS AND SAMPLES. THE REPORT ALSO STATES THAT THESE PHTHALATES ARE COMMON LABORATORY CONTAMINANTS AND ARE PROBABLY ARTIFACTS.

0 200 400 FEET
SCALE

REFERENCE: BASED ON FIGURE 2.3, FINAL REMEDIAL INVESTIGATION REPORT, EBASCO, 1989d AND FIGURE 2.7, EPA 1992 GROUND WATER MONITORING REPORT.

PRELIMINARY

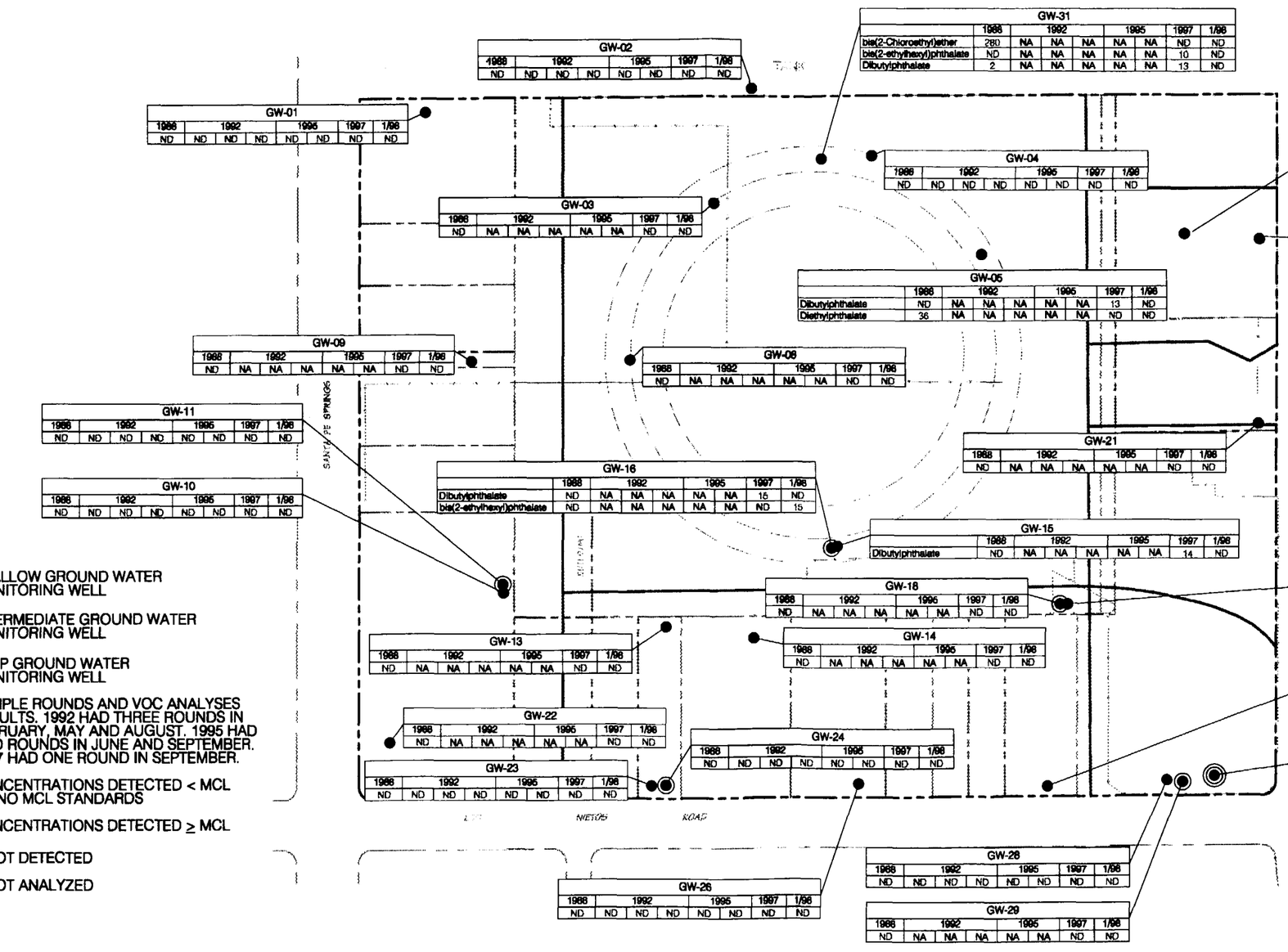
EXISTING AND PLANNED GROUND WATER MONITORING WELL LOCATIONS AND SVOC ANALYSES RESULTS

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 3.10

94-256PSCR-03 REV. 3/23/96



GW-31

	1988	1992			1995		1997	1/98
bis(2-Chloroethyl)ether	280	NA	NA	NA	NA	NA	ND	ND
bis(2-ethylhexyl)phthalate	ND	NA	NA	NA	NA	NA	10	ND
Dibutylphthalate	2	NA	NA	NA	NA	NA	13	ND

GW-02

1988	1992			1995		1997	1/98
ND	ND	ND	ND	ND	ND	ND	ND

GW-01

1988	1992			1995		1997	1/98
ND	ND	ND	ND	ND	ND	ND	ND

GW-04

1988	1992			1995		1997	1/98
ND	ND	ND	ND	ND	ND	ND	ND

GW-06

	1988	1992			1995		1997	1/98
bis(2-Chloroethyl)ether	280	NA	NA	NA	NA	NA	ND	ND

GW-03

1988	1992			1995		1997	1/98
ND	NA	NA	NA	NA	NA	ND	ND

GW-07

	1988	1992			1995		1997	1/98
bis(2-Chloroethyl)ether	590	ND	ND	ND	ND	ND	ND	ND
Di-n-octylphthalate	9	ND	ND	ND	ND	ND	ND	ND
Dibutylphthalate	2	ND	ND	ND	ND	ND	ND	ND

GW-05

	1988	1992			1995		1997	1/98
Dibutylphthalate	ND	NA	NA	NA	NA	NA	13	ND
Diethylphthalate	36	NA	NA	NA	NA	NA	ND	ND

GW-09

1988	1992			1995		1997	1/98
ND	NA	NA	NA	NA	NA	ND	ND

GW-08

1988	1992			1995		1997	1/98
ND	NA	NA	NA	NA	NA	ND	ND

GW-11

1988	1992			1995		1997	1/98
ND	ND	ND	ND	ND	ND	ND	ND

GW-21

1988	1992			1995		1997	1/98
ND	NA	NA	NA	NA	NA	ND	ND

GW-10

1988	1992			1995		1997	1/98
ND	ND	ND	ND	ND	ND	ND	ND

GW-16

	1988	1992			1995		1997	1/98
Dibutylphthalate	ND	NA	NA	NA	NA	NA	15	ND
bis(2-ethylhexyl)phthalate	ND	NA	NA	NA	NA	NA	ND	15

GW-15

	1988	1992			1995		1997	1/98
Dibutylphthalate	ND	NA	NA	NA	NA	NA	14	ND

GW-18

1988	1992			1995		1997	1/98
ND	NA	NA	NA	NA	NA	ND	ND

GW-19

	1988	1992			1995		1997	1/98
bis(2-Chloroethyl)ether	690	NA	NA	NA	NA	NA	ND	ND

GW-13

1988	1992			1995		1997	1/98
ND	NA	NA	NA	NA	NA	ND	ND

GW-14

1988	1992			1995		1997	1/98
ND	NA	NA	NA	NA	NA	ND	ND

GW-27

1988	1992			1995		1997	1/98
ND	NA	NA	NA	NA	NA	ND	ND

GW-22

1988	1992			1995		1997	1/98
ND	NA	NA	NA	NA	NA	ND	ND

GW-24

1988	1992			1995		1997	1/98
ND	ND	ND	ND	ND	ND	ND	ND

GW-30

1988	1992			1995		1997	1/98
ND	ND	ND	ND	ND	ND	ND	ND

GW-23

1988	1992			1995		1997	1/98
ND	ND	ND	ND	ND	ND	ND	ND

GW-26

1988	1992			1995		1997	1/98
ND	ND	ND	ND	ND	ND	ND	ND

GW-28

1988	1992			1995		1997	1/98
ND	ND	ND	ND	ND	ND	ND	ND

GW-29

1988	1992			1995		1997	1/98
ND	NA	NA	NA	NA	NA	ND	ND

NOTES

1. ACCORDING TO THE 1992 FINAL GROUND WATER CHARACTERIZATION REPORT (EBASCO, 1989) ALL THREE PHTHALATES ARE COMMON LAB CONTAMINANTS.
2. ACCORDING TO THE 1992 GROUND WATER MONITORING REPORT (EPA, 1993) SEVERAL PHTHALATES, INCLUDING Di-n-butylphthalate, bis(2-Ethylhexyl)phthalate, AND Butylbenzene-phthalate WERE FOUND AT LOW LEVELS IN THE BLANKS AND SAMPLES. THE REPORT ALSO STATES THAT THESE PHTHALATES ARE COMMON LABORATORY CONTAMINANTS AND ARE PROBABLY ARTIFACTS.

LEGEND

- ● GW-01 — SHALLOW GROUND WATER MONITORING WELL
- ◉ GW-16 — INTERMEDIATE GROUND WATER MONITORING WELL
- ◉ GW-30 — DEEP GROUND WATER MONITORING WELL

11/88 1992 ND 2J/ND/ND — SAMPLE ROUNDS AND VOC ANALYSES RESULTS. 1992 HAD THREE ROUNDS IN FEBRUARY, MAY AND AUGUST. 1995 HAD TWO ROUNDS IN JUNE AND SEPTEMBER. 1997 HAD ONE ROUND IN SEPTEMBER.

15 — CONCENTRATIONS DETECTED < MCL OR NO MCL STANDARDS

15 — CONCENTRATIONS DETECTED ≥ MCL

ND = NOT DETECTED

NA = NOT ANALYZED

0 200 400 FEET

SCALE

REFERENCE: BASED ON FIGURE 2.3, FINAL REMEDIAL INVESTIGATION REPORT, EBASCO, 1989d AND FIGURE 2.7, EPA 1992 GROUND WATER MONITORING REPORT.

PRELIMINARY

EXISTING AND PLANNED GROUND WATER MONITORING WELL LOCATIONS AND SVOC ANALYSES RESULTS

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 3.10

94-256PSCR-04.REV 3/23/98

GW-01	1988	1992			1995		1997	1/98
Aluminum	48400	ND	ND	ND	ND	ND	24.0	ND
Arsenic	29	ND	ND	ND	ND	57	0.018	ND
Chromium	91.3	ND	7.4	4.6	ND	ND	0.042	ND
Selenium	80.1	33.2	46.4	67.7	12	7.1	0.072	0.019

GW-02	1988	1992			1995		1997	1/98
Aluminum	3570	ND	ND	ND	ND	ND	ND	ND
Selenium	20.4	14.1	50.5	37.2	9.8	28	0.025	0.018

GW-31	1988	1992			1995		1997	1/98
Aluminum	1600	NA	NA	NA	NA	NA	0.17	ND
Selenium	24	NA	NA	NA	NA	NA	0.026	0.014

GW-04	1988	1992			1995		1997	1/98
Arsenic	NA	ND	ND	ND	ND	56	0.0026	ND
Lead	NA	ND	2.2	ND	ND	63	ND	0.0058
Selenium	47.5	16.1	21.9	17	37	5.2	0.029	0.015

GW-06	1988	1992			1995		1997	1/98
Aluminum	3090	NA	NA	NA	NA	NA	1.9	ND
Selenium	32	NA	NA	NA	NA	NA	0.016	0.018

GW-07	1988	1992			1995		1997	1/98
Aluminum	1600	ND	ND	ND	ND	ND	0.039	ND
Selenium	26	19.1	21.4	30.9	24	30	0.027	0.023

GW-03	1988	1992			1995		1997	1/98
Aluminum	2640	NA	NA	NA	NA	NA	9.4	ND
Selenium	20	NA	NA	NA	NA	NA	0.013	0.019

GW-05	1988	1992			1995		1997	1/98
Aluminum	1720	NA	NA	NA	NA	NA	ND	ND
Selenium	30.9	NA	NA	NA	NA	NA	0.014	0.0074

GW-09	1988	1992			1995		1997	1/98
Aluminum	15200	NA	NA	NA	NA	NA	NA	ND
Selenium	62.8	NA	NA	NA	NA	NA	NA	0.019

GW-08	1988	1992		1995		1997	1/98
Aluminum	1090	NA	NA	NA	NA	0.0068	ND

GW-11	1988	1992			1995		1997	1/98
Aluminum	2350	ND	ND	ND	ND	ND	12.0	ND
Selenium	66.6	37.8	47.6	89.7	4.3	39	0.013	0.023

GW-16	1988	1992			1995		1997	1/98
Selenium	47	NA	NA	NA	NA	NA	0.037	0.023

GW-21	1988	1992			1995		1997	1/98
Aluminum	2900	NA	NA	NA	NA	NA	ND	ND
Selenium	42.8	NA	NA	NA	NA	NA	0.012	0.014

GW-10	1988	1992			1995		1997	1/98
Aluminum	6040	ND	ND	ND	ND	ND	0.018	ND
Selenium	24	11.9	46	52.9	ND	ND	0.0046	0.0064

GW-14	1988	1992			1995		1997	1/98
Aluminum	1250	NA	NA	NA	NA	NA	0.072	ND
Selenium	17.9	NA	NA	NA	NA	NA	ND	ND

GW-15	1988	1992			1995		1997	1/98
Aluminum	10900	NA	NA	NA	NA	NA	0.44	ND
Selenium	27	NA	NA	NA	NA	NA	0.031	0.024

GW-19	1988	1992			1995		1997	1/98
Aluminum	2890	NA	NA	NA	NA	NA	ND	ND
Selenium	33	NA	NA	NA	NA	NA	0.032	0.017

GW-13	1988	1992			1995		1997	1/98
Aluminum	1380	NA	NA	NA	NA	NA	ND	ND

GW-18	1988	1992			1995		1997	1/98
Selenium	37.5	NA	NA	NA	NA	NA	0.025	0.028

GW-27	1988	1992			1995		1997	1/98
Aluminum	9850	NA	NA	NA	NA	NA	0.01	ND
Chromium	53	NA	NA	NA	NA	NA	0.027	ND
Selenium	29	NA	NA	NA	NA	NA	0.012	0.022

GW-22	1988	1992			1995		1997	1/98
Aluminum	9930	NA	NA	NA	NA	NA	0.023	ND
Mercury	2	NA	NA	NA	NA	NA	0.0023	0.0017
Selenium	13	NA	NA	NA	NA	NA	ND	ND

GW-30	1988	1992			1995		1997	1/98
Aluminum	11500	ND	ND	ND	ND	ND	ND	ND
Selenium	29.9	21.8	30.3	31.4	19		0.023	0.021

GW-23	1988	1992			1995		1997	1/98
Aluminum	14600	ND	ND	ND	ND	ND	0.036	ND
Selenium	44.7	27	21.6	13	27	27	0.012	0.016

GW-24	1988	1992			1995		1997	1/98
Selenium	20.5	27.4	53.7	87.1	49	60	0.024	0.026

GW-28	1988	1992			1995		1997	1/98
Aluminum	22600	ND	ND	ND	ND	ND	ND	ND
Selenium	44.2	20.6	28	42.5	18	5.9	0.022	0.026

GW-26	1988	1992			1995		1997	1/98
Aluminum	8690	ND	ND	ND	ND	ND	0.045	ND
Arsenic	8	ND	ND	ND	ND	51	0.043	ND
Selenium	19	26.5	11.9	52.8	28	7.6	0.019	0.021

GW-29	1988	1992			1995		1997	1/98
Aluminum	1030	NA	NA	NA	NA	NA	2.5	ND
Selenium	42.5	NA	NA	NA	NA	NA	0.022	0.020

AREA 1
AREA 2
AREA 3
AREA 4
AREA 5
AREA 6
AREA 7
AREA 8

TANK

SANTA FE SPRINGS ROAD
GREENLEAF AVENUE
ROMAINE
FREEMAN

0 200 400 FEET
SCALE

LEGEND

- ● GW-01 SHALLOW GROUND WATER MONITORING WELL
- ◉ GW-16 INTERMEDIATE GROUND WATER MONITORING WELL
- ◉ GW-30 DEEP GROUND WATER MONITORING WELL

11/88 1992 1995 ND 2J/ND/ND ND/ND SAMPLE ROUNDS AND METALS ANALYSES RESULTS. 1992 HAD THREE ROUNDS IN FEBRUARY, MAY AND AUGUST. 1995 HAD TWO ROUNDS IN JUNE AND SEPTEMBER. 1997 HAD ONE ROUND IN SEPTEMBER.

15 CONCENTRATIONS DETECTED < MCL OR NO MCL STANDARDS

15 CONCENTRATIONS DETECTED ≥ MCL

ND = NOT DETECTED

NA = NOT ANALYZED

NOTES

1. THE NOVEMBER 1988 MONITORING RESULTS ARE REPORTED AS TOTAL METALS. THE 1992 AND 1995 MONITORING RESULTS ARE REPORTED AS DISSOLVED METALS.

REFERENCE: BASED ON FIGURE 2.3, FINAL REMEDIAL INVESTIGATION REPORT, EBASCO, 1989d AND FIGURE 2.7, EPA 1992 GROUND WATER MONITORING REPORT.

PRELIMINARY

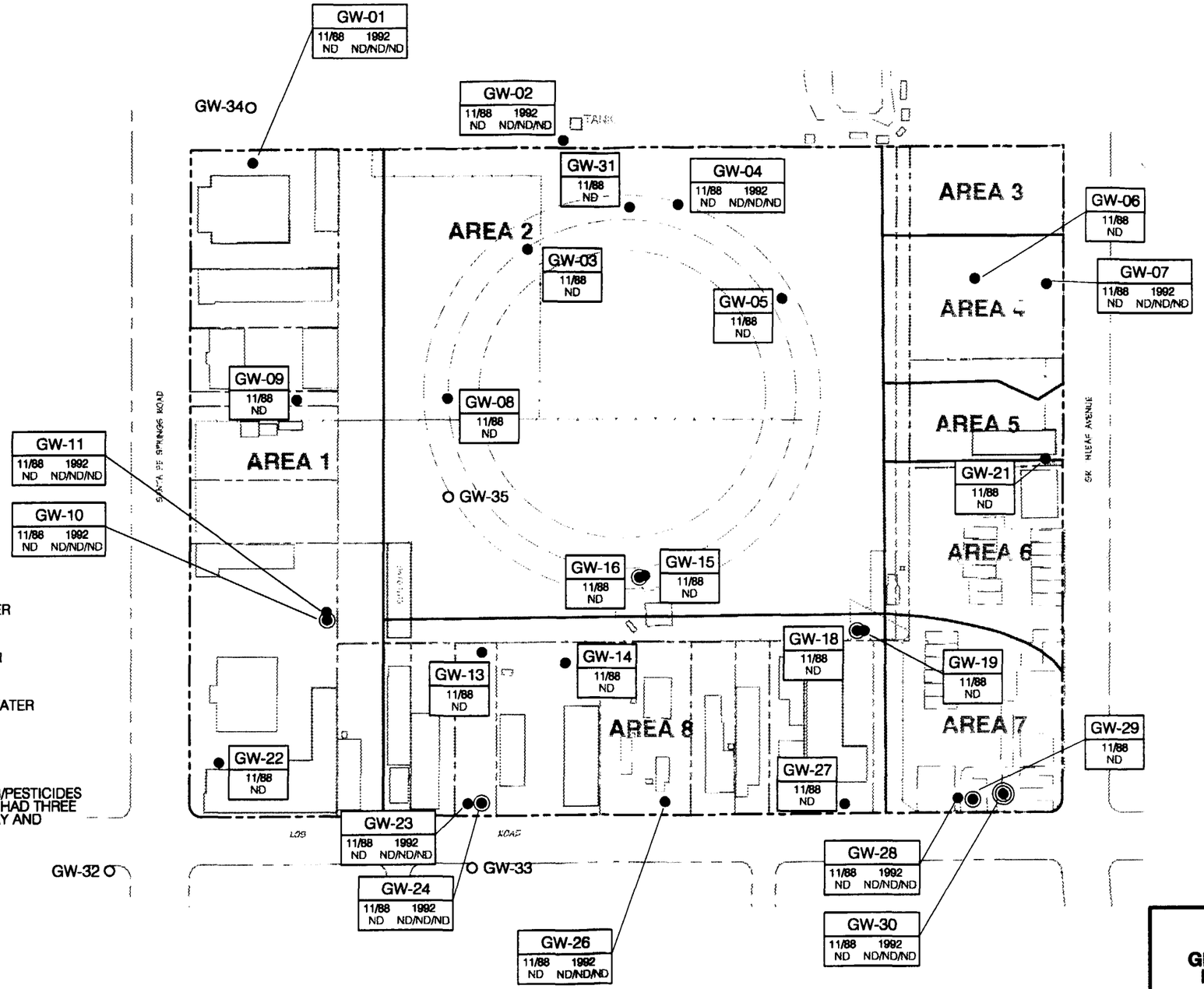
EXISTING GROUND WATER MONITORING WELL LOCATIONS AND METALS ANALYSES RESULTS

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 3.11

94-256PSCR-05 REV. 3/23/98



LEGEND

- GW-32 — PROPOSED GROUND WATER MONITORING WELL
- GW-01 — SHALLOW GROUND WATER MONITORING WELL
- GW-16 — INTERMEDIATE GROUND WATER MONITORING WELL
- GW-30 — DEEP GROUND WATER MONITORING WELL
- 11/88 1992 ND ND/ND/ND — SAMPLE ROUNDS AND PCB/PESTICIDES ANALYSES RESULTS. 1992 HAD THREE ROUNDS IN FEBRUARY, MAY AND AUGUST.
- ND = NOT DETECTED
- SITE BOUNDARY (APPROXIMATE)
- AREA BOUNDARY (APPROXIMATE)
- FENCE
- EXISTING BUILDING
- CANOPY

REFERENCE: BASED ON FIGURE 2.3, FINAL REMEDIAL INVESTIGATION REPORT, EBASCO, 1989d AND FIGURE 2.7, EPA 1992 GROUND WATER MONITORING REPORT.

PRELIMINARY

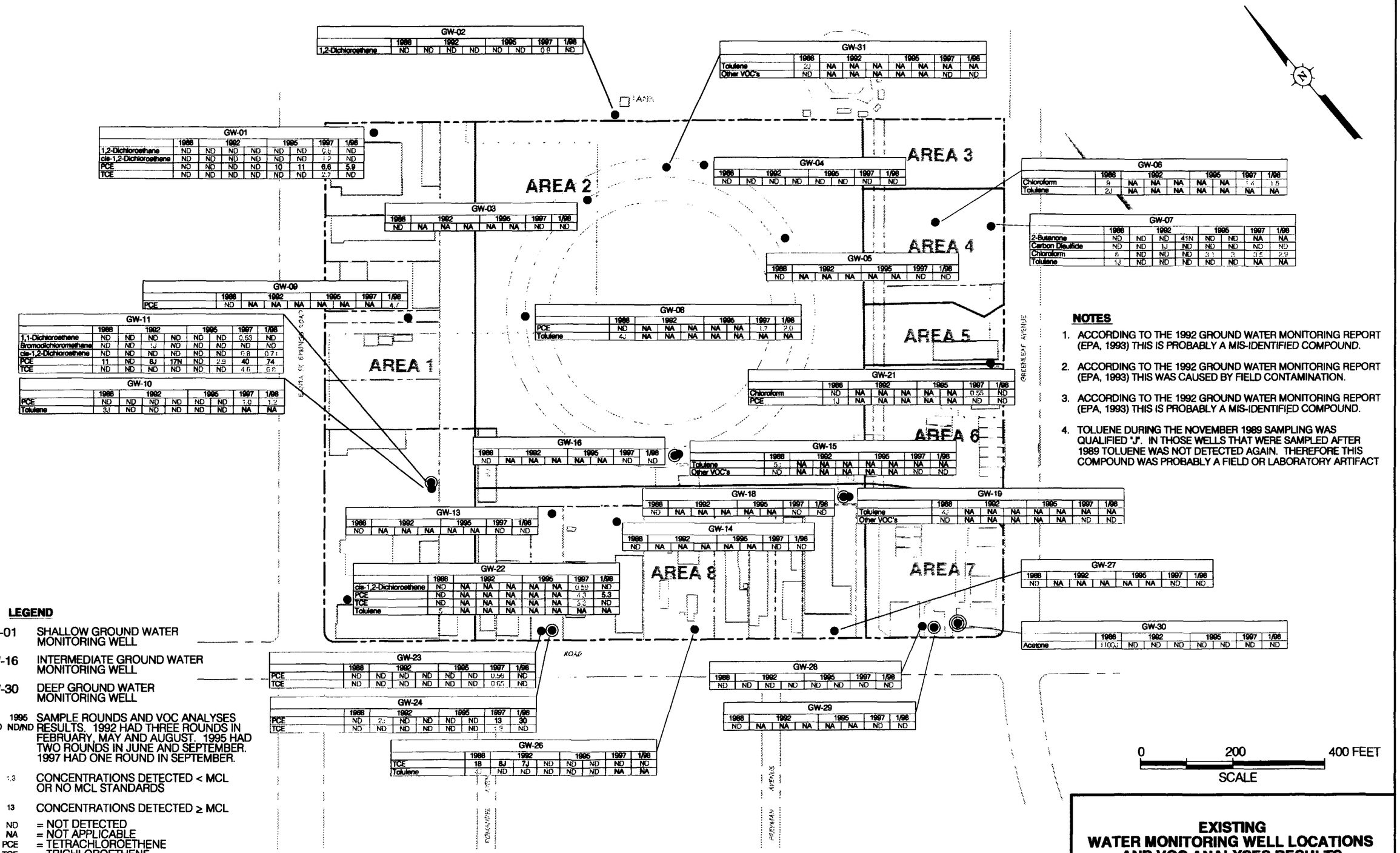
EXISTING AND PLANNED GROUND WATER MONITORING WELL LOCATIONS AND PCB/PESTICIDES ANALYSES RESULTS

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 3.12

94-256PSCR-02 REV. 3/23/98



LEGEND

- ● GW-01 — SHALLOW GROUND WATER MONITORING WELL
- ◉ GW-16 — INTERMEDIATE GROUND WATER MONITORING WELL
- ◉ GW-30 — DEEP GROUND WATER MONITORING WELL

1988 1992 1995 ND 2J/ND/ND ND/ND — SAMPLE ROUNDS AND VOC ANALYSES RESULTS. 1992 HAD THREE ROUNDS IN FEBRUARY, MAY AND AUGUST. 1995 HAD TWO ROUNDS IN JUNE AND SEPTEMBER. 1997 HAD ONE ROUND IN SEPTEMBER.

1.3 — CONCENTRATIONS DETECTED < MCL OR NO MCL STANDARDS

13 — CONCENTRATIONS DETECTED ≥ MCL

ND = NOT DETECTED
NA = NOT APPLICABLE
PCE = TETRACHLOROETHENE
TCE = TRICHLOROETHENE

SITE BOUNDARY (APPROXIMATE)

AREA BOUNDARY (APPROXIMATE)

NOTES

1. ACCORDING TO THE 1992 GROUND WATER MONITORING REPORT (EPA, 1993) THIS IS PROBABLY A MIS-IDENTIFIED COMPOUND.
2. ACCORDING TO THE 1992 GROUND WATER MONITORING REPORT (EPA, 1993) THIS WAS CAUSED BY FIELD CONTAMINATION.
3. ACCORDING TO THE 1992 GROUND WATER MONITORING REPORT (EPA, 1993) THIS IS PROBABLY A MIS-IDENTIFIED COMPOUND.
4. TOLUENE DURING THE NOVEMBER 1989 SAMPLING WAS QUALIFIED "J". IN THOSE WELLS THAT WERE SAMPLED AFTER 1989 TOLUENE WAS NOT DETECTED AGAIN. THEREFORE THIS COMPOUND WAS PROBABLY A FIELD OR LABORATORY ARTIFACT

REFERENCE: BASED ON FIGURE 2.3, FINAL REMEDIAL INVESTIGATION REPORT, EBASCO, 1989d AND FIGURE 2.7, EPA 1992 GROUND WATER MONITORING REPORT.

PRELIMINARY

EXISTING WATER MONITORING WELL LOCATIONS AND VOC ANALYSES RESULTS

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 3.13

FIGURE 5.1
INTEGRATED RD/RA SCHEDULE
WASTE DISPOSAL, INC. SUPERFUND SITE

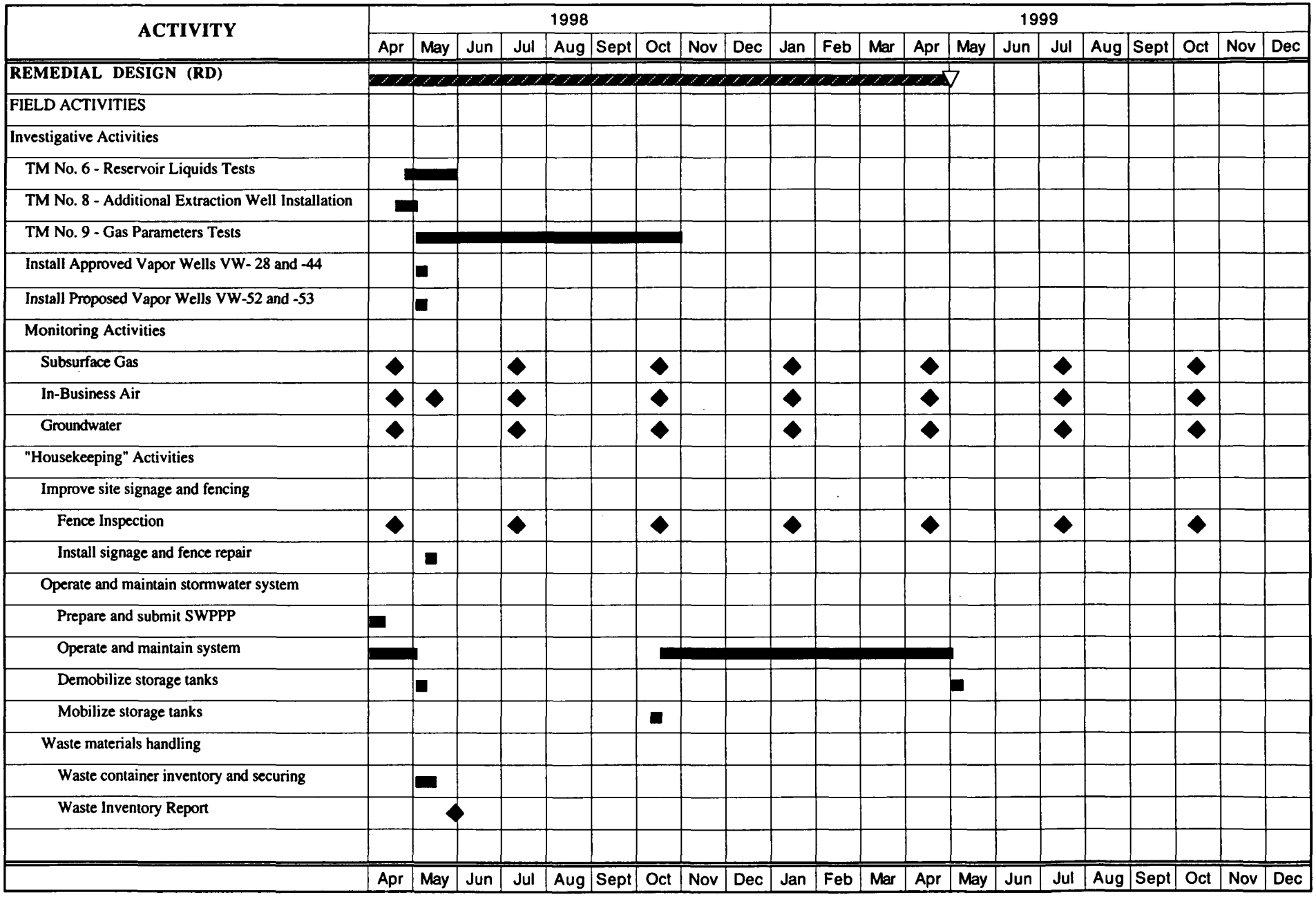
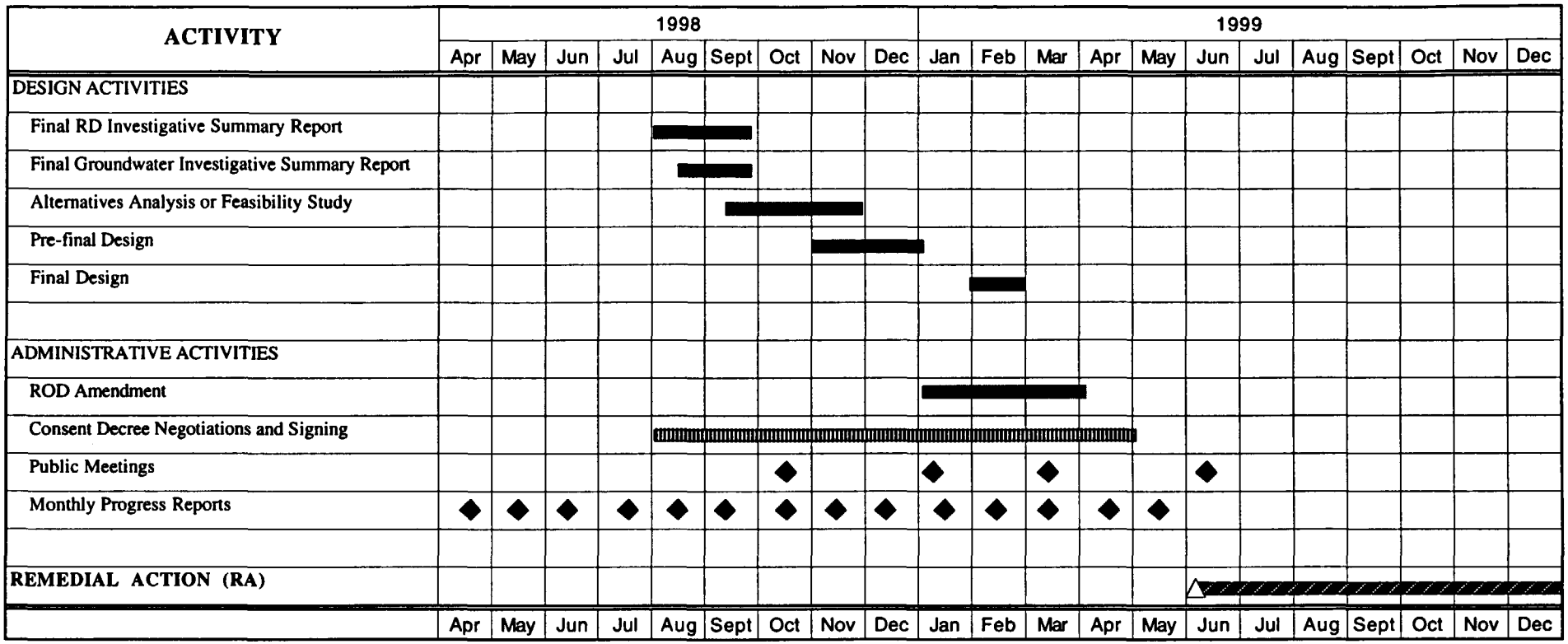


FIGURE 5.1
INTEGRATED RD/RA SCHEDULE
WASTE DISPOSAL, INC. SUPERFUND SITE



ecyclable and made from recycled paper.

APPENDIX A

ANALYTICAL LABORATORY REPORTS

NOTE: The Analytical Laboratory Reports contained in this Appendix are considered preliminary. They have not been through the required validation process, and therefore both the raw data and associated analyses and calculations are subject to revision in the final submittal.

ATTACHMENT A.1

SOILS

TRC

ANALYTICAL REPORT

LOG NO: G97-12-056

Received: 02 DEC 97

Mailed:

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-056-1	WDI-TS-127-3.4A	02 DEC 97
12-056-2	WDI-TS-127-8.11A	02 DEC 97
12-056-3	WDI-TS-127-19.8A	02 DEC 97
12-056-4	WDI-TS-128-3.6A	02 DEC 97
12-056-5	WDI-TS-128-13.8A	02 DEC 97

PARAMETER	12-056-1	12-056-2	12-056-3	12-056-4	12-056-5
Volatile Organics (8260A)					
Date Analyzed	12/15/97	12/15/97	12/15/97	12/15/97	12/15/97
Dilution Factor, Times	100	100	100	100	100
1,1,1-Trichloroethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
2-Chloroethylvinylether, mg/kg	<4	<4	<4	<4	<4
2-Hexanone, mg/kg	<5	<5	<5	<5	<5
Acetone, mg/kg	<10	<10	<10	<10	<10
Bromodichloromethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Bromomethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Bromoform, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Carbon Tetrachloride, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Carbon Disulfide, mg/kg	<1	<1	<1	<1	<1
Dibromochloromethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5

LOG NO: G97-12-056

Received: 02 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-056-1	WDI-TS-127-3.4A	02 DEC 97
12-056-2	WDI-TS-127-8.11A	02 DEC 97
12-056-3	WDI-TS-127-19.8A	02 DEC 97
12-056-4	WDI-TS-128-3.6A	02 DEC 97
12-056-5	WDI-TS-128-13.8A	02 DEC 97

PARAMETER	12-056-1	12-056-2	12-056-3	12-056-4	12-056-5
Methyl ethyl ketone, mg/kg	<3	<3	<3	<3	<3
Methyl isobutyl ketone, mg/kg	<3	<3	<3	<3	<3
Methylene chloride, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl acetate, mg/kg	<5	<5	<5	<5	<5
Vinyl chloride, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Other Volatile Organics (8260A)	---	---	---	---	---
Surrogates **					
4-Bromofluorobenzene Rep., mg/kg	4.71	5.17	4.86	5.40	5.51
4-Bromofluorobenzene Theo., mg/kg	5.00	5.00	5.00	5.00	5.00
Toluene-d8 Reported, mg/kg	4.94	5.71	5.11	5.84	6.08
Toluene-d8 Theo., mg/kg	5.00	5.00	5.00	5.00	5.00
Dibromofluoromethane Rep., mg/kg	4.60	5.15	5.06	5.40	5.71
Dibromofluoromethane Theo., mg/kg	5.00	5.00	5.00	5.00	5.00

LOG NO: G97-12-056

Received: 02 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-056-6	WDI-TS-128-19.8A	02 DEC 97
12-056-7	WDI-TS-129-3.8A	02 DEC 97
12-056-8	WDI-TS-129-9.8A	02 DEC 97
12-056-9	WDI-TS-129-17.8A	02 DEC 97

PARAMETER	12-056-6	12-056-7	12-056-8	12-056-9
Volatile Organics (8260A)				
Date Analyzed	12/15/97	12/16/97	12/15/97	12/15/97
Dilution Factor, Times	100	100	100	100
1,1,1-Trichloroethane, mg/kg	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane, mg/kg	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane, mg/kg	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane, mg/kg	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene, mg/kg	<0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane, mg/kg	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane, mg/kg	<0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane, mg/kg	<0.5	<0.5	<0.5	<0.5
2-Chloroethylvinylether, mg/kg	<4	<4	<4	<4
2-Hexanone, mg/kg	<5	<5	<5	<5
Acetone, mg/kg	<10	<10	<10	<10
Bromodichloromethane, mg/kg	<0.5	<0.5	<0.5	<0.5
Bromomethane, mg/kg	<0.5	<0.5	<0.5	<0.5
Benzene, mg/kg	<0.5	<0.5	1.1	<0.5
Bromoform, mg/kg	<0.5	<0.5	<0.5	<0.5
Carbon Tetrachloride, mg/kg	<0.5	<0.5	<0.5	<0.5
Chloroethane, mg/kg	<0.5	<0.5	<0.5	<0.5
Chloroform, mg/kg	<0.5	<0.5	<0.5	<0.5
Chloromethane, mg/kg	<0.5	<0.5	<0.5	<0.5
Carbon Disulfide, mg/kg	<1	<1	<1	<1
Dibromochloromethane, mg/kg	<0.5	<0.5	<0.5	<0.5

LOG NO: G97-12-056

Received: 02 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-056-6	WDI-TS-128-19.8A	02 DEC 97
12-056-7	WDI-TS-129-3.8A	02 DEC 97
12-056-8	WDI-TS-129-9.8A	02 DEC 97
12-056-9	WDI-TS-129-17.8A	02 DEC 97

PARAMETER	12-056-6	12-056-7	12-056-8	12-056-9
Methyl ethyl ketone, mg/kg	<3	<3	<3	<3
Methyl isobutyl ketone, mg/kg	<3	<3	<3	<3
Methylene chloride, mg/kg	<0.5	<0.5	<0.5	<0.5
Trichloroethene, mg/kg	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene, mg/kg	<0.5	<0.5	<0.5	<0.5
Vinyl acetate, mg/kg	<5	<5	<5	<5
Vinyl chloride, mg/kg	<0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene, mg/kg	<0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene, mg/kg	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene, mg/kg	<0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene, mg/kg	<0.5	<0.5	<0.5	<0.5
Other Volatile Organics (8260A)	---	---	---	---
Surrogates **				
4-Bromofluorobenzene Rep., mg/kg	5.21	5.38	4.48	5.52
4-Bromofluorobenzene Theo., mg/kg	5.00	5.00	5.00	5.00
Toluene-d8 Reported, mg/kg	5.43	5.83	5.26	5.74
Toluene-d8 Theo., mg/kg	5.00	5.00	5.00	5.00
Dibromofluoromethane Rep., mg/kg	5.42	3.63	1.54	5.14
Dibromofluoromethane Theo., mg/kg	5.00	5.00	5.00	5.00

LOG NO: G97-12-056

Received: 02 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
12-056-10	Trip Blank	02 DEC 97

PARAMETER	12-056-10
Volatile Organics (8260A)	
Date Analyzed	12/16/97
Dilution Factor, Times	1
1,1,1-Trichloroethane, ug/L	<0.5
1,1,2,2-Tetrachloroethane, ug/L	<0.5
1,1,2-Trichloroethane, ug/L	<0.5
1,1-Dichloroethane, ug/L	<0.5
1,1-Dichloroethene, ug/L	<0.5
1,2-Dibromoethane, ug/L	<0.5
1,2-Dichloroethane, ug/L	<0.5
1,2-Dichloropropane, ug/L	<0.5
2-Chloroethylvinylether, ug/L	<4
2-Hexanone, ug/L	<5
Acetone, ug/L	<10
Bromodichloromethane, ug/L	<0.5
Bromomethane, ug/L	<0.5
Benzene, ug/L	<0.5
Bromoform, ug/L	<0.5
Carbon Tetrachloride, ug/L	<0.5
Chloroethane, ug/L	<0.5
Chloroform, ug/L	<0.5
Chloromethane, ug/L	<1
Carbon Disulfide, ug/L	<2
Dibromochloromethane, ug/L	<0.5
Methyl ethyl ketone, ug/L	<10
Methyl isobutyl ketone, ug/L	<4
Methylene chloride, ug/L	<2

LOG NO: G97-12-056

Received: 02 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
12-056-10	Trip Blank	02 DEC 97

PARAMETER	12-056-10
Trichloroethene, ug/L	<0.5
Tetrachloroethene, ug/L	<0.5
Vinyl acetate, ug/L	<5
Vinyl chloride, ug/L	<0.5
cis-1,2-Dichloroethene, ug/L	<0.5
cis-1,3-Dichloropropene, ug/L	<0.5
trans-1,2-Dichloroethene, ug/L	<0.5
trans-1,3-Dichloropropene, ug/L	<0.5
Surrogates **	
4-Bromofluorobenzene Rep., ug/L	11.2
4-Bromofluorobenzene Theo., ug/L	10.0
Toluene-d8 Reported, ug/L	10.2
Toluene-d8 Theo., ug/L	10.0
Dibromofluoromethane Rep., ug/L	9.70
Dibromofluoromethane Theo., ug/L	10.0

LOG NO: G97-12-056

Received: 02 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-056-11	WDI-TS-127-3.4-4.8	02 DEC 97
12-056-12	WDI-TS-127-8.11-9.11	02 DEC 97
12-056-13	WDI-TS-127-18.4-19.8	02 DEC 97
12-056-14	WDI-TS-128-3.6-4.8	02 DEC 97
12-056-15	WDI-TS-128-12.0-13.0	02 DEC 97

PARAMETER	12-056-11	12-056-12	12-056-13	12-056-14	12-056-15
Digestion (3050A), Date	12/18/97	12/18/97	12/18/97	12/18/97	12/18/97
Furnace Digestion (3050), Date	12/18/97	12/18/97	12/18/97	12/18/97	12/18/97
Pesticides					
PCBs					
Arsenic (7060), mg/kg	5.0	13	4.4	1.9	1.6
Antimony (6010), mg/kg	<10	<10	<10	<10	<10
Barium (6010), mg/kg	300	160	85	1700	250
Beryllium (6010), mg/kg	0.52	0.39	0.60	0.43	0.41
Cadmium (6010), mg/kg	1.1	1.1	<1	1.7	<1
Chromium (6010), mg/kg	26	17	21	27	18
Cobalt (6010), mg/kg	8.0	7.2	15	12	8.1
Copper (6010), mg/kg	29	15	<2	1600	34
Lead (6010), mg/kg	1700	51	7.4	300	98
Mercury (7471), mg/kg	<0.1	<0.1	<0.1	0.55	0.30
Molybdenum (6010), mg/kg	7.0	3.2	<2	8.1	<2
Nickel (6010), mg/kg	26	18	20	55	21
Selenium (7740), mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Silver (6010), mg/kg	<1	<5	<1	<1	<1
Thallium (6010), mg/kg	<7	<7	<7	<7	<7
Vanadium (6010), mg/kg	33	24	45	28	25
Zinc (6010), mg/kg	240	94	49	560	86
Aluminum (6010), mg/kg	5200	4700	9500	6700	7200
Calcium (6010), mg/kg	9700	6300	2500	17000	15000

LOG NO: G97-12-056

Received: 02 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-056-11	WDI-TS-127-3.4-4.8	02 DEC 97
12-056-12	WDI-TS-127-8.11-9.11	02 DEC 97
12-056-13	WDI-TS-127-18.4-19.8	02 DEC 97
12-056-14	WDI-TS-128-3.6-4.8	02 DEC 97
12-056-15	WDI-TS-128-12.0-13.0	02 DEC 97

PARAMETER	12-056-11	12-056-12	12-056-13	12-056-14	12-056-15
Iron (6010), mg/kg	16000	13000	20000	17000	17000
Semi-volatiles					

LOG NO: G97-12-056

Received: 02 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-056-11	WDI-TS-127-3.4-4.8	02 DEC 97
12-056-12	WDI-TS-127-8.11-9.11	02 DEC 97
12-056-13	WDI-TS-127-18.4-19.8	02 DEC 97
12-056-14	WDI-TS-128-3.6-4.8	02 DEC 97
12-056-15	WDI-TS-128-12.0-13.0	02 DEC 97

PARAMETER	12-056-11	12-056-12	12-056-13	12-056-14	12-056-15
Simulated Distillation (D2887)					
Sample Amount, g	10G	10G	10G	10G	10G
Extract Volume, mL	10ML	10ML	10ML	10ML	10ML
Dilution Factor, Times	100	5	1	20	1
C10-C11, mg/kg	<500	<30	<5	<100	3600
C12-C13, mg/kg	<500	<30	<5	<100	7600
C14-C15, mg/kg	<500	<30	<5	<100	8600
C16-C17, mg/kg	<500	<30	<5	100	8100
C18-C19, mg/kg	<500	<30	<5	200	7600
C20-C23, mg/kg	2800	41	<5	610	12000
C24-C27, mg/kg	5400	87	<5	670	9600
C28-C31, mg/kg	6000	180	<5	660	9000
C32-C35, mg/kg	4400	200	<5	390	6600
C36-C39, mg/kg	3100	230	<5	220	11000
C40-C43, mg/kg	1600	230	<5	<100	<5
C44+, mg/kg	<500	<30	<5	<100	<5
Total Hydrocarbon Matrix, mg/kg	23000	970	<50	2900	84000
Other Simulated Distillation (D2887)	---	---	---	---	---
Surrogates **					
Naphthalene Reported, mg/kg	0 NC	6.58	8.18	0 NC	0 NC
Naphthalene Theoretical, mg/kg	10.0	10.0	10.0	10.0	10.0
o-Terphenyl Reported, mg/kg	0 NC	7.03	7.12	0 NC	0 NC
o-Terphenyl Theoretical, mg/kg	10.0	10.0	10.0	10.0	10.0

LOG NO: G97-12-056

Received: 02 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-056-16	WDI-TS-128-18.0-19.0	02 DEC 97
12-056-17	WDI-TS-129-3.6-3.8	02 DEC 97
12-056-18	WDI-TS-129-8.6-9.85	02 DEC 97
12-056-19	WDI-TS-129-16.4-17.5	02 DEC 97

PARAMETER	12-056-16	12-056-17	12-056-18	12-056-19
Digestion (3050A), Date	12/18/97	12/18/97	12/18/97	12/18/97
Furnace Digestion (3050), Date	12/18/97	12/18/97	12/18/97	12/18/97
Pesticides				
PCBs				
Arsenic (7060), mg/kg	3.6	6.9	2.7	8.4
Antimony (6010), mg/kg	<10	12	<10	<10
Barium (6010), mg/kg	170	47	5400	190
Beryllium (6010), mg/kg	0.64	0.25	0.29	0.81
Cadmium (6010), mg/kg	<1	10	<1	<1
Chromium (6010), mg/kg	21	42	10	24
Cobalt (6010), mg/kg	14	6.2	7.8	15
Copper (6010), mg/kg	7.8	120	18	8.7
Lead (6010), mg/kg	5.5	1600	18	8.6
Mercury (7471), mg/kg	<0.1	<0.1	<0.1	<0.1
Molybdenum (6010), mg/kg	<2	16	2.9	<2
Nickel (6010), mg/kg	22	110	34	25
Selenium (7740), mg/kg	<0.4	<0.4	<0.4	<0.4
Silver (6010), mg/kg	<1	<1	<1	<1
Thallium (6010), mg/kg	<7	<7	<7	<7
Vanadium (6010), mg/kg	41	11	14	54
Zinc (6010), mg/kg	48	740	54	53
Aluminum (6010), mg/kg	9200	2800	4800	11000
Calcium (6010), mg/kg	2900	11000	24000	3000
Iron (6010), mg/kg	20000	26000	9900	25000

LOG NO: G97-12-056

Received: 02 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-056-16	WDI-TS-128-18.0-19.0	02 DEC 97
12-056-17	WDI-TS-129-3.6-3.8	02 DEC 97
12-056-18	WDI-TS-129-8.6-9.85	02 DEC 97
12-056-19	WDI-TS-129-16.4-17.5	02 DEC 97

PARAMETER	12-056-16	12-056-17	12-056-18	12-056-19
Semi-volatiles				

LOG NO: G97-12-056

Received: 02 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-056-16	WDI-TS-128-18.0-19.0	02 DEC 97
12-056-17	WDI-TS-129-3.6-3.8	02 DEC 97
12-056-18	WDI-TS-129-8.6-9.85	02 DEC 97
12-056-19	WDI-TS-129-16.4-17.5	02 DEC 97

PARAMETER	12-056-16	12-056-17	12-056-18	12-056-19
Simulated Distillation (D2887)				
Sample Amount, g	10G	10G	10G	10G
Extract Volume, mL	10ML	10ML	10ML	10ML
Dilution Factor, Times	1	1	100	1
C10-C11, mg/kg	<5	<5	5400	<5
C12-C13, mg/kg	<5	<5	5800	<5
C14-C15, mg/kg	<5	<5	4900	<5
C16-C17, mg/kg	<5	<5	4200	<5
C18-C19, mg/kg	<5	<5	3800	<5
C20-C23, mg/kg	<5	<5	5500	<5
C24-C27, mg/kg	<5	<5	4300	<5
C28-C31, mg/kg	<5	<5	3900	<5
C32-C35, mg/kg	<5	<5	3500	<5
C36-C39, mg/kg	<5	<5	2500	<5
C40-C43, mg/kg	<5	<5	1500	<5
C44+, mg/kg	<5	<5	<500	<5
Total Hydrocarbon Matrix, mg/kg	<50	<50	45000	<50
Other Simulated Distillation (D2887)	---	---	---	---
Surrogates **				
Naphthalene Reported, mg/kg	11.0	8.49	0 NC	11.1
Naphthalene Theoretical, mg/kg	10.0	10.0	10.0	10.0
o-Terphenyl Reported, mg/kg	9.32	7.21	0 NC	9.42
o-Terphenyl Theoretical, mg/kg	10.0	10.0	10.0	10.0

LOG NO: G97-12-056

Received: 02 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-056-20	WDI-TS-127-3.4B	02 DEC 97
12-056-21	WDI-TS-127-8.11-9.11	02 DEC 97
12-056-22	WDI-TS-127-19.8B	02 DEC 97
12-056-23	WDI-TS-128-3.6B	02 DEC 97
12-056-24	WDI-TS-128-13.8B	02 DEC 97

PARAMETER	12-056-20	12-056-21	12-056-22	12-056-23	12-056-24
Sample Held, Not Analyzed	HOLD	HOLD	HOLD	HOLD	HOLD

LOG NO: G97-12-056

Received: 02 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-056-25	WDI-TS-128-19.8B	02 DEC 97
12-056-26	WDI-TS-129-3.8B	02 DEC 97
12-056-27	WDI-TS-129-9.8B	02 DEC 97
12-056-28	WDI-TS-129-17.8B	02 DEC 97

PARAMETER	12-056-25	12-056-26	12-056-27	12-056-28
Sample Held, Not Analyzed	HOLD	HOLD	HOLD	HOLD

Greta Galoustian, Laboratory Director

The analytical results within this report relate only to the specific compounds and samples investigated and may not necessarily reflect other apparently similar material from the same or a similar location.

This report shall not be reproduced, except in full, without the written approval of VOC. No use of this report for promotional or advertising purposes is permitted without prior written VOC approval.

ANALYTICAL REPORT

LOG NO: G97-12-103

Received: 03 DEC 97

Mailed:

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-1	WDI-TS-130-4.10A	03 DEC 97
12-103-2	WDI-TS-130-13A	03 DEC 97
12-103-3	WDI-TS-131-3.8A	03 DEC 97
12-103-4	WDI-TS-132-3.10A	03 DEC 97
12-103-5	WDI-TS-132-11A	03 DEC 97

PARAMETER	12-103-1	12-103-2	12-103-3	12-103-4	12-103-5
Volatile Organics (8260A)					
Date Analyzed	12/10/97	12/11/97	12/11/97	12/11/97	12/11/97
Dilution Factor, Times	100	100	100	100	100
1,1,1-Trichloroethane, mg/kg	<0.5	<0.5	<0.5	0	<0.5
1,1,2,2-Tetrachloroethane, mg/kg	<0.5	<0.5	<0.5	0	<0.5
1,1,2-Trichloroethane, mg/kg	<0.5	<0.5	<0.5	0	<0.5
1,1-Dichloroethane, mg/kg	<0.5	<0.5	<0.5	0	<0.5
1,1-Dichloroethene, mg/kg	<0.5	<0.5	<0.5	0	<0.5
1,2-Dibromoethane, mg/kg	<0.5	<0.5	<0.5	0	<0.5
1,2-Dichloroethane, mg/kg	<0.5	<0.5	<0.5	0	<0.5
1,2-Dichloropropane, mg/kg	<0.5	<0.5	<0.5	0	<0.5
2-Chloroethylvinylether, mg/kg	<4	<4	<4	0	<4
2-Hexanone, mg/kg	<5	<5	<5	0	<5
Acetone, mg/kg	<10	<10	<10	0	<10
Bromodichloromethane, mg/kg	<0.5	<0.5	<0.5	0	<0.5
Bromomethane, mg/kg	<0.5	<0.5	<0.5	0	<0.5
Benzene, mg/kg	<0.5	19.59	0.804	0	7.75
Bromoform, mg/kg	<0.5	<0.5	<0.5	0	<0.5
Carbon Tetrachloride, mg/kg	<0.5	<0.5	<0.5	0	<0.5
Chloroethane, mg/kg	<0.5	<0.5	<0.5	0	<0.5
Chloroform, mg/kg	<0.5	<0.5	<0.5	0	<0.5
Chloromethane, mg/kg	<0.5	<0.5	<0.5	0	<0.5
Carbon Disulfide, mg/kg	<1	<1	<1	0	<1
Dibromochloromethane, mg/kg	<0.5	<0.5	<0.5	0	<0.5

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-1	WDI-TS-130-4.10A	03 DEC 97
12-103-2	WDI-TS-130-13A	03 DEC 97
12-103-3	WDI-TS-131-3.8A	03 DEC 97
12-103-4	WDI-TS-132-3.10A	03 DEC 97
12-103-5	WDI-TS-132-11A	03 DEC 97

PARAMETER	12-103-1	12-103-2	12-103-3	12-103-4	12-103-5
Methyl ethyl ketone, mg/kg	<3	<3	<3	0	<3
Methyl isobutyl ketone, mg/kg	<3	<3	<3	0	<3
Methylene chloride, mg/kg	<0.5	<0.5	<0.5	0	<0.5
Trichloroethene, mg/kg	<0.5	62.59	1.949	0.024	<0.5
Tetrachloroethene, mg/kg	<0.5	450.0	10.25	0.474	<0.5
Vinyl acetate, mg/kg	<5	<5	<5	0	<5
Vinyl chloride, mg/kg	<0.5	0.579	<0.5	0	<0.5
cis-1,2-Dichloroethene, mg/kg	<0.5	1.398	<0.5	0	<0.5
cis-1,3-Dichloropropene, mg/kg	<0.5	<0.5	<0.5	0	<0.5
trans-1,2-Dichloroethene, mg/kg	<0.5	<0.5	<0.5	0	<0.5
trans-1,3-Dichloropropene, mg/kg	<0.5	<0.5	<0.5	0	<0.5
Other Volatile Organics (8260A)	---	---	---	---	---
Surrogates **					
4-Bromofluorobenzene Rep., mg/kg	5.94	5.90	7.34	5.86	6.80
4-Bromofluorobenzene Theo., mg/kg	5.00	5.00	5.00	5.00	5.00
Toluene-d8 Reported, mg/kg	5.74	5.24	6.44	5.40	7.12
Toluene-d8 Theo., mg/kg	5.00	5.00	5.00	5.00	5.00
Dibromofluoromethane Rep., mg/kg	5.08	2.55	5.74	4.86	6.00
Dibromofluoromethane Theo., mg/kg	5.00	5.00	5.00	5.00	5.00

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-6	WDI-TS-132-18A	03 DEC 97
12-103-7	WDI-TS-133-4.8A	03 DEC 97
12-103-8	WDI-TS-133-11.2A	03 DEC 97
12-103-9	WDI-TS-133-19.3A	03 DEC 97
12-103-10	WDI-TS-134-3.8A	03 DEC 97

PARAMETER	12-103-6	12-103-7	12-103-8	12-103-9	12-103-10
Volatile Organics (8260A)					
Date Analyzed	12/11/97	12/11/97	12/11/97	12/11/97	12/10/97
Dilution Factor, Times	100	100	84	100	118
1,1,1-Trichloroethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.6
1,1,2,2-Tetrachloroethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.6
1,1,2-Trichloroethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.6
1,1-Dichloroethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.6
1,1-Dichloroethene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.6
1,2-Dibromoethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.6
1,2-Dichloroethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.6
1,2-Dichloropropane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.6
2-Chloroethylvinylether, mg/kg	<4	<4	<4	<4	<5
2-Hexanone, mg/kg	<5	<5	<5	<5	<6
Acetone, mg/kg	<10	<10	<9	<10	<20
Bromodichloromethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.6
Bromomethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.6
Benzene, mg/kg	<0.5	<0.5	7.0	<0.5	<0.6
Bromoform, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.6
Carbon Tetrachloride, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.6
Chloroethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.6
Chloroform, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.6
Chloromethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.6
Carbon Disulfide, mg/kg	<1	<1	<0.9	<1	<2

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-6	WDI-TS-132-18A	03 DEC 97
12-103-7	WDI-TS-133-4.8A	03 DEC 97
12-103-8	WDI-TS-133-11.2A	03 DEC 97
12-103-9	WDI-TS-133-19.3A	03 DEC 97
12-103-10	WDI-TS-134-3.8A	03 DEC 97

PARAMETER	12-103-6	12-103-7	12-103-8	12-103-9	12-103-10
Dibromochloromethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.6
Methyl ethyl ketone, mg/kg	<3	<3	<3	<3	<4
Methyl isobutyl ketone, mg/kg	<3	<3	<3	<3	<4
Methylene chloride, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.6
Trichloroethene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.6
Tetrachloroethene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.6
Vinyl acetate, mg/kg	<5	<5	<5	<5	<6
Vinyl chloride, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.6
cis-1,2-Dichloroethene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.6
cis-1,3-Dichloropropene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.6
trans-1,2-Dichloroethene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.6
trans-1,3-Dichloropropene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.6
Other Volatile Organics (8260A)	---	---	---	---	---
Surrogates **					
4-Bromofluorobenzene Rep., mg/kg	6.29	6.33	0.0708	5.25	7.35
4-Bromofluorobenzene Theo., mg/kg	5.00	5.00	0.0500	5.00	5.00
Toluene-d8 Reported, mg/kg	6.46	5.92	0.0818	4.97	7.38
Toluene-d8 Theo., mg/kg	5.00	5.00	0.0500	5.00	5.00
Dibromofluoromethane Rep., mg/kg	4.68	4.88	0.0407	3.96	6.38
Dibromofluoromethane Theo., mg/kg	5.00	5.00	0.0500	5.00	5.00

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-11	WDI-TS-134-11.3A	03 DEC 97
12-103-12	WDI-TS-135-2.4A	03 DEC 97
12-103-13	WDI-TS-135-13A	03 DEC 97

PARAMETER	12-103-11	12-103-12	12-103-13
Volatile Organics (8260A)			
Date Analyzed	12/11/97	12/11/97	12/11/97
Dilution Factor, Times	100	100	120
1,1,1-Trichloroethane, mg/kg	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane, mg/kg	<0.5	<0.5	<0.5
1,1,2-Trichloroethane, mg/kg	<0.5	<0.5	<0.5
1,1-Dichloroethane, mg/kg	<0.5	<0.5	<0.5
1,1-Dichloroethene, mg/kg	<0.5	<0.5	<0.5
1,2-Dibromoethane, mg/kg	<0.5	<0.5	<0.5
1,2-Dichloroethane, mg/kg	<0.5	<0.5	<0.5
1,2-Dichloropropane, mg/kg	<0.5	<0.5	<0.5
2-Chloroethylvinylether, mg/kg	<4	<4	<4
2-Hexanone, mg/kg	<5	<5	<5
Acetone, mg/kg	<10	<10	<10
Bromodichloromethane, mg/kg	<0.5	<0.5	<0.5
Bromomethane, mg/kg	<0.5	<0.5	<0.5
Benzene, mg/kg	0.820	<0.5	<0.5
Bromoform, mg/kg	<0.5	<0.5	<0.5
Carbon Tetrachloride, mg/kg	<0.5	<0.5	<0.5
Chloroethane, mg/kg	<0.5	<0.5	<0.5
Chloroform, mg/kg	<0.5	<0.5	<0.5
Chloromethane, mg/kg	<0.5	<0.5	<0.5
Carbon Disulfide, mg/kg	<1	<1	<1
Dibromochloromethane, mg/kg	<0.5	<0.5	<0.5
Methyl ethyl ketone, mg/kg	<3	<3	<3

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-11	WDI-TS-134-11.3A	03 DEC 97
12-103-12	WDI-TS-135-2.4A	03 DEC 97
12-103-13	WDI-TS-135-13A	03 DEC 97

PARAMETER	12-103-11	12-103-12	12-103-13
Methyl isobutyl ketone, mg/kg	<3	<3	<3
Methylene chloride, mg/kg	<0.5	<0.5	<0.5
Trichloroethene, mg/kg	<0.5	<0.5	<0.6
Tetrachloroethene, mg/kg	<0.5	<0.5	<0.6
Vinyl acetate, mg/kg	<5	<5	<5
Vinyl chloride, mg/kg	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene, mg/kg	<0.5	<0.5	0.76
cis-1,3-Dichloropropene, mg/kg	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene, mg/kg	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene, mg/kg	<0.5	<0.5	<0.5
Other Volatile Organics (8260A)	---	---	---
Surrogates **			
4-Bromofluorobenzene Rep., mg/kg	7.09	6.99	0.0750
4-Bromofluorobenzene Theo., mg/kg	5.00	5.00	0.0500
Toluene-d8 Reported, mg/kg	7.50	7.18	0.0791
Toluene-d8 Theo., mg/kg	5.00	5.00	0.0500
Dibromofluoromethane Rep., mg/kg	6.26	6.15	0.0616
Dibromofluoromethane Theo., mg/kg	5.00	5.00	0.0500

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-14	WDI-TS-130-3.8-4.10	03 DEC 97
12-103-15	WDI-TS-130-12-13	03 DEC 97
12-103-16	WDI-TS-131-2.6-3.0	03 DEC 97
12-103-17	WDI-TS-132-2.9-3.10	03 DEC 97
12-103-18	WDI-TS-132-10-11	03 DEC 97

PARAMETER	12-103-14	12-103-15	12-103-16	12-103-17	12-103-18
Digestion (3050A), Date	12/10/97	12/10/97	12/10/97	12/10/97	12/10/97
Furnace Digestion (3050), Date	12/10/97	12/10/97	12/10/97	12/10/97	12/10/97
Pesticides					
PCBs					
Arsenic (7060), mg/kg	13	3.9	5.2	23	21
Antimony (6010), mg/kg	<10	30	<10	<10	<10
Barium (6010), mg/kg	1400	470	150	1600	1400
Beryllium (6010), mg/kg	0.58	0.23	0.64	0.45	0.37
Cadmium (6010), mg/kg	<1	2.3	<1	<1	1.6
Chromium (6010), mg/kg	51	58	24	64	68
Cobalt (6010), mg/kg	10	8.3	16	11	9.4
Copper (6010), mg/kg	91	66	21	160	110
Lead (6010), mg/kg	460	320	10	850	760
Mercury (7471), mg/kg	0.13	0.34	<0.1	0.11	0.33
Molybdenum (6010), mg/kg	<2	2.3	<2	3.5	3.8
Nickel (6010), mg/kg	22	21	17	27	24
Selenium (7740), mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Silver (6010), mg/kg	<1	<1	<1	<1	<1
Thallium (6010), mg/kg	<7	<7	<7	<7	<7
Vanadium (6010), mg/kg	35	14	49	35	26
Zinc (6010), mg/kg	260	230	52	310	300
Aluminum (6010), mg/kg	11000	4500	10000	11000	7700
Calcium (6010), mg/kg	30000	15000	2200	20000	18000

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-14	WDI-TS-130-3.8-4.10	03 DEC 97
12-103-15	WDI-TS-130-12-13	03 DEC 97
12-103-16	WDI-TS-131-2.6-3.0	03 DEC 97
12-103-17	WDI-TS-132-2.9-3.10	03 DEC 97
12-103-18	WDI-TS-132-10-11	03 DEC 97

PARAMETER	12-103-14	12-103-15	12-103-16	12-103-17	12-103-18
Iron (6010), mg/kg	21000	28000	25000	20000	17000

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-14	WDI-TS-130-3.8-4.10	03 DEC 97
12-103-15	WDI-TS-130-12-13	03 DEC 97
12-103-16	WDI-TS-131-2.6-3.0	03 DEC 97
12-103-17	WDI-TS-132-2.9-3.10	03 DEC 97
12-103-18	WDI-TS-132-10-11	03 DEC 97

PARAMETER	12-103-14	12-103-15	12-103-16	12-103-17	12-103-18
Semi-volatiles (8270)					
Date Analyzed	12/26/97	12/09/97	12/09/97	---	12/09/97
Date Extracted	12/05/97	12/05/97	12/05/97	---	12/05/97
Dilution Factor, Times	25	25	1	---	25
1,2,4-Trichlorobenzene, mg/kg	<5	<5	<0.2	---	<5
1,2-Dichlorobenzene, mg/kg	<5	13	<0.2	---	<5
1,2-Diphenylhydrazine, mg/kg	<5	<5	<0.2	---	<5
1,3-Dichlorobenzene, mg/kg	<5	<5	<0.2	---	<5
1,4-Dichlorobenzene, mg/kg	<5	<5	<0.2	---	<5
2,4,5-Trichlorophenol, mg/kg	<5	<5	<0.2	---	<5
2,4,6-Trichlorophenol, mg/kg	<5	<5	<0.2	---	<5
2,4-Dichlorophenol, mg/kg	<5	<5	<0.2	---	<5
2,4-Dimethylphenol, mg/kg	<5	<5	<0.2	---	<5
2,4-Dinitrophenol, mg/kg	<10	<10	<0.4	---	<10
2,4-Dinitrotoluene, mg/kg	<5	<5	<0.2	---	<5
2,6-Dinitrotoluene, mg/kg	<5	<5	<0.2	---	<5
2-Chloronaphthalene, mg/kg	<5	<5	<0.2	---	<5
2-Chlorophenol, mg/kg	<5	<5	<0.2	---	<5
2-Methyl-4,6-dinitrophenol, mg/kg	<10	<10	<0.4	---	<10
2-Methylnaphthalene, mg/kg	<5	30	<0.2	---	23
2-Methylphenol (o-Cresol), mg/kg	<5	<5	<0.2	---	<5
2-Nitroaniline, mg/kg	<5	<5	<0.2	---	<5
2-Nitrophenol, mg/kg	<5	<5	<0.2	---	<5

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-14	WDI-TS-130-3.8-4.10	03 DEC 97
12-103-15	WDI-TS-130-12-13	03 DEC 97
12-103-16	WDI-TS-131-2.6-3.0	03 DEC 97
12-103-17	WDI-TS-132-2.9-3.10	03 DEC 97
12-103-18	WDI-TS-132-10-11	03 DEC 97

PARAMETER	12-103-14	12-103-15	12-103-16	12-103-17	12-103-18
3,3'-Dichlorobenzidine, mg/kg	<20	<20	<0.6	---	<20
3-Nitroaniline, mg/kg	<5	<5	<0.2	---	<5
4-Bromophenylphenylether, mg/kg	<5	<5	<0.2	---	<5
4-Chloro-3-methylphenol, mg/kg	<5	<5	<0.2	---	<5
4-Chloroaniline, mg/kg	<5	<5	<0.2	---	<5
4-Chlorophenylphenylether, mg/kg	<5	<5	<0.2	---	<5
4-Methylphenol (p-Cresol), mg/kg	<10	<10	<0.4	---	<10
4-Nitroaniline, mg/kg	<5	<5	<0.2	---	<5
4-Nitrophenol, mg/kg	<10	<10	<0.4	---	<10
Acenaphthene, mg/kg	<5	<5	<0.2	---	<5
Acenaphthylene, mg/kg	<5	<5	<0.2	---	<5
Aniline, mg/kg	<5	<5	<0.2	---	<5
Anthracene, mg/kg	<5	<5	<0.2	---	<5
Benzidine, mg/kg	<100	<100	<4	---	<100
Benzo(a)anthracene, mg/kg	<5	<5	<0.2	---	<5
Benzo(a)pyrene, mg/kg	<5	<5	<0.2	---	<5
Benzo(b)fluoranthene, mg/kg	<5	<5	<0.2	---	<5
Benzo(g,h,i)perylene, mg/kg	<5	<5	<0.2	---	<5
Benzo(k)fluoranthene, mg/kg	<5	<5	<0.2	---	<5
Benzyl Alcohol, mg/kg	<10	<10	<0.4	---	<10
Benzoic acid, mg/kg	<50	<50	<2	---	<50
Butylbenzylphthalate, mg/kg	<5	<5	<0.2	---	<5
Chrysene, mg/kg	<5	<5	<0.2	---	<5

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-14	WDI-TS-130-3.8-4.10	03 DEC 97
12-103-15	WDI-TS-130-12-13	03 DEC 97
12-103-16	WDI-TS-131-2.6-3.0	03 DEC 97
12-103-17	WDI-TS-132-2.9-3.10	03 DEC 97
12-103-18	WDI-TS-132-10-11	03 DEC 97

PARAMETER	12-103-14	12-103-15	12-103-16	12-103-17	12-103-18
Di-n-octylphthalate, mg/kg	<5	<5	<0.2	---	<5
Dibenzo(a,h)anthracene, mg/kg	<5	<5	<0.2	---	<5
Dibenzofuran, mg/kg	<5	<5	<0.2	---	<5
Dibutylphthalate, mg/kg	<5	<5	<0.2	---	<5
Diethylphthalate, mg/kg	<5	<5	<0.2	---	<5
Dimethylphthalate, mg/kg	<5	<5	<0.2	---	<5
Fluoranthene, mg/kg	<5	<5	<0.2	---	<5
Fluorene, mg/kg	<5	<5	<0.2	---	<5
Hexachlorobenzene, mg/kg	<5	<5	<0.2	---	<5
Hexachlorobutadiene, mg/kg	<5	<5	<0.2	---	<5
Hexachlorocyclopentadiene, mg/kg	<10	<10	<0.4	---	<10
Hexachloroethane, mg/kg	<5	<5	<0.2	---	<5
Indeno(1,2,3-c,d)pyrene, mg/kg	<5	<5	<0.2	---	<5
Isophorone, mg/kg	<5	<5	<0.2	---	<5
N-Nitrosodimethylamine, mg/kg	<5	<5	<0.2	---	<5
N-Nitrosodiphenylamine, mg/kg	<5	<5	<0.2	---	<5
N-Nitrosodi-n-propylamine, mg/kg	<5	<5	<0.2	---	<5
Nitrobenzene, mg/kg	<5	<5	<0.2	---	<5
Naphthalene, mg/kg	<5	9.9	<0.2	---	8.6
Phenanthrene, mg/kg	<5	6.2	<0.2	---	7.4
Phenol, mg/kg	<5	<5	<0.2	---	<5
Pentachlorophenol, mg/kg	<10	<10	<0.4	---	<10
Pyrene, mg/kg	<5	<5	<0.2	---	<5

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-14	WDI-TS-130-3.8-4.10	03 DEC 97
12-103-15	WDI-TS-130-12-13	03 DEC 97
12-103-16	WDI-TS-131-2.6-3.0	03 DEC 97
12-103-17	WDI-TS-132-2.9-3.10	03 DEC 97
12-103-18	WDI-TS-132-10-11	03 DEC 97

PARAMETER	12-103-14	12-103-15	12-103-16	12-103-17	12-103-18
Pyridine, mg/kg	<10	<10	<0.4	---	<10
Bis(2-chloroethoxy)methane, mg/kg	<5	<5	<0.2	---	<5
Bis(2-chloroethyl)ether, mg/kg	<5	<5	<0.2	---	<5
Bis(2-chloroisopropyl)ether, mg/kg	<5	<5	<0.2	---	<5
Bis(2-ethylhexyl)phthalate, mg/kg	<10	<10	<0.4	---	<10
Surrogates **					
2-Fluorobiphenyl Reported, mg/kg	0 NC	0 NC	1.80	---	0 NC
2-Fluorobiphenyl Theo., mg/kg	1.67	1.67	1.67	---	1.67
2-Fluorophenol Reported, mg/kg	0 NC	0 NC	2.22	---	0 NC
2-Fluorophenol Theoretical, mg/kg	2.50	2.50	2.50	---	2.50
2,4,6-Tribromophenol Rep., mg/kg	0 NC	0 NC	2.77	---	0 NC
2,4,6-Tribromophenol Theo., mg/kg	2.50	2.50	2.50	---	2.50
Nitrobenzene-d5 Reported, mg/kg	0 NC	0 NC	1.73	---	0 NC
Nitrobenzene-d5 Theoretical, mg/kg	1.67	1.67	1.67	---	1.67
Phenol-d5 Reported, mg/kg	0 NC	0 NC	2.43	---	0 NC
Phenol-d5 Theoretical, mg/kg	2.50	2.50	2.50	---	2.50
Terphenyl-d14 Reported, mg/kg	0 NC	0 NC	1.51	---	0 NC
Terphenyl-d14 Theoretical, mg/kg	1.67	1.67	1.67	---	1.67

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-14	WDI-TS-130-3.8-4.10	03 DEC 97
12-103-15	WDI-TS-130-12-13	03 DEC 97
12-103-16	WDI-TS-131-2.6-3.0	03 DEC 97
12-103-17	WDI-TS-132-2.9-3.10	03 DEC 97
12-103-18	WDI-TS-132-10-11	03 DEC 97

PARAMETER	12-103-14	12-103-15	12-103-16	12-103-17	12-103-18
Simulated Distillation (D2887)					
Sample Amount, g	10G	10G	10G	10G	10G
Extract Volume, mL	10ML	10ML	10ML	10ML	10ML
Dilution Factor, Times	10	100	1	50	200
C10-C11, mg/kg	<50	1800	<5	<300	<1000
C12-C13, mg/kg	<50	3200	<5	<300	1500
C14-C15, mg/kg	<50	3500	<5	<300	2300
C16-C17, mg/kg	<50	3500	<5	<300	3500
C18-C19, mg/kg	82	3000	<5	370	4600
C20-C23, mg/kg	280	3500	<5	1000	9300
C24-C27, mg/kg	560	2400	<5	1200	8800
C28-C31, mg/kg	490	2400	<5	1600	8900
C32-C35, mg/kg	570	1800	<5	1200	6300
C36-C39, mg/kg	510	1200	<5	880	3800
C40-C43, mg/kg	340	<500	<5	<300	<1000
C44+, mg/kg	<50	<500	<5	<300	<1000
Total Hydrocarbon Matrix, mg/kg	2900	26000	<50	6500	<10000
Other Simulated Distillation (D2887)	---	---	---	---	---
Surrogates **					
1,3-Dichlorobenzene Reported, mg/kg	---	---	---	---	4900
Naphthalene Reported, mg/kg	0 NC	0 NC	6.58	0 NC	0 NC
Naphthalene Theoretical, mg/kg	10.0	10.0	10.0	10.0	10.0
o-Terphenyl Reported, mg/kg	0 NC	0 NC	6.86	0 NC	0 NC

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-14	WDI-TS-130-3.8-4.10	03 DEC 97
12-103-15	WDI-TS-130-12-13	03 DEC 97
12-103-16	WDI-TS-131-2.6-3.0	03 DEC 97
12-103-17	WDI-TS-132-2.9-3.10	03 DEC 97
12-103-18	WDI-TS-132-10-11	03 DEC 97

PARAMETER	12-103-14	12-103-15	12-103-16	12-103-17	12-103-18
o-Terphenyl Theoretical, mg/kg	10.0	10.0	10.0	10.0	10.0

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-19	WDI-TS-132-17.2-18	03 DEC 97
12-103-20	WDI-TS-133-3.8-4.8	03 DEC 97
12-103-21	WDI-TS-133-10.5-11.2	03 DEC 97
12-103-22	WDI-TS-133-19.3-20	03 DEC 97
12-103-23	WDI-TS-134-2.8-3.8	03 DEC 97

PARAMETER	12-103-19	12-103-20	12-103-21	12-103-22	12-103-23
Digestion (3050A), Date	12/10/97	12/10/97	12/10/97	12/10/97	12/10/97
Furnace Digestion (3050), Date	12/10/97	12/10/97	12/10/97	12/10/97	12/10/97
Pesticides					
PCBs					
Arsenic (7060), mg/kg	8.8	4.9	4.5	6.9	1.8
Antimony (6010), mg/kg	50	<10	<10	<10	<10
Barium (6010), mg/kg	160	410	2700	82	140
Beryllium (6010), mg/kg	0.83	0.57	0.30	0.54	0.22
Cadmium (6010), mg/kg	<1	<1	4.5	<1	<1
Chromium (6010), mg/kg	33	14	44	22	13
Cobalt (6010), mg/kg	17	<4	6.5	13	5.8
Copper (6010), mg/kg	35	56	53	28	18
Lead (6010), mg/kg	13	100	2500	10	41
Mercury (7471), mg/kg	<0.1	<0.1	0.17	<0.1	<0.1
Molybdenum (6010), mg/kg	<2	<2	3.7	<2	<2
Nickel (6010), mg/kg	23	6.3	22	18	8.5
Selenium (7740), mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Silver (6010), mg/kg	<1	<1	<1	<1	<1
Thallium (6010), mg/kg	<7	<7	<7	<7	<7
Vanadium (6010), mg/kg	64	17	15	40	17
Zinc (6010), mg/kg	66	86	680	57	130
Aluminum (6010), mg/kg	23000	10000	5300	11000	5600
Calcium (6010), mg/kg	2800	150000	29000	2500	13000

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-19	WDI-TS-132-17.2-18	03 DEC 97
12-103-20	WDI-TS-133-3.8-4.8	03 DEC 97
12-103-21	WDI-TS-133-10.5-11.2	03 DEC 97
12-103-22	WDI-TS-133-19.3-20	03 DEC 97
12-103-23	WDI-TS-134-2.8-3.8	03 DEC 97

PARAMETER	12-103-19	12-103-20	12-103-21	12-103-22	12-103-23
Iron (6010), mg/kg	35000	8700	13000	23000	11000

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-19	WDI-TS-132-17.2-18	03 DEC 97
12-103-20	WDI-TS-133-3.8-4.8	03 DEC 97
12-103-21	WDI-TS-133-10.5-11.2	03 DEC 97
12-103-22	WDI-TS-133-19.3-20	03 DEC 97
12-103-23	WDI-TS-134-2.8-3.8	03 DEC 97

PARAMETER	12-103-19	12-103-20	12-103-21	12-103-22	12-103-23
Semi-volatiles (8270)					
Date Analyzed	12/09/97	12/09/97	12/26/97	12/09/97	12/19/97
Date Extracted	12/05/97	12/05/97	12/05/97	12/05/97	12/05/97
Dilution Factor, Times	5	5	50	1	25
1,2,4-Trichlorobenzene, mg/kg	<1	<1	<10	<0.2	<5
1,2-Dichlorobenzene, mg/kg	<1	<1	<10	<0.2	<5
1,2-Diphenylhydrazine, mg/kg	<1	<1	<10	<0.2	<5
1,3-Dichlorobenzene, mg/kg	<1	<1	<10	<0.2	<5
1,4-Dichlorobenzene, mg/kg	<1	<1	<10	<0.2	<5
2,4,5-Trichlorophenol, mg/kg	<1	<1	<10.	<0.2	<5
2,4,6-Trichlorophenol, mg/kg	<1	<1	<10	<0.2	<5
2,4-Dichlorophenol, mg/kg	<1	<1	<10	<0.2	<5
2,4-Dimethylphenol, mg/kg	<1	<1	<10	<0.2	<5
2,4-Dinitrophenol, mg/kg	<2	<2	<20	<0.4	<10
2,4-Dinitrotoluene, mg/kg	<1	<1	<10	<0.2	<5
2,6-Dinitrotoluene, mg/kg	<1	<1	<10	<0.2	<5
2-Chloronaphthalene, mg/kg	<1	<1	<10	<0.2	<5
2-Chlorophenol, mg/kg	<1	<1	<10	<0.2	<5
2-Methyl-4,6-dinitrophenol, mg/kg	<2	<2	<20	<0.4	<10
2-Methylnaphthalene, mg/kg	<1	<1	26	<0.2	<5
2-Methylphenol (o-Cresol), mg/kg	<1	<1	<10	<0.2	<5
2-Nitroaniline, mg/kg	<1	<1	<10	<0.2	<5
2-Nitrophenol, mg/kg	<1	<1	<10	<0.2	<5

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-19	WDI-TS-132-17.2-18	03 DEC 97
12-103-20	WDI-TS-133-3.8-4.8	03 DEC 97
12-103-21	WDI-TS-133-10.5-11.2	03 DEC 97
12-103-22	WDI-TS-133-19.3-20	03 DEC 97
12-103-23	WDI-TS-134-2.8-3.8	03 DEC 97

PARAMETER	12-103-19	12-103-20	12-103-21	12-103-22	12-103-23
3,3'-Dichlorobenzidine, mg/kg	<3	<3	<30	<0.6	<20
3-Nitroaniline, mg/kg	<1	<1	<10	<0.2	<5
4-Bromophenylphenylether, mg/kg	<1	<1	<10	<0.2	<5
4-Chloro-3-methylphenol, mg/kg	<1	<1	<10	<0.2	<5
4-Chloroaniline, mg/kg	<1	<1	<10	<0.2	<5
4-Chlorophenylphenylether, mg/kg	<1	<1	<10	<0.2	<5
4-Methylphenol (p-Cresol), mg/kg	<2	<2	<20	<0.4	<10
4-Nitroaniline, mg/kg	<1	<1	<10	<0.2	<5
4-Nitrophenol, mg/kg	<2	<2	<20	<0.4	<10
Acenaphthene, mg/kg	<1	<1	<10	<0.2	<5
Acenaphthylene, mg/kg	<1	<1	<10	<0.2	<5
Aniline, mg/kg	<1	<1	<10	<0.2	<5
Anthracene, mg/kg	<1	<1	<10	<0.2	<5
Benzidine, mg/kg	<20	<20	<200	<4	<100
Benzo(a)anthracene, mg/kg	<1	<1	<10	<0.2	<5
Benzo(a)pyrene, mg/kg	<1	<1	<10	<0.2	<5
Benzo(b)fluoranthene, mg/kg	<1	<1	<10	<0.2	<5
Benzo(g,h,i)perylene, mg/kg	<1	<1	<10	<0.2	<5
Benzo(k)fluoranthene, mg/kg	<1	<1	<10	<0.2	<5
Benzyl Alcohol, mg/kg	<2	<2	<20	<0.4	<10
Benzoic acid, mg/kg	<10	<10	<100	<2	<50
Butylbenzylphthalate, mg/kg	<1	<1	<10	<0.2	<5
Chrysene, mg/kg	<1	<1	<10	<0.2	<5

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-19	WDI-TS-132-17.2-18	03 DEC 97
12-103-20	WDI-TS-133-3.8-4.8	03 DEC 97
12-103-21	WDI-TS-133-10.5-11.2	03 DEC 97
12-103-22	WDI-TS-133-19.3-20	03 DEC 97
12-103-23	WDI-TS-134-2.8-3.8	03 DEC 97

PARAMETER	12-103-19	12-103-20	12-103-21	12-103-22	12-103-23
Di-n-octylphthalate, mg/kg	<1	<1	<10	<0.2	<5
Dibenzo(a,h)anthracene, mg/kg	<1	<1	<10	<0.2	<5
Dibenzofuran, mg/kg	<1	<1	<10	<0.2	<5
Dibutylphthalate, mg/kg	<1	<1	<10	<0.2	<5
Diethylphthalate, mg/kg	<1	<1	<10	<0.2	<5
Dimethylphthalate, mg/kg	<1	<1	<10	<0.2	<5
Fluoranthene, mg/kg	<1	<1	<10	<0.2	<5
Fluorene, mg/kg	<1	<1	<10	<0.2	<5
Hexachlorobenzene, mg/kg	<1	<1	<10	<0.2	<5
Hexachlorobutadiene, mg/kg	<1	<1	<10	<0.2	<5
Hexachlorocyclopentadiene, mg/kg	<2	<2	<20	<0.4	<10
Hexachloroethane, mg/kg	<1	<1	<10	<0.2	<5
Indeno(1,2,3-c,d)pyrene, mg/kg	<1	<1	<10	<0.2	<5
Isophorone, mg/kg	<1	<1	<10	<0.2	<5
N-Nitrosodimethylamine, mg/kg	<1	<1	<10	<0.2	<5
N-Nitrosodiphenylamine, mg/kg	<1	<1	<10	<0.2	<5
N-Nitrosodi-n-propylamine, mg/kg	<1	<1	<10	<0.2	<5
Nitrobenzene, mg/kg	<1	<1	<10	<0.2	<5
Naphthalene, mg/kg	<1	<1	<10	<0.2	<5
Phenanthrene, mg/kg	<1	<1	<10	<0.2	<5
Phenol, mg/kg	<1	<1	<10	<0.2	<5
Pentachlorophenol, mg/kg	<2	<2	<20	<0.4	<10
Pyrene, mg/kg	<1	<1	<10	<0.2	<5

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-19	WDI-TS-132-17.2-18	03 DEC 97
12-103-20	WDI-TS-133-3.8-4.8	03 DEC 97
12-103-21	WDI-TS-133-10.5-11.2	03 DEC 97
12-103-22	WDI-TS-133-19.3-20	03 DEC 97
12-103-23	WDI-TS-134-2.8-3.8	03 DEC 97

PARAMETER	12-103-19	12-103-20	12-103-21	12-103-22	12-103-23
Pyridine, mg/kg	<2	<2	<20	<0.4	<10
Bis(2-chloroethoxy)methane, mg/kg	<1	<1	<10	<0.2	<5
Bis(2-chloroethyl)ether, mg/kg	<1	<1	<10	<0.2	<5
Bis(2-chloroisopropyl)ether, mg/kg	<1	<1	<10	<0.2	<5
Bis(2-ethylhexyl)phthalate, mg/kg	<2	<2	<20	<0.4	<10
Surrogates **					
2-Fluorobiphenyl Reported, mg/kg	1.45	1.42	0 NC	1.51	0 NC
2-Fluorobiphenyl Theo., mg/kg	1.67	1.67	1.67	1.67	1.67
2-Fluorophenol Reported, mg/kg	1.62	0 NC	0 NC	1.76	0 NC
2-Fluorophenol Theoretical, mg/kg	2.50	2.50	2.50	2.50	2.50
2,4,6-Tribromophenol Rep., mg/kg	1.97	0 NC	0 NC	2.57	0 NC
2,4,6-Tribromophenol Theo., mg/kg	2.50	2.50	2.50	2.50	2.50
Nitrobenzene-d5 Reported, mg/kg	1.39	1.02	0 NC	1.37	0 NC
Nitrobenzene-d5 Theoretical, mg/kg	1.67	1.67	1.67	1.67	1.67
Phenol-d5 Reported, mg/kg	1.76	0 NC	0 NC	1.95	0 NC
Phenol-d5 Theoretical, mg/kg	2.50	2.50	2.50	2.50	2.50
Terphenyl-d14 Reported, mg/kg	1.23	1.10	0 NC	1.46	0 NC
Terphenyl-d14 Theoretical, mg/kg	1.67	1.67	1.67	1.67	1.67

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-19	WDI-TS-132-17.2-18	03 DEC 97
12-103-20	WDI-TS-133-3.8-4.8	03 DEC 97
12-103-21	WDI-TS-133-10.5-11.2	03 DEC 97
12-103-22	WDI-TS-133-19.3-20	03 DEC 97
12-103-23	WDI-TS-134-2.8-3.8	03 DEC 97

PARAMETER	12-103-19	12-103-20	12-103-21	12-103-22	12-103-23
Simulated Distillation (D2887)					
Sample Amount, g	10G	10G	10G	10G	10G
Extract Volume, mL	10ML	10ML	10ML	10ML	10ML
Dilution Factor, Times	2	1	50	1	1
C10-C11, mg/kg	34	<5	1200	<5	<5
C12-C13, mg/kg	76	8.0	1700	<5	56
C14-C15, mg/kg	72	12	1600	<5	70
C16-C17, mg/kg	73	16	1600	<5	120
C18-C19, mg/kg	85	19	1500	<5	160
C20-C23, mg/kg	120	43	2300	<5	310
C24-C27, mg/kg	100	67	1900	<5	540
C28-C31, mg/kg	100	50	2000	<5	560
C32-C35, mg/kg	77	57	1400	<5	800
C36-C39, mg/kg	49	50	840	<5	920
C40-C43, mg/kg	<10	38	<300	<5	710
C44+, mg/kg	<10	13	<300	<5	180
Total Hydrocarbon Matrix, mg/kg	790	370	16000	<50	4400
Other Simulated Distillation (D2887)	---	---	---	---	---
Surrogates **					
Naphthalene Reported, mg/kg	6.38	7.57	0 NC	9.99	0 NC
Naphthalene Theoretical, mg/kg	10.0	10.0	10.0	10.0	10.0
o-Terphenyl Reported, mg/kg	7.98	7.48	0 NC	9.42	0 NC
o-Terphenyl Theoretical, mg/kg	10.0	10.0	10.0	10.0	10.0

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-24	WDI-TS-134-11.3-12	03 DEC 97
12-103-25	WDI-TS-135-2.4-3.6	03 DEC 97
12-103-26	WDI-TS-135-12-13	03 DEC 97

PARAMETER	12-103-24	12-103-25	12-103-26
Digestion (3050A), Date	12/10/97	12/10/97	12/10/97
Furnace Digestion (3050), Date	12/10/97	12/10/97	12/10/97
Pesticides			
PCBs			
Arsenic (7060), mg/kg	5.4	5.0	40
Antimony (6010), mg/kg	<10	<10	<10
Barium (6010), mg/kg	1100	390	1300
Beryllium (6010), mg/kg	0.31	0.38	0.23
Cadmium (6010), mg/kg	<1	<1	5.1
Chromium (6010), mg/kg	21	15	40
Cobalt (6010), mg/kg	7.9	7.8	6.4
Copper (6010), mg/kg	34	22	61
Lead (6010), mg/kg	260	62	450
Mercury (7471), mg/kg	0.17	0.16	<0.1
Molybdenum (6010), mg/kg	5.9	<2	6.2
Nickel (6010), mg/kg	17	13	18
Selenium (7740), mg/kg	<0.4	<0.4	<0.4
Silver (6010), mg/kg	<1	<1	<1
Thallium (6010), mg/kg	<7	<7	<7
Vanadium (6010), mg/kg	25	25	12
Zinc (6010), mg/kg	470	76	260
Aluminum (6010), mg/kg	5900	6700	3500
Calcium (6010), mg/kg	17000	17000	16000
Iron (6010), mg/kg	15000	14000	9700

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-24	WDI-TS-134-11.3-12	03 DEC 97
12-103-25	WDI-TS-135-2.4-3.6	03 DEC 97
12-103-26	WDI-TS-135-12-13	03 DEC 97

PARAMETER	12-103-24	12-103-25	12-103-26
Semi-volatiles (8270)			
Date Analyzed	12/19/97	12/26/97	12/17/97
Date Extracted	12/05/97	12/05/97	12/05/97
Dilution Factor, Times	25	25	25
1,2,4-Trichlorobenzene, mg/kg	<5	<5	<5
1,2-Dichlorobenzene, mg/kg	<5	<5	<5
1,2-Diphenylhydrazine, mg/kg	<5	<5	<5
1,3-Dichlorobenzene, mg/kg	<5	<5	<5
1,4-Dichlorobenzene, mg/kg	<5	<5	<5
2,4,5-Trichlorophenol, mg/kg	<5	<5	<5
2,4,6-Trichlorophenol, mg/kg	<5	<5	<5
2,4-Dichlorophenol, mg/kg	<5	<5	<5
2,4-Dimethylphenol, mg/kg	<5	<5	<5
2,4-Dinitrophenol, mg/kg	<10	<10	<10
2,4-Dinitrotoluene, mg/kg	<5	<5	<5
2,6-Dinitrotoluene, mg/kg	<5	<5	<5
2-Chloronaphthalene, mg/kg	<5	<5	<5
2-Chlorophenol, mg/kg	<5	<5	<5
2-Methyl-4,6-dinitrophenol, mg/kg	<10	<10	<10
2-Methylnaphthalene, mg/kg	<5	<5	33
2-Methylphenol (o-Cresol), mg/kg	<5	<5	<5
2-Nitroaniline, mg/kg	<5	<5	<5
2-Nitrophenol, mg/kg	<5	<5	<5
3,3'-Dichlorobenzidine, mg/kg	<20	<20	<20
3-Nitroaniline, mg/kg	<5	<5	<5

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-24	WDI-TS-134-11.3-12	03 DEC 97
12-103-25	WDI-TS-135-2.4-3.6	03 DEC 97
12-103-26	WDI-TS-135-12-13	03 DEC 97

PARAMETER	12-103-24	12-103-25	12-103-26
4-Bromophenylphenylether, mg/kg	<5	<5	<5
4-Chloro-3-methylphenol, mg/kg	<5	<5	<5
4-Chloroaniline, mg/kg	<5	<5	<5
4-Chlorophenylphenylether, mg/kg	<5	<5	<5
4-Methylphenol (p-Cresol), mg/kg	<10	<10	<10
4-Nitroaniline, mg/kg	<5	<5	<5
4-Nitrophenol, mg/kg	<10	<10	<10
Acenaphthene, mg/kg	<5	<5	<5
Acenaphthylene, mg/kg	<5	<5	<5
Aniline, mg/kg	<5	<5	<5
Anthracene, mg/kg	<5	<5	<5
Benzidine, mg/kg	<100	<100	<100
Benzo(a)anthracene, mg/kg	<5	<5	<5
Benzo(a)pyrene, mg/kg	<5	<5	<5
Benzo(b)fluoranthene, mg/kg	<5	<5	<5
Benzo(g,h,i)perylene, mg/kg	<5	<5	<5
Benzo(k)fluoranthene, mg/kg	<5	<5	<5
Benzyl Alcohol, mg/kg	<10	<10	<10
Benzoic acid, mg/kg	<50	<50	<50
Butylbenzylphthalate, mg/kg	<5	<5	<5
Chrysene, mg/kg	<5	<5	<5
Di-n-octylphthalate, mg/kg	<5	<5	<5
Dibenzo(a,h)anthracene, mg/kg	<5	<5	<5
Dibenzofuran, mg/kg	<5	<5	<5
Dibutylphthalate, mg/kg	<5	<5	<5

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-24	WDI-TS-134-11.3-12	03 DEC 97
12-103-25	WDI-TS-135-2.4-3.6	03 DEC 97
12-103-26	WDI-TS-135-12-13	03 DEC 97

PARAMETER	12-103-24	12-103-25	12-103-26
Diethylphthalate, mg/kg	<5	<5	<5
Dimethylphthalate, mg/kg	<5	<5	<5
Fluoranthene, mg/kg	<5	<5	<5
Fluorene, mg/kg	<5	<5	<5
Hexachlorobenzene, mg/kg	<5	<5	<5
Hexachlorobutadiene, mg/kg	<5	<5	<5
Hexachlorocyclopentadiene, mg/kg	<10	<10	<10
Hexachloroethane, mg/kg	<5	<5	<5
Indeno(1,2,3-c,d)pyrene, mg/kg	<5	<5	<5
Isophorone, mg/kg	<5	<5	<5
N-Nitrosodimethylamine, mg/kg	<5	<5	<5
N-Nitrosodiphenylamine, mg/kg	<5	<5	<5
N-Nitrosodi-n-propylamine, mg/kg	<5	<5	<5
Nitrobenzene, mg/kg	<5	<5	<5
Naphthalene, mg/kg	<5	<5	12
Phenanthrene, mg/kg	<5	<5	8.3
Phenol, mg/kg	<5	<5	<5
Pentachlorophenol, mg/kg	<10	<10	<10
Pyrene, mg/kg	<5	<5	<5
Pyridine, mg/kg	<10	<10	<10
Bis(2-chloroethoxy)methane, mg/kg	<5	<5	<5
Bis(2-chloroethyl)ether, mg/kg	<5	<5	<5
Bis(2-chloroisopropyl)ether, mg/kg	<5	<5	<5
Bis(2-ethylhexyl)phthalate, mg/kg	<10	<10	<10
Surrogates **			

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-24	WDI-TS-134-11.3-12	03 DEC 97
12-103-25	WDI-TS-135-2.4-3.6	03 DEC 97
12-103-26	WDI-TS-135-12-13	03 DEC 97

PARAMETER	12-103-24	12-103-25	12-103-26
2-Fluorobiphenyl Reported, mg/kg	0 NC	0 NC	0 NC
2-Fluorobiphenyl Theo., mg/kg	1.67	1.67	1.67
2-Fluorophenol Reported, mg/kg	0 NC	0 NC	0 NC
2-Fluorophenol Theoretical, mg/kg	2.50	2.50	2.50
2,4,6-Tribromophenol Rep., mg/kg	0 NC	0 NC	0 NC
2,4,6-Tribromophenol Theo., mg/kg	2.50	2.50	2.50
Nitrobenzene-d5 Reported, mg/kg	0 NC	0 NC	0 NC
Nitrobenzene-d5 Theoretical, mg/kg	1.67	1.67	1.67
Phenol-d5 Reported, mg/kg	0 NC	0 NC	0 NC
Phenol-d5 Theoretical, mg/kg	2.50	2.50	2.50
Terphenyl-d14 Reported, mg/kg	0 NC	0 NC	0 NC
Terphenyl-d14 Theoretical, mg/kg	1.67	1.67	1.67

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-24	WDI-TS-134-11.3-12	03 DEC 97
12-103-25	WDI-TS-135-2.4-3.6	03 DEC 97
12-103-26	WDI-TS-135-12-13	03 DEC 97

PARAMETER	12-103-24	12-103-25	12-103-26
Simulated Distillation (D2887)			
Sample Amount, g	10G	10G	10G
Extract Volume, mL	10ML	10ML	10ML
Dilution Factor, Times	10	10	1
C10-C11, mg/kg	<50	<50	2500
C12-C13, mg/kg	110	<50	3600
C14-C15, mg/kg	130	<50	3600
C16-C17, mg/kg	160	<50	3500
C18-C19, mg/kg	210	75	6800
C20-C23, mg/kg	420	200	5200
C24-C27, mg/kg	540	330	4100
C28-C31, mg/kg	390	260	3900
C32-C35, mg/kg	450	320	2900
C36-C39, mg/kg	410	350	1900
C40-C43, mg/kg	270	260	<5
C44+, mg/kg	84	89	<5
Total Hydrocarbon Matrix, mg/kg	3200	1900	38000
Other Simulated Distillation (D2887)	---	---	---
Surrogates **			
Naphthalene Reported, mg/kg	0 NC	0 NC	0 NC
Naphthalene Theoretical, mg/kg	10.0	10.0	10.0
o-Terphenyl Reported, mg/kg	0 NC	0 NC	0 NC
o-Terphenyl Theoretical, mg/kg	10.0	10.0	10.0

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-27	WDI-TS-130-4.10B	03 DEC 97
12-103-28	WDI-TS-130-13B	03 DEC 97
12-103-29	WDI-TS-131-3.8B	03 DEC 97
12-103-30	WDI-TS-132-3.10B	03 DEC 97
12-103-31	WDI-TS-132-11B	03 DEC 97

PARAMETER	12-103-27	12-103-28	12-103-29	12-103-30	12-103-31
Sample Held, Not Analyzed					

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-32	WDI-TS-132-18B	03 DEC 97
12-103-33	WDI-TS-133-4.8B	03 DEC 97
12-103-34	WDI-TS-133-11.2B	03 DEC 97
12-103-35	WDI-TS-133-19.3B	03 DEC 97
12-103-36	WDI-TS-134-3.8B	03 DEC 97

PARAMETER	12-103-32	12-103-33	12-103-34	12-103-35	12-103-36
Sample Held, Not Analyzed					

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-37	WDI-TS-134-11.3B	03 DEC 97
12-103-38	WDI-TS-135-2.4B	03 DEC 97
12-103-39	WDI-TS-135-13B	03 DEC 97

PARAMETER	12-103-37	12-103-38	12-103-39
Sample Held, Not Analyzed			

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
12-103-40	Trip Blank	03 DEC 97

PARAMETER	12-103-40
Volatile Organics (8260A)	
Date Analyzed	12/17/97
Dilution Factor, Times	1
1,1,1-Trichloroethane, ug/L	<0.5
1,1,2,2-Tetrachloroethane, ug/L	<0.5
1,1,2-Trichloroethane, ug/L	<0.5
1,1-Dichloroethane, ug/L	<0.5
1,1-Dichloroethene, ug/L	<0.5
1,2-Dibromoethane, ug/L	<0.5
1,2-Dichloroethane, ug/L	<0.5
1,2-Dichloropropane, ug/L	<0.5
2-Chloroethylvinylether, ug/L	<4
2-Hexanone, ug/L	<5
Acetone, ug/L	<10
Bromodichloromethane, ug/L	<0.5
Bromomethane, ug/L	<0.5
Benzene, ug/L	<0.5
Bromoform, ug/L	<0.5
Carbon Tetrachloride, ug/L	<0.5
Chloroethane, ug/L	<0.5
Chloroform, ug/L	<0.5
Chloromethane, ug/L	<1
Carbon Disulfide, ug/L	<2
Dibromochloromethane, ug/L	<0.5
Methyl ethyl ketone, ug/L	<10
Methyl isobutyl ketone, ug/L	<4
Methylene chloride, ug/L	<2

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
12-103-40	Trip Blank	03 DEC 97

PARAMETER	12-103-40
Trichloroethene, ug/L	<0.5
Tetrachloroethene, ug/L	<0.5
Vinyl acetate, ug/L	<5
Vinyl chloride, ug/L	<0.5
cis-1,2-Dichloroethene, ug/L	<0.5
cis-1,3-Dichloropropene, ug/L	<0.5
trans-1,2-Dichloroethene, ug/L	<0.5
trans-1,3-Dichloropropene, ug/L	<0.5
Surrogates **	
4-Bromofluorobenzene Rep., ug/L	52.8
4-Bromofluorobenzene Theo., ug/L	50.0
Toluene-d8 Reported, ug/L	55.8
Toluene-d8 Theo., ug/L	50.0
Dibromofluoromethane Rep., ug/L	38.6
Dibromofluoromethane Theo., ug/L	50.0

Greta Galoustian, Laboratory Director

The analytical results within this report relate only to the specific compounds and samples investigated and may not necessarily reflect other apparently similar material from the same or a similar location.

This report shall not be reproduced, except in full, without the written approval of VOC. No use of this report for promotional or advertising purposes is permitted without prior written VOC approval.

ANALYTICAL REPORT

LOG NO: G97-12-146

Received: 04 DEC 97

Mailed:

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-146-1	WDI-TS-136-2.6A	04 DEC 97
12-146-2	WDI-TS-136-13A	04 DEC 97
12-146-3	WDI-TS-136-18A	04 DEC 97
12-146-4	WDI-TS-137-3.15A	04 DEC 97
12-146-5	WDI-TS-137-11A	04 DEC 97

PARAMETER	12-146-1	12-146-2	12-146-3	12-146-4	12-146-5
Volatile Organics (8260A)					
Date Analyzed	12/16/97	12/17/97	12/17/97	12/17/97	12/21/97
Dilution Factor, Times	100	100	100	100	100
1,1,1-Trichloroethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
2-Chloroethylvinylether, mg/kg	<4	<4	<4	<4	<4
2-Hexanone, mg/kg	<5	<5	<5	<5	<5
Acetone, mg/kg	<10	<10	<10	<10	<10
Bromodichloromethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Bromomethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Bromoform, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Carbon Tetrachloride, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Carbon Disulfide, mg/kg	<1	<1	<1	<1	<1
Dibromochloromethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5

LOG NO: G97-12-146

Received: 04 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-146-1	WDI-TS-136-2.6A	04 DEC 97
12-146-2	WDI-TS-136-13A	04 DEC 97
12-146-3	WDI-TS-136-18A	04 DEC 97
12-146-4	WDI-TS-137-3.15A	04 DEC 97
12-146-5	WDI-TS-137-11A	04 DEC 97

PARAMETER	12-146-1	12-146-2	12-146-3	12-146-4	12-146-5
Methyl ethyl ketone, mg/kg	<3	<3	<3	<3	<3
Methyl isobutyl ketone, mg/kg	<3	<3	<3	<3	<3
Methylene chloride, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl acetate, mg/kg	<5	<5	<5	<5	<5
Vinyl chloride, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Other Volatile Organics (8260A)	---	---	---	---	---
Surrogates **					
4-Bromofluorobenzene Rep., mg/kg	5.24	4.94	4.65	5.49	4.49
4-Bromofluorobenzene Theo., mg/kg	5.00	5.00	5.00	5.00	5.00
Toluene-d8 Reported, mg/kg	5.79	5.81	5.46	5.79	4.92
Toluene-d8 Theo., mg/kg	5.00	5.00	5.00	5.00	5.00
Dibromofluoromethane Rep., mg/kg	5.11	4.51	5.04	5.14	4.48
Dibromofluoromethane Theo., mg/kg	5.00	5.00	5.00	5.00	5.00

LOG NO: G97-12-146

Received: 04 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-146-6	WDI-TS-137-32.2A	04 DEC 97
12-146-7	WDI-TS-138-3.9A	04 DEC 97
12-146-8	WDI-TS-138-13.4A	04 DEC 97
12-146-9	WDI-TS-138-24.6A	04 DEC 97
12-146-10	WDI-TS-138-A	04 DEC 97

PARAMETER	12-146-6	12-146-7	12-146-8	12-146-9	12-146-10
Volatile Organics (8260A)					
Date Analyzed	12/21/97	12/21/97	12/21/97	12/21/97	12/21/97
Dilution Factor, Times	100	100	100	100	100
1,1,1-Trichloroethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
2-Chloroethylvinylether, mg/kg	<4	<4	<4	<4	<4
2-Hexanone, mg/kg	<5	<5	<5	<5	<5
Acetone, mg/kg	<10	<10	<10	<10	<10
Bromodichloromethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Bromomethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzene, mg/kg	<0.5	<0.5	<0.5	<0.5	1.1
Bromoform, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Carbon Tetrachloride, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Carbon Disulfide, mg/kg	<1	<1	<1	<1	<1

LOG NO: G97-12-146

Received: 04 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-146-6	WDI-TS-137-32.2A	04 DEC 97
12-146-7	WDI-TS-138-3.9A	04 DEC 97
12-146-8	WDI-TS-138-13.4A	04 DEC 97
12-146-9	WDI-TS-138-24.6A	04 DEC 97
12-146-10	WDI-TS-138-A	04 DEC 97

PARAMETER	12-146-6	12-146-7	12-146-8	12-146-9	12-146-10
Dibromochloromethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Methyl ethyl ketone, mg/kg	<3	<3	<3	<3	<3
Methyl isobutyl ketone, mg/kg	<3	<3	<3	<3	<3
Methylene chloride, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl acetate, mg/kg	<5	<5	<5	<5	<5
Vinyl chloride, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Other Volatile Organics (8260A)	---	---	---	---	---
Surrogates **					
4-Bromofluorobenzene Rep., mg/kg	5.47	4.44	4.73	4.58	4.63
4-Bromofluorobenzene Theo., mg/kg	5.00	5.00	5.00	5.00	5.00
Toluene-d8 Reported, mg/kg	5.71	5.06	4.90	4.59	5.27
Toluene-d8 Theo., mg/kg	5.00	5.00	5.00	5.00	5.00
Dibromofluoromethane Rep., mg/kg	5.23	4.58	4.44	4.24	4.43
Dibromofluoromethane Theo., mg/kg	5.00	5.00	5.00	5.00	5.00

LOG NO: G97-12-146

Received: 04 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-146-11	WDI-TS-136-2.6-3.3	04 DEC 97
12-146-12	WDI-TS-136-12-13	04 DEC 97
12-146-13	WDI-TS-136-18-19	04 DEC 97
12-146-14	WDI-TS-137-3.15-4	04 DEC 97
12-146-15	WDI-TS-137-10-11	04 DEC 97

PARAMETER	12-146-11	12-146-12	12-146-13	12-146-14	12-146-15
Digestion (3050A), Date	12/10/97	12/10/97	12/10/97	12/10/97	12/10/97
Furnace Digestion (3050), Date	12/10/97	12/10/97	12/10/97	12/10/97	12/10/97
Pesticides					
PCBs					
Arsenic (7060), mg/kg	3.0	1.5	12	3.8	1.4
Antimony (6010), mg/kg	<10	<10	<10	<10	<10
Barium (6010), mg/kg	130	310	130	770	190
Beryllium (6010), mg/kg	0.34	0.30	0.45	0.33	0.28
Cadmium (6010), mg/kg	<1	<1	<1	<1	<1
Chromium (6010), mg/kg	13	17	17	24	17
Cobalt (6010), mg/kg	5.3	10	13	7.5	5.1
Copper (6010), mg/kg	18	26	26	29	21
Lead (6010), mg/kg	31	24	<5	60	54
Mercury (7471), mg/kg	<0.1	0.37	<0.1	<0.1	<0.1
Molybdenum (6010), mg/kg	<2	2.0	<2	2.3	<2
Nickel (6010), mg/kg	9.6	18	15	20	13
Selenium (7740), mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Silver (6010), mg/kg	<1	<1	<1	<1	<1
Thallium (6010), mg/kg	<7	<7	<7	<7	<7
Vanadium (6010), mg/kg	21	24	40	20	16
Zinc (6010), mg/kg	90	87	52	260	160
Aluminum (6010), mg/kg	6400	6600	9000	6200	6100
Calcium (6010), mg/kg	70000	11000	3300	16000	26000

LOG NO: G97-12-146

Received: 04 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-146-11	WDI-TS-136-2.6-3.3	04 DEC 97
12-146-12	WDI-TS-136-12-13	04 DEC 97
12-146-13	WDI-TS-136-18-19	04 DEC 97
12-146-14	WDI-TS-137-3.15-4	04 DEC 97
12-146-15	WDI-TS-137-10-11	04 DEC 97

PARAMETER	12-146-11	12-146-12	12-146-13	12-146-14	12-146-15
Iron (6010), mg/kg	12000	19000	20000	16000	13000

LOG NO: G97-12-146

Received: 04 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-146-11	WDI-TS-136-2.6-3.3	04 DEC 97
12-146-12	WDI-TS-136-12-13	04 DEC 97
12-146-13	WDI-TS-136-18-19	04 DEC 97
12-146-14	WDI-TS-137-3.15-4	04 DEC 97
12-146-15	WDI-TS-137-10-11	04 DEC 97

PARAMETER	12-146-11	12-146-12	12-146-13	12-146-14	12-146-15
Semi-volatiles (8270)					
Date Analyzed	12/12/97	12/15/97	12/12/97	12/12/97	12/12/97
Date Extracted	12/09/97	12/09/97	12/09/97	12/09/97	12/09/97
Dilution Factor, Times	10	100	1	10	10
1,2,4-Trichlorobenzene, mg/kg	<2	<20	<0.2	<2	<2
1,2-Dichlorobenzene, mg/kg	<2	<20	<0.2	<2	<2
1,2-Diphenylhydrazine, mg/kg	<2	<20	<0.2	<2	<2
1,3-Dichlorobenzene, mg/kg	<2	<20	<0.2	<2	<2
1,4-Dichlorobenzene, mg/kg	<2	<20	<0.2	<2	<2
2,4,5-Trichlorophenol, mg/kg	<2	<20	<0.2	<2	<2
2,4,6-Trichlorophenol, mg/kg	<2	<20	<0.2	<2	<2
2,4-Dichlorophenol, mg/kg	<2	<20	<0.2	<2	<2
2,4-Dimethylphenol, mg/kg	<2	<20	<0.2	<2	<2
2,4-Dinitrophenol, mg/kg	<4	<40	<0.4	<4	<4
2,4-Dinitrotoluene, mg/kg	<2	<20	<0.2	<2	<2
2,6-Dinitrotoluene, mg/kg	<2	<20	<0.2	<2	<2
2-Chloronaphthalene, mg/kg	<2	<20	<0.2	<2	<2
2-Chlorophenol, mg/kg	<2	<20	<0.2	<2	<2
2-Methyl-4,6-dinitrophenol, mg/kg	<4	<40	<0.4	<4	<4
2-Methylnaphthalene, mg/kg	<2	74	<0.2	<2	<2
2-Methylphenol (o-Cresol), mg/kg	<2	<20	<0.2	<2	<2
2-Nitroaniline, mg/kg	<2	<20	<0.2	<2	<2
2-Nitrophenol, mg/kg	<2	<20	<0.2	<2	<2

LOG NO: G97-12-146

Received: 04 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-146-11	WDI-TS-136-2.6-3.3	04 DEC 97
12-146-12	WDI-TS-136-12-13	04 DEC 97
12-146-13	WDI-TS-136-18-19	04 DEC 97
12-146-14	WDI-TS-137-3.15-4	04 DEC 97
12-146-15	WDI-TS-137-10-11	04 DEC 97

PARAMETER	12-146-11	12-146-12	12-146-13	12-146-14	12-146-15
3,3'-Dichlorobenzidine, mg/kg	<6	<60	<0.6	<6	<6
3-Nitroaniline, mg/kg	<2	<20	<0.2	<2	<2
4-Bromophenylphenylether, mg/kg	<2	<20	<0.2	<2	<2
4-Chloro-3-methylphenol, mg/kg	<2	<20	<0.2	<2	<2
4-Chloroaniline, mg/kg	<2	<20	<0.2	<2	<2
4-Chlorophenylphenylether, mg/kg	<2	<20	<0.2	<2	<2
4-Methylphenol (p-Cresol), mg/kg	<4	<40	<0.4	<4	<4
4-Nitroaniline, mg/kg	<2	<20	<0.2	<2	<2
4-Nitrophenol, mg/kg	<4	<40	<0.4	<4	<4
Acenaphthene, mg/kg	<2	<20	<0.2	<2	<2
Acenaphthylene, mg/kg	<2	<20	<0.2	<2	<2
Aniline, mg/kg	<2	<20	<0.2	<2	<2
Anthracene, mg/kg	<2	<20	<0.2	<2	<2
Benzidine, mg/kg	<40	<400	<4	<40	<40
Benzo(a)anthracene, mg/kg	<2	<20	<0.2	<2	<2
Benzo(a)pyrene, mg/kg	<2	<20	<0.2	<2	<2
Benzo(b)fluoranthene, mg/kg	<2	<20	<0.2	<2	<2
Benzo(g,h,i)perylene, mg/kg	<2	<20	<0.2	<2	<2
Benzo(k)fluoranthene, mg/kg	<2	<20	<0.2	<2	<2
Benzyl Alcohol, mg/kg	<4	<40	<0.4	<4	<4
Benzoic acid, mg/kg	<20	<200	<2	<20	<20
Butylbenzylphthalate, mg/kg	<2	<20	<0.2	<2	<2
Chrysene, mg/kg	<2	<20	<0.2	<2	<2

LOG NO: G97-12-146

Received: 04 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-146-11	WDI-TS-136-2.6-3.3	04 DEC 97
12-146-12	WDI-TS-136-12-13	04 DEC 97
12-146-13	WDI-TS-136-18-19	04 DEC 97
12-146-14	WDI-TS-137-3.15-4	04 DEC 97
12-146-15	WDI-TS-137-10-11	04 DEC 97

PARAMETER	12-146-11	12-146-12	12-146-13	12-146-14	12-146-15
Di-n-octylphthalate, mg/kg	<2	<20	<0.2	<2	<2
Dibenzo(a,h)anthracene, mg/kg	<2	<20	<0.2	<2	<2
Dibenzofuran, mg/kg	<2	<20	<0.2	<2	<2
Dibutylphthalate, mg/kg	<2	<20	<0.2	<2	<2
Diethylphthalate, mg/kg	<2	<20	<0.2	<2	<2
Dimethylphthalate, mg/kg	<2	<20	<0.2	<2	<2
Fluoranthene, mg/kg	2.3	<20	<0.2	<2	<2
Fluorene, mg/kg	<2	<20	<0.2	<2	<2
Hexachlorobenzene, mg/kg	<2	<20	<0.2	<2	<2
Hexachlorobutadiene, mg/kg	<2	<20	<0.2	<2	<2
Hexachlorocyclopentadiene, mg/kg	<4	<40	<0.4	<4	<4
Hexachloroethane, mg/kg	<2	<20	<0.2	<2	<2
Indeno(1,2,3-c,d)pyrene, mg/kg	<2	<20	<0.2	<2	<2
Isophorone, mg/kg	<2	<20	<0.2	<2	<2
N-Nitrosodimethylamine, mg/kg	<2	<20	<0.2	<2	<2
N-Nitrosodiphenylamine, mg/kg	<2	<20	<0.2	<2	<2
N-Nitrosodi-n-propylamine, mg/kg	<2	<20	<0.2	<2	<2
Nitrobenzene, mg/kg	<2	<20	<0.2	<2	<2
Naphthalene, mg/kg	<2	31	<0.2	<2	<2
Phenanthrene, mg/kg	4.0	20	<0.2	<2	<2
Phenol, mg/kg	<2	<20	<0.2	<2	<2
Pentachlorophenol, mg/kg	<4	<40	<0.4	<4	<4
Pyrene, mg/kg	7.3	<20	<0.2	<2	<2

LOG NO: G97-12-146

Received: 04 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-146-11	WDI-TS-136-2.6-3.3	04 DEC 97
12-146-12	WDI-TS-136-12-13	04 DEC 97
12-146-13	WDI-TS-136-18-19	04 DEC 97
12-146-14	WDI-TS-137-3.15-4	04 DEC 97
12-146-15	WDI-TS-137-10-11	04 DEC 97

PARAMETER	12-146-11	12-146-12	12-146-13	12-146-14	12-146-15
Pyridine, mg/kg	<4	<40	<0.4	<4	<4
Bis(2-chloroethoxy)methane, mg/kg	<2	<20	<0.2	<2	<2
Bis(2-chloroethyl)ether, mg/kg	<2	<20	<0.2	<2	<2
Bis(2-chloroisopropyl)ether, mg/kg	<2	<20	<0.2	<2	<2
Bis(2-ethylhexyl)phthalate, mg/kg	<4	<40	<0.4	<4	<4
Surrogates **					
2-Fluorobiphenyl Reported, mg/kg	0 NC	0 NC	1.66	0 NC	0 NC
2-Fluorobiphenyl Theo., mg/kg	1.67	1.67	1.67	1.67	1.67
2-Fluorophenol Reported, mg/kg	0 NC	0 NC	2.05	0 NC	0 NC
2-Fluorophenol Theoretical, mg/kg	2.50	2.50	2.50	2.50	2.50
2,4,6-Tribromophenol Rep., mg/kg	0 NC	0 NC	2.59	0 NC	0 NC
2,4,6-Tribromophenol Theo., mg/kg	2.50	2.50	2.50	2.50	2.50
Nitrobenzene-d5 Reported, mg/kg	0 NC	0 NC	1.64	0 NC	0 NC
Nitrobenzene-d5 Theoretical, mg/kg	1.67	1.67	1.67	1.67	1.67
Phenol-d5 Reported, mg/kg	0 NC	0 NC	2.27	0 NC	0 NC
Phenol-d5 Theoretical, mg/kg	2.50	2.50	2.50	2.50	2.50
Terphenyl-d14 Reported, mg/kg	0 NC	0 NC	1.44	0 NC	0 NC
Terphenyl-d14 Theoretical, mg/kg	1.67	1.67	1.67	1.67	1.67

LOG NO: G97-12-146

Received: 04 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-146-11	WDI-TS-136-2.6-3.3	04 DEC 97
12-146-12	WDI-TS-136-12-13	04 DEC 97
12-146-13	WDI-TS-136-18-19	04 DEC 97
12-146-14	WDI-TS-137-3.15-4	04 DEC 97
12-146-15	WDI-TS-137-10-11	04 DEC 97

PARAMETER	12-146-11	12-146-12	12-146-13	12-146-14	12-146-15
Simulated Distillation (D2887)					
Sample Amount, g	10G	10G	10G	10G	10G
Extract Volume, mL	10ML	10ML	10ML	10ML	10ML
Dilution Factor, Times	10	100	1	10	2
C10-C11, mg/kg	<50	1000	<5	<50	<10
C12-C13, mg/kg	53	2100	<5	<50	22
C14-C15, mg/kg	90	2900	<5	<50	34
C16-C17, mg/kg	130	3500	<5	<50	36
C18-C19, mg/kg	170	3800	<5	<50	66
C20-C23, mg/kg	350	6000	<5	73	58
C24-C27, mg/kg	330	4800	<5	250	58
C28-C31, mg/kg	320	4600	<5	550	45
C32-C35, mg/kg	220	3100	<5	530	35
C36-C39, mg/kg	150	2000	<5	580	12
C40-C43, mg/kg	<50	<500	<5	420	<10
C44+, mg/kg	<50	<500	<5	<50	<10
Total Hydrocarbon Matrix, mg/kg	1800	34000	<50	2400	370
Other Simulated Distillation (D2887)	---	---	---	---	---
Surrogates **					
Naphthalene Reported, mg/kg	0 NC	0 NC	7.20	0 NC	7.01
Naphthalene Theoretical, mg/kg	10.0	10.0	10.0	10.0	10.0
o-Terphenyl Reported, mg/kg	0 NC	0 NC	6.92	0 NC	7.43
o-Terphenyl Theoretical, mg/kg	10.0	10.0	10.0	10.0	10.0

LOG NO: G97-12-146

Received: 04 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-146-16	WDI-TS-137-32.2-33	04 DEC 97
12-146-17	WDI-TS-138-2.9-3.9	04 DEC 97
12-146-18	WDI-TS-138-12.10-13.4	04 DEC 97
12-146-19	WDI-TS-138-24.6-25.1	04 DEC 97
12-146-20	WDI-TS-138	04 DEC 97

PARAMETER	12-146-16	12-146-17	12-146-18	12-146-19	12-146-20
Digestion (3050A), Date	12/10/97	12/10/97	12/10/97	12/10/97	12/10/97
Furnace Digestion (3050), Date	12/10/97	12/10/97	12/10/97	12/10/97	12/10/97
Pesticides					
PCBs					
Arsenic (7060), mg/kg	2.3	0.55	3.8	3.1	3.7
Antimony (6010), mg/kg	<10	<10	<10	<10	<10
Barium (6010), mg/kg	36	610	350	53	390
Beryllium (6010), mg/kg	<0.1	0.42	0.28	0.10	0.30
Cadmium (6010), mg/kg	<1	<1	<1	<1	<1
Chromium (6010), mg/kg	7.0	25	15	7.4	16
Cobalt (6010), mg/kg	<4	12	8.7	4.8	9.2
Copper (6010), mg/kg	6.1	32	19	6.6	21
Lead (6010), mg/kg	<5	14	17	<5	13
Mercury (7471), mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum (6010), mg/kg	<2	<2	<2	<2	<2
Nickel (6010), mg/kg	4.5	21	11	5.2	13
Selenium (7740), mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Silver (6010), mg/kg	<1	<1	<1	<1	<1
Thallium (6010), mg/kg	<7	<7	<7	<7	<7
Vanadium (6010), mg/kg	13	35	23	17	23
Zinc (6010), mg/kg	20	300	130	22	160
Aluminum (6010), mg/kg	2800	11000	6500	3500	7000
Calcium (6010), mg/kg	1300	11000	7300	1700	6900

LOG NO: G97-12-146

Received: 04 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-146-16	WDI-TS-137-32.2-33	04 DEC 97
12-146-17	WDI-TS-138-2.9-3.9	04 DEC 97
12-146-18	WDI-TS-138-12.10-13.4	04 DEC 97
12-146-19	WDI-TS-138-24.6-25.1	04 DEC 97
12-146-20	WDI-TS-138	04 DEC 97

PARAMETER	12-146-16	12-146-17	12-146-18	12-146-19	12-146-20
Iron (6010), mg/kg	5600	21000	16000	8400	17000

LOG NO: G97-12-146

Received: 04 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-146-16	WDI-TS-137-32.2-33	04 DEC 97
12-146-17	WDI-TS-138-2.9-3.9	04 DEC 97
12-146-18	WDI-TS-138-12.10-13.4	04 DEC 97
12-146-19	WDI-TS-138-24.6-25.1	04 DEC 97
12-146-20	WDI-TS-138	04 DEC 97

PARAMETER	12-146-16	12-146-17	12-146-18	12-146-19	12-146-20
Semi-volatiles (8270)					
Date Analyzed	12/12/97	12/15/97	12/12/97	12/12/97	12/15/97
Date Extracted	12/09/97	12/09/97	12/09/97	12/09/97	12/11/97
Dilution Factor, Times	10	50	5	1	1
1,2,4-Trichlorobenzene, mg/kg	<2	<10	<1	<0.2	<0.2
1,2-Dichlorobenzene, mg/kg	<2	<10	<1	<0.2	<0.2
1,2-Diphenylhydrazine, mg/kg	<2	<10	<1	<0.2	<0.2
1,3-Dichlorobenzene, mg/kg	<2	<10	<1	<0.2	<0.2
1,4-Dichlorobenzene, mg/kg	<2	<10	<1	<0.2	<0.2
2,4,5-Trichlorophenol, mg/kg	<2	<10	<1	<0.2	<0.2
2,4,6-Trichlorophenol, mg/kg	<2	<10	<1	<0.2	<0.2
2,4-Dichlorophenol, mg/kg	<2	<10	<1	<0.2	<0.2
2,4-Dimethylphenol, mg/kg	<2	<10	<1	<0.2	<0.2
2,4-Dinitrophenol, mg/kg	<4	<20	<2	<0.4	<0.4
2,4-Dinitrotoluene, mg/kg	<2	<10	<1	<0.2	<0.2
2,6-Dinitrotoluene, mg/kg	<2	<10	<1	<0.2	<0.2
2-Chloronaphthalene, mg/kg	<2	<10	<1	<0.2	<0.2
2-Chlorophenol, mg/kg	<2	<10	<1	<0.2	<0.2
2-Methyl-4,6-dinitrophenol, mg/kg	<4	<20	<2	<0.4	<0.4
2-Methylnaphthalene, mg/kg	26	<10	<1	<0.2	0.23
2-Methylphenol (o-Cresol), mg/kg	<2	<10	<1	<0.2	<0.2
2-Nitroaniline, mg/kg	<2	<10	<1	<0.2	<0.2
2-Nitrophenol, mg/kg	<2	<10	<1	<0.2	<0.2

LOG NO: G97-12-146

Received: 04 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-146-16	WDI-TS-137-32.2-33	04 DEC 97
12-146-17	WDI-TS-138-2.9-3.9	04 DEC 97
12-146-18	WDI-TS-138-12.10-13.4	04 DEC 97
12-146-19	WDI-TS-138-24.6-25.1	04 DEC 97
12-146-20	WDI-TS-138	04 DEC 97

PARAMETER	12-146-16	12-146-17	12-146-18	12-146-19	12-146-20
3,3'-Dichlorobenzidine, mg/kg	<6	<30	<3	<0.6	<0.6
3-Nitroaniline, mg/kg	<2	<10	<1	<0.2	<0.2
4-Bromophenylphenylether, mg/kg	<2	<10	<1	<0.2	<0.2
4-Chloro-3-methylphenol, mg/kg	<2	<10	<1	<0.2	<0.2
4-Chloroaniline, mg/kg	<2	<10	<1	<0.2	<0.2
4-Chlorophenylphenylether, mg/kg	<2	<10	<1	<0.2	<0.2
4-Methylphenol (p-Cresol), mg/kg	<4	<20	<2	<0.4	<0.4
4-Nitroaniline, mg/kg	<2	<10	<1	<0.2	<0.2
4-Nitrophenol, mg/kg	<4	<20	<2	<0.4	<0.4
Acenaphthene, mg/kg	<2	<10	<1	<0.2	<0.2
Acenaphthylene, mg/kg	<2	<10	<1	<0.2	<0.2
Aniline, mg/kg	<2	<10	<1	<0.2	<0.2
Anthracene, mg/kg	<2	<10	<1	<0.2	<0.2
Benzidine, mg/kg	<40	<200	<20	<4	<4
Benzo(a)anthracene, mg/kg	<2	<10	<1	<0.2	<0.2
Benzo(a)pyrene, mg/kg	<2	<10	<1	<0.2	<0.2
Benzo(b)fluoranthene, mg/kg	<2	<10	<1	<0.2	<0.2
Benzo(g,h,i)perylene, mg/kg	<2	<10	<1	<0.2	<0.2
Benzo(k)fluoranthene, mg/kg	<2	<10	<1	<0.2	<0.2
Benzyl Alcohol, mg/kg	<4	<20	<2	<0.4	<0.4
Benzoic acid, mg/kg	<20	<100	<10	<2	<2
Butylbenzylphthalate, mg/kg	<2	<10	<1	<0.2	<0.2
Chrysene, mg/kg	<2	<10	<1	<0.2	<0.2

LOG NO: G97-12-146

Received: 04 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-146-16	WDI-TS-137-32.2-33	04 DEC 97
12-146-17	WDI-TS-138-2.9-3.9	04 DEC 97
12-146-18	WDI-TS-138-12.10-13.4	04 DEC 97
12-146-19	WDI-TS-138-24.6-25.1	04 DEC 97
12-146-20	WDI-TS-138	04 DEC 97

PARAMETER	12-146-16	12-146-17	12-146-18	12-146-19	12-146-20
Di-n-octylphthalate, mg/kg	<2	<10	<1	<0.2	<0.2
Dibenzo(a,h)anthracene, mg/kg	<2	<10	<1	<0.2	<0.2
Dibenzofuran, mg/kg	<2	<10	<1	<0.2	<0.2
Dibutylphthalate, mg/kg	<2	<10	<1	<0.2	<0.2
Diethylphthalate, mg/kg	<2	<10	<1	<0.2	<0.2
Dimethylphthalate, mg/kg	<2	<10	<1	<0.2	<0.2
Fluoranthene, mg/kg	<2	<10	<1	<0.2	<0.2
Fluorene, mg/kg	2.8	<10	<1	<0.2	<0.2
Hexachlorobenzene, mg/kg	<2	<10	<1	<0.2	<0.2
Hexachlorobutadiene, mg/kg	<2	<10	<1	<0.2	<0.2
Hexachlorocyclopentadiene, mg/kg	<4	<20	<2	<0.4	<0.4
Hexachloroethane, mg/kg	<2	<10	<1	<0.2	<0.2
Indeno(1,2,3-c,d)pyrene, mg/kg	<2	<10	<1	<0.2	<0.2
Isophorone, mg/kg	<2	<10	<1	<0.2	<0.2
N-Nitrosodimethylamine, mg/kg	<2	<10	<1	<0.2	<0.2
N-Nitrosodiphenylamine, mg/kg	<2	<10	<1	<0.2	<0.2
N-Nitrosodi-n-propylamine, mg/kg	<2	<10	<1	<0.2	<0.2
Nitrobenzene, mg/kg	<2	<10	<1	<0.2	<0.2
Naphthalene, mg/kg	11	<10	<1	<0.2	<0.2
Phenanthrene, mg/kg	5.5	<10	<1	<0.2	<0.2
Phenol, mg/kg	<2	<10	<1	<0.2	<0.2
Pentachlorophenol, mg/kg	<4	<20	<2	<0.4	<0.4
Pyrene, mg/kg	<2	<10	<1	<0.2	<0.2

LOG NO: G97-12-146

Received: 04 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-146-16	WDI-TS-137-32.2-33	04 DEC 97
12-146-17	WDI-TS-138-2.9-3.9	04 DEC 97
12-146-18	WDI-TS-138-12.10-13.4	04 DEC 97
12-146-19	WDI-TS-138-24.6-25.1	04 DEC 97
12-146-20	WDI-TS-138	04 DEC 97

PARAMETER	12-146-16	12-146-17	12-146-18	12-146-19	12-146-20
Pyridine, mg/kg	<4	<20	<2	<0.4	<0.4
Bis(2-chloroethoxy)methane, mg/kg	<2	<10	<1	<0.2	<0.2
Bis(2-chloroethyl)ether, mg/kg	<2	<10	<1	<0.2	<0.2
Bis(2-chloroisopropyl)ether, mg/kg	<2	<10	<1	<0.2	<0.2
Bis(2-ethylhexyl)phthalate, mg/kg	<4	<20	<2	<0.4	<0.4
Surrogates **					
2-Fluorobiphenyl Reported, mg/kg	0 NC	0 NC	1.67	1.78	1.47
2-Fluorobiphenyl Theo., mg/kg	1.67	1.67	1.67	1.67	1.67
2-Fluorophenol Reported, mg/kg	0 NC	0 NC	1.85	2.20	1.82
2-Fluorophenol Theoretical, mg/kg	2.50	2.50	2.50	2.50	2.50
2,4,6-Tribromophenol Rep., mg/kg	0 NC	0 NC	2.19	2.77	2.18
2,4,6-Tribromophenol Theo., mg/kg	2.50	2.50	2.50	2.50	2.50
Nitrobenzene-d5 Reported, mg/kg	0 NC	0 NC	1.68	1.71	1.43
Nitrobenzene-d5 Theoretical, mg/kg	1.67	1.67	1.67	1.67	1.67
Phenol-d5 Reported, mg/kg	0 NC	0 NC	2.08	2.38	1.98
Phenol-d5 Theoretical, mg/kg	2.50	2.50	2.50	2.50	2.50
Terphenyl-d14 Reported, mg/kg	0 NC	0 NC	1.49	1.60	1.34
Terphenyl-d14 Theoretical, mg/kg	1.67	1.67	1.67	1.67	1.67

LOG NO: G97-12-146

Received: 04 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-146-16	WDI-TS-137-32.2-33	04 DEC 97
12-146-17	WDI-TS-138-2.9-3.9	04 DEC 97
12-146-18	WDI-TS-138-12.10-13.4	04 DEC 97
12-146-19	WDI-TS-138-24.6-25.1	04 DEC 97
12-146-20	WDI-TS-138	04 DEC 97

PARAMETER	12-146-16	12-146-17	12-146-18	12-146-19	12-146-20
Simulated Distillation (D2887)					
Sample Amount, g	10G	10G	10G	10G	10G
Extract Volume, mL	10ML	10ML	10ML	10ML	10ML
Dilution Factor, Times	50	10	1	1	2
C10-C11, mg/kg	300	<50	9.8	<5	38
C12-C13, mg/kg	770	<50	18	<5	52
C14-C15, mg/kg	850	<50	16	<5	52
C16-C17, mg/kg	850	<50	17	<5	50
C18-C19, mg/kg	800	83	16	<5	92
C20-C23, mg/kg	1200	240	30	<5	79
C24-C27, mg/kg	1000	360	28	<5	82
C28-C31, mg/kg	1000	590	31	<5	65
C32-C35, mg/kg	780	500	41	<5	47
C36-C39, mg/kg	460	490	<5	<5	<10
C40-C43, mg/kg	<300	420	<5	<5	<10
C44+, mg/kg	<300	<50	<5	<5	<10
Total Hydrocarbon Matrix, mg/kg	8000	2700	210	<50	560
Other Simulated Distillation (D2887)	---	---	---	---	---
Surrogates **					
Naphthalene Reported, mg/kg	0 NC	0 NC	9.05	6.73	8.84
Naphthalene Theoretical, mg/kg	10.0	10.0	10.0	10.0	10.0
o-Terphenyl Reported, mg/kg	0 NC	0 NC	7.83	6.79	7.76
o-Terphenyl Theoretical, mg/kg	10.0	10.0	10.0	10.0	10.0

LOG NO: G97-12-146

Received: 04 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
12-146-21	WDI-TS-137-8-10	04 DEC 97

PARAMETER	12-146-21
Volatile Organics (8260A)	
Date Analyzed	12/18/97
Dilution Factor, Times	1
1,1,1-Trichloroethane, ug/L	<0.5
1,1,2,2-Tetrachloroethane, ug/L	<0.5
1,1,2-Trichloroethane, ug/L	<0.5
1,1-Dichloroethane, ug/L	<0.5
1,1-Dichloroethene, ug/L	<0.5
1,2-Dibromoethane, ug/L	<0.5
1,2-Dichloroethane, ug/L	<0.5
1,2-Dichloropropane, ug/L	<0.5
2-Chloroethylvinylether, ug/L	<4
2-Hexanone, ug/L	<5
Acetone, ug/L	<10
Bromodichloromethane, ug/L	<0.5
Bromomethane, ug/L	<0.5
Benzene, ug/L	<0.5
Bromoform, ug/L	<0.5
Carbon Tetrachloride, ug/L	<0.5
Chloroethane, ug/L	<0.5
Chloroform, ug/L	<0.5
Chloromethane, ug/L	<1
Carbon Disulfide, ug/L	<2
Dibromochloromethane, ug/L	<0.5
Methyl ethyl ketone, ug/L	<10
Methyl isobutyl ketone, ug/L	<4
Methylene chloride, ug/L	<2

LOG NO: G97-12-146

Received: 04 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
12-146-21	WDI-TS-137-8-10	04 DEC 97

PARAMETER	12-146-21
Trichloroethene, ug/L	<0.5
Tetrachloroethene, ug/L	<0.5
Vinyl acetate, ug/L	<5
Vinyl chloride, ug/L	<0.5
cis-1,2-Dichloroethene, ug/L	<0.5
cis-1,3-Dichloropropene, ug/L	<0.5
trans-1,2-Dichloroethene, ug/L	<0.5
trans-1,3-Dichloropropene, ug/L	<0.5
Surrogates **	
4-Bromofluorobenzene Rep., ug/L	59.7
4-Bromofluorobenzene Theo., ug/L	50.0
Toluene-d8 Reported, ug/L	53.0
Toluene-d8 Theo., ug/L	50.0
Dibromofluoromethane Rep., ug/L	36.5
Dibromofluoromethane Theo., ug/L	50.0

LOG NO: G97-12-146

Received: 04 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
12-146-22	Trip Blank	04 DEC 97

PARAMETER	12-146-22
Volatile Organics (8260A)	
Date Analyzed	12/18/97
Dilution Factor, Times	1
1,1,1-Trichloroethane, ug/L	<0.5
1,1,2,2-Tetrachloroethane, ug/L	<0.5
1,1,2-Trichloroethane, ug/L	<0.5
1,1-Dichloroethane, ug/L	<0.5
1,1-Dichloroethene, ug/L	<0.5
1,2-Dibromoethane, ug/L	<0.5
1,2-Dichloroethane, ug/L	<0.5
1,2-Dichloropropane, ug/L	<0.5
2-Chloroethylvinylether, ug/L	<4
2-Hexanone, ug/L	<5
Acetone, ug/L	<10
Bromodichloromethane, ug/L	<0.5
Bromomethane, ug/L	<0.5
Benzene, ug/L	<0.5
Bromoform, ug/L	<0.5
Carbon Tetrachloride, ug/L	<0.5
Chloroethane, ug/L	<0.5
Chloroform, ug/L	<0.5
Chloromethane, ug/L	<1
Carbon Disulfide, ug/L	<2
Dibromochloromethane, ug/L	<0.5
Methyl ethyl ketone, ug/L	<10
Methyl isobutyl ketone, ug/L	<4
Methylene chloride, ug/L	<2

LOG NO: G97-12-146

Received: 04 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
12-146-22	Trip Blank	04 DEC 97

PARAMETER	12-146-22
Trichloroethene, ug/L	<0.5
Tetrachloroethene, ug/L	<0.5
Vinyl acetate, ug/L	<5
Vinyl chloride, ug/L	<0.5
cis-1,2-Dichloroethene, ug/L	<0.5
cis-1,3-Dichloropropene, ug/L	<0.5
trans-1,2-Dichloroethene, ug/L	<0.5
trans-1,3-Dichloropropene, ug/L	<0.5
Surrogates **	
4-Bromofluorobenzene Rep., ug/L	53.8
4-Bromofluorobenzene Theo., ug/L	50.0
Toluene-d8 Reported, ug/L	51.8
Toluene-d8 Theo., ug/L	50.0
Dibromofluoromethane Rep., ug/L	42.8
Dibromofluoromethane Theo., ug/L	50.0

LOG NO: G97-12-146

Received: 04 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-146-23	WDI-TS-136-2.6B	04 DEC 97
12-146-24	WDI-TS-136-13B	04 DEC 97
12-146-25	WDI-TS-136-18B	04 DEC 97
12-146-26	WDI-TS-137-3.15B	04 DEC 97
12-146-27	WDI-TS-137-11B	04 DEC 97

PARAMETER	12-146-23	12-146-24	12-146-25	12-146-26	12-146-27
Sample Held, Not Analyzed					

LOG NO: G97-12-146

Received: 04 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-146-28	WDI-TS-137-32.2B	04 DEC 97
12-146-29	WDI-TS-138-3.9B	04 DEC 97
12-146-30	WDI-TS-138-13.4B	04 DEC 97
12-146-31	WDI-TS-138-24.6B	04 DEC 97
12-146-32	WDI-TS-138-B	04 DEC 97

PARAMETER	12-146-28	12-146-29	12-146-30	12-146-31	12-146-32
Sample Held, Not Analyzed					

Greta Galoustian, Laboratory Director

The analytical results within this report relate only to the specific compounds and samples investigated and may not necessarily reflect other apparently similar material from the same or a similar location.

This report shall not be reproduced, except in full, without the written approval of VOC. No use of this report for promotional or advertising purposes is permitted without prior written VOC approval.

ANALYTICAL REPORT

LOG NO: G97-12-226

Received: 05 DEC 97

Mailed:

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-226-1	WDI-TS-139-28A	05 DEC 97
12-226-2	WDI-TS-139-9A	05 DEC 97
12-226-3	WDI-TS-139-15A	05 DEC 97
12-226-4	WDI-TS-139-ZA	05 DEC 97
12-226-5	WDI-TS-140-3.3A	05 DEC 97

PARAMETER	12-226-1	12-226-2	12-226-3	12-226-4	12-226-5
Volatile Organics (8260A)					
Date Analyzed	12/20/97	12/20/97	12/20/97	12/20/97	12/20/97
Date Extracted	---	12/20/97	---	---	---
Dilution Factor, Times	100	100	100	100	100
1,1,1-Trichloroethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
2-Chloroethylvinylether, mg/kg	<4	<4	<4	<4	<4
2-Hexanone, mg/kg	<5	<5	<5	<5	<5
Acetone, mg/kg	<10	<10	<10	<10	<10
Bromodichloromethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Bromomethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Bromoform, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Carbon Tetrachloride, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Carbon Disulfide, mg/kg	<1	<1	<1	<1	<1

LOG NO: G97-12-226

Received: 05 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-226-1	WDI-TS-139-28A	05 DEC 97
12-226-2	WDI-TS-139-9A	05 DEC 97
12-226-3	WDI-TS-139-15A	05 DEC 97
12-226-4	WDI-TS-139-ZA	05 DEC 97
12-226-5	WDI-TS-140-3.3A	05 DEC 97

PARAMETER	12-226-1	12-226-2	12-226-3	12-226-4	12-226-5
Dibromochloromethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Methyl ethyl ketone, mg/kg	<3	<3	<3	<3	<3
Methyl isobutyl ketone, mg/kg	<3	<3	<3	<3	<3
Methylene chloride, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl acetate, mg/kg	<5	<5	<5	<5	<5
Vinyl chloride, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Surrogates **					
4-Bromofluorobenzene Rep., mg/kg	5.08	5.87	4.85	5.39	5.12
4-Bromofluorobenzene Theo., mg/kg	5.00	5.00	5.00	5.00	5.00
Toluene-d8 Reported, mg/kg	5.23	5.82	5.42	5.86	5.68
Toluene-d8 Theo., mg/kg	5.00	5.00	5.00	5.00	5.00
Dibromofluoromethane Rep., mg/kg	4.99	5.79	5.08	5.78	5.62
Dibromofluoromethane Theo., mg/kg	5.00	5.00	5.00	5.00	5.00

LOG NO: G97-12-226

Received: 05 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-226-6	WDI-TS-140-11A	05 DEC 97
12-226-7	WDI-TS-140-ZA	05 DEC 97

PARAMETER	12-226-6	12-226-7
Volatile Organics (8260A)		
Date Analyzed	12/20/97	12/20/97
Dilution Factor, Times	200	200
1,1,1-Trichloroethane, mg/kg	<1	<1
1,1,2,2-Tetrachloroethane, mg/kg	<1	<1
1,1,2-Trichloroethane, mg/kg	<1	<1
1,1-Dichloroethane, mg/kg	<1	<1
1,1-Dichloroethene, mg/kg	<1	<1
1,2-Dibromoethane, mg/kg	<1	<1
1,2-Dichloroethane, mg/kg	<1	<1
1,2-Dichloropropane, mg/kg	<1	<1
2-Chloroethylvinylether, mg/kg	<8	<8
2-Hexanone, mg/kg	<10	<10
Acetone, mg/kg	<20	<20
Bromodichloromethane, mg/kg	<1	<1
Bromomethane, mg/kg	<1	<1
Benzene, mg/kg	<1	<1
Bromoform, mg/kg	<1	<1
Carbon Tetrachloride, mg/kg	<1	<1
Chloroethane, mg/kg	<1	<1
Chloroform, mg/kg	<1	<1
Chloromethane, mg/kg	<1	<1
Carbon Disulfide, mg/kg	<2	<2
Dibromochloromethane, mg/kg	<1	<1
Methyl ethyl ketone, mg/kg	<6	<6
Methyl isobutyl ketone, mg/kg	<6	<6

LOG NO: G97-12-226

Received: 05 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-226-6	WDI-TS-140-11A	05 DEC 97
12-226-7	WDI-TS-140-ZA	05 DEC 97

PARAMETER	12-226-6	12-226-7	
Methylene chloride, mg/kg	<1	<1	
Trichloroethene, mg/kg	<1	<1	
Tetrachloroethene, mg/kg	<1	<1	
Vinyl acetate, mg/kg	<10	<10	
Vinyl chloride, mg/kg	<1	<1	
cis-1,2-Dichloroethene, mg/kg	<1	<1	
cis-1,3-Dichloropropene, mg/kg	<1	<1	
trans-1,2-Dichloroethene, mg/kg	<1	<1	
trans-1,3-Dichloropropene, mg/kg	<1	<1	
Other Volatile Organics (8260A)	---	---	
Surrogates **			
4-Bromofluorobenzene Rep., mg/kg	4.45	7.24	
4-Bromofluorobenzene Theo., mg/kg	10.0	10.0	
Toluene-d8 Reported, mg/kg	6.37	6.30	
Toluene-d8 Theo., mg/kg	10.0	10.0	
Dibromofluoromethane Rep., mg/kg	5.19	5.06	
Dibromofluoromethane Theo., mg/kg	10.0	10.0	

LOG NO: G97-12-226

Received: 05 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-226-8	WDI-TS-139 2.8-3.9	05 DEC 97
12-226-9	WDI-TS-139 8-8.6	05 DEC 97
12-226-10	WDI-TS-139 15-16	05 DEC 97
12-226-11	WDI-TS-139 Z	05 DEC 97
12-226-12	WDI-TS-140 3.3-4	05 DEC 97

PARAMETER	12-226-8	12-226-9	12-226-10	12-226-11	12-226-12
Digestion (3050A), Date	12/12/97	12/12/97	12/12/97	12/12/97	12/12/97
Furnace Digestion (3050), Date	12/12/97	12/12/97	12/12/97	12/12/97	12/12/97
Pesticides					
PCBs					
Arsenic (7060), mg/kg	3.9	3.1	16	4.0	11
Antimony (6010), mg/kg	<10	<10	<10	10	<10
Barium (6010), mg/kg	760	740	220	170	510
Beryllium (6010), mg/kg	0.36	0.50	0.80	0.75	0.45
Cadmium (6010), mg/kg	<1	<1	<1	<1	<1
Chromium (6010), mg/kg	15	21	28	25	25
Cobalt (6010), mg/kg	10	12	16	14	9.2
Copper (6010), mg/kg	23	27	48	25	38
Lead (6010), mg/kg	15	66	11	7.6	160
Mercury (7471), mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum (6010), mg/kg	<2	<2	<2	<2	<2
Nickel (6010), mg/kg	15	20	27	21	22
Selenium (7740), mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Silver (6010), mg/kg	<1	<1	<1	<1	<1
Thallium (6010), mg/kg	<7	<7	<7	8.0	<7
Vanadium (6010), mg/kg	22	33	49	46	31
Zinc (6010), mg/kg	160	120	64	51	200
Aluminum (6010), mg/kg	6500	10000	15000	13000	8800
Calcium (6010), mg/kg	8500	6900	53000	2900	14000

LOG NO: G97-12-226

Received: 05 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-226-8	WDI-TS-139 2.8-3.9	05 DEC 97
12-226-9	WDI-TS-139 8-8.6	05 DEC 97
12-226-10	WDI-TS-139 15-16	05 DEC 97
12-226-11	WDI-TS-139 Z	05 DEC 97
12-226-12	WDI-TS-140 3.3-4	05 DEC 97

PARAMETER	12-226-8	12-226-9	12-226-10	12-226-11	12-226-12
Iron (6010), mg/kg	15000	21000	31000	26000	20000

LOG NO: G97-12-226

Received: 05 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-226-8	WDI-TS-139 2.8-3.9	05 DEC 97
12-226-9	WDI-TS-139 8-8.6	05 DEC 97
12-226-10	WDI-TS-139 15-16	05 DEC 97
12-226-11	WDI-TS-139 Z	05 DEC 97
12-226-12	WDI-TS-140 3.3-4	05 DEC 97

PARAMETER	12-226-8	12-226-9	12-226-10	12-226-11	12-226-12
Semi-volatiles (8270)					
Date Analyzed	12/17/97	12/17/97	12/16/97	12/17/97	12/17/97
Date Extracted	12/11/97	12/11/97	12/11/97	12/11/97	12/11/97
Dilution Factor, Times	50	10	1	10	10
1,2,4-Trichlorobenzene, mg/kg	<10	<2	<0.2	<2	<2
1,2-Dichlorobenzene, mg/kg	<10	<2	<0.2	<2	<2
1,2-Diphenylhydrazine, mg/kg	<10	<2	<0.2	<2	<2
1,3-Dichlorobenzene, mg/kg	<10	<2	<0.2	<2	<2
1,4-Dichlorobenzene, mg/kg	<10	<2	<0.2	<2	<2
2,4,5-Trichlorophenol, mg/kg	<10	<2	<0.2	<2	<2
2,4,6-Trichlorophenol, mg/kg	<10	<2	<0.2	<2	<2
2,4-Dichlorophenol, mg/kg	<10	<2	<0.2	<2	<2
2,4-Dimethylphenol, mg/kg	<10	<2	<0.2	<2	<2
2,4-Dinitrophenol, mg/kg	<20	<4	<0.4	<4	<4
2,4-Dinitrotoluene, mg/kg	<10	<2	<0.2	<2	<2
2,6-Dinitrotoluene, mg/kg	<10	<2	<0.2	<2	<2
2-Chloronaphthalene, mg/kg	<10	<2	<0.2	<2	<2
2-Chlorophenol, mg/kg	<10	<2	<0.2	<2	<2
2-Methyl-4,6-dinitrophenol, mg/kg	<20	<4	<0.4	<4	<4
2-Methylnaphthalene, mg/kg	<10	7.7	<0.2	5.4	<2
2-Methylphenol (o-Cresol), mg/kg	<10	<2	<0.2	<2	<2
2-Nitroaniline, mg/kg	<10	<2	<0.2	<2	<2
2-Nitrophenol, mg/kg	<10	<2	<0.2	<2	<2

LOG NO: G97-12-226

Received: 05 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-226-8	WDI-TS-139 2.8-3.9	05 DEC 97
12-226-9	WDI-TS-139 8-8.6	05 DEC 97
12-226-10	WDI-TS-139 15-16	05 DEC 97
12-226-11	WDI-TS-139 Z	05 DEC 97
12-226-12	WDI-TS-140 3.3-4	05 DEC 97

PARAMETER	12-226-8	12-226-9	12-226-10	12-226-11	12-226-12
3,3'-Dichlorobenzidine, mg/kg	<30	<6	<0.6	<6	<6
3-Nitroaniline, mg/kg	<10	<2	<0.2	<2	<2
4-Bromophenylphenylether, mg/kg	<10	<2	<0.2	<2	<2
4-Chloro-3-methylphenol, mg/kg	<10	<2	<0.2	<2	<2
4-Chloroaniline, mg/kg	<10	<2	<0.2	<2	<2
4-Chlorophenylphenylether, mg/kg	<10	<2	<0.2	<2	<2
4-Methylphenol (p-Cresol), mg/kg	<20	<4	<0.4	<4	<4
4-Nitroaniline, mg/kg	<10	<2	<0.2	<2	<2
4-Nitrophenol, mg/kg	<20	<4	<0.4	<4	<4
Acenaphthene, mg/kg	<10	<2	<0.2	<2	<2
Acenaphthylene, mg/kg	<10	<2	<0.2	<2	<2
Aniline, mg/kg	<10	<2	<0.2	<2	<2
Anthracene, mg/kg	<10	<2	<0.2	<2	<2
Benzidine, mg/kg	<200	<40	<4	<40	<40
Benzo(a)anthracene, mg/kg	<10	<2	<0.2	<2	<2
Benzo(a)pyrene, mg/kg	<10	<2	<0.2	<2	<2
Benzo(b)fluoranthene, mg/kg	<10	<2	<0.2	<2	<2
Benzo(g,h,i)perylene, mg/kg	<10	<2	<0.2	<2	<2
Benzo(k)fluoranthene, mg/kg	<10	<2	<0.2	<2	<2
Benzyl Alcohol, mg/kg	<20	<4	<0.4	<4	<4
Benzoic acid, mg/kg	<100	<20	<2	<20	<20
Butylbenzylphthalate, mg/kg	<10	<2	<0.2	<2	<2
Chrysene, mg/kg	<10	<2	<0.2	<2	<2

LOG NO: G97-12-226

Received: 05 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-226-8	WDI-TS-139 2.8-3.9	05 DEC 97
12-226-9	WDI-TS-139 8-8.6	05 DEC 97
12-226-10	WDI-TS-139 15-16	05 DEC 97
12-226-11	WDI-TS-139 Z	05 DEC 97
12-226-12	WDI-TS-140 3.3-4	05 DEC 97

PARAMETER	12-226-8	12-226-9	12-226-10	12-226-11	12-226-12
Di-n-octylphthalate, mg/kg	<10	<2	<0.2	<2	<2
Dibenzo(a,h)anthracene, mg/kg	<10	<2	<0.2	<2	<2
Dibenzofuran, mg/kg	<10	<2	<0.2	<2	<2
Dibutylphthalate, mg/kg	<10	<2	<0.2	<2	<2
Diethylphthalate, mg/kg	<10	<2	<0.2	<2	<2
Dimethylphthalate, mg/kg	<10	<2	<0.2	<2	<2
Fluoranthene, mg/kg	<10	<2	<0.2	<2	<2
Fluorene, mg/kg	<10	<2	<0.2	<2	<2
Hexachlorobenzene, mg/kg	<10	<2	<0.2	<2	<2
Hexachlorobutadiene, mg/kg	<10	<2	<0.2	<2	<2
Hexachlorocyclopentadiene, mg/kg	<20	<4	<0.4	<4	<4
Hexachloroethane, mg/kg	<10	<2	<0.2	<2	<2
Indeno(1,2,3-c,d)pyrene, mg/kg	<10	<2	<0.2	<2	<2
Isophorone, mg/kg	<10	<2	<0.2	<2	<2
N-Nitrosodimethylamine, mg/kg	<10	<2	<0.2	<2	<2
N-Nitrosodiphenylamine, mg/kg	<10	<2	<0.2	<2	<2
N-Nitrosodi-n-propylamine, mg/kg	<10	<2	<0.2	<2	<2
Nitrobenzene, mg/kg	<10	<2	<0.2	<2	<2
Naphthalene, mg/kg	<10	3.1	<0.2	<2	<2
Phenanthrene, mg/kg	<10	<2	<0.2	<2	<2
Phenol, mg/kg	<10	<2	<0.2	<2	<2
Pentachlorophenol, mg/kg	<20	<4	<0.4	<4	<4
Pyrene, mg/kg	<10	<2	<0.2	<2	<2

LOG NO: G97-12-226

Received: 05 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-226-8	WDI-TS-139 2.8-3.9	05 DEC 97
12-226-9	WDI-TS-139 8-8.6	05 DEC 97
12-226-10	WDI-TS-139 15-16	05 DEC 97
12-226-11	WDI-TS-139 Z	05 DEC 97
12-226-12	WDI-TS-140 3.3-4	05 DEC 97

PARAMETER	12-226-8	12-226-9	12-226-10	12-226-11	12-226-12
Pyridine, mg/kg	<20	<4	<0.4	<4	<4
Bis(2-chloroethoxy)methane, mg/kg	<10	<2	<0.2	<2	<2
Bis(2-chloroethyl)ether, mg/kg	<10	<2	<0.2	<2	<2
Bis(2-chloroisopropyl)ether, mg/kg	<10	<2	<0.2	<2	<2
Bis(2-ethylhexyl)phthalate, mg/kg	<20	<4	<0.4	<4	<4
Surrogates **					
2-Fluorobiphenyl Reported, mg/kg	0 NC	0 NC	1.61	0 NC	0 NC
2-Fluorobiphenyl Theo., mg/kg	1.67	1.67	1.67	1.67	1.67
2-Fluorophenol Reported, mg/kg	0 NC	0 NC	2.07	0 NC	0 NC
2-Fluorophenol Theoretical, mg/kg	2.50	2.50	2.50	2.50	2.50
2,4,6-Tribromophenol Rep., mg/kg	0 NC	0 NC	2.52	0 NC	0 NC
2,4,6-Tribromophenol Theo., mg/kg	2.50	2.50	2.50	2.50	2.50
Nitrobenzene-d5 Reported, mg/kg	0 NC	0 NC	1.56	0 NC	0 NC
Nitrobenzene-d5 Theoretical, mg/kg	1.67	1.67	1.67	1.67	1.67
Phenol-d5 Reported, mg/kg	0 NC	0 NC	2.26	0 NC	0 NC
Phenol-d5 Theoretical, mg/kg	2.50	2.50	2.50	2.50	2.50
Terphenyl-d14 Reported, mg/kg	0 NC	0 NC	1.47	0 NC	0 NC
Terphenyl-d14 Theoretical, mg/kg	1.67	1.67	1.67	1.67	1.67

LOG NO: G97-12-226

Received: 05 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-226-8	WDI-TS-139 2.8-3.9	05 DEC 97
12-226-9	WDI-TS-139 8-8.6	05 DEC 97
12-226-10	WDI-TS-139 15-16	05 DEC 97
12-226-11	WDI-TS-139 Z	05 DEC 97
12-226-12	WDI-TS-140 3.3-4	05 DEC 97

PARAMETER	12-226-8	12-226-9	12-226-10	12-226-11	12-226-12
Simulated Distillation (D2887)					
Sample Amount, g	10G	10G	10G	10G	10G
Extract Volume, mL	10ML	10ML	10ML	10ML	10ML
Dilution Factor, Times	5	10	1	10	10
C10-C11, mg/kg	<30	170	<5	170	<50
C12-C13, mg/kg	<30	280	<5	280	<50
C14-C15, mg/kg	<30	270	<5	260	<50
C16-C17, mg/kg	<30	260	<5	240	<50
C18-C19, mg/kg	87	250	<5	220	<50
C20-C23, mg/kg	140	380	<5	330	200
C24-C27, mg/kg	190	320	<5	270	410
C28-C31, mg/kg	180	330	<5	260	820
C32-C35, mg/kg	180	250	<5	200	860
C36-C39, mg/kg	100	<50	<5	130	850
C40-C43, mg/kg	<30	<50	<5	<50	610
C44+, mg/kg	<30	<50	<5	<50	<50
Total Hydrocarbon Matrix, mg/kg	880	2500	<50	2400	3800
Other Simulated Distillation (D2887)	---	---	---	---	---
Surrogates **					
Naphthalene Reported, mg/kg	8.55	0 NC	6.71	0 NC	0 NC
Naphthalene Theoretical, mg/kg	10.0	10.0	10.0	10.0	10.0
o-Terphenyl Reported, mg/kg	11.2	0 NC	6.78	0 NC	0 NC
o-Terphenyl Theoretical, mg/kg	10.0	10.0	10.0	10.0	10.0

LOG NO: G97-12-226

Received: 05 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-226-13	WDI-TS-140 10.6-11	05 DEC 97
12-226-14	WDI-TS-140 Z	05 DEC 97

PARAMETER	12-226-13	12-226-14	
Digestion (3050A), Date	12/12/97	12/12/97	
Furnace Digestion (3050), Date	12/12/97	12/12/97	
Pesticides			
PCBs			
Arsenic (7060), mg/kg	7.1	9.2	
Antimony (6010), mg/kg	<10	<10	
Barium (6010), mg/kg	210	970	
Beryllium (6010), mg/kg	0.67	0.35	
Cadmium (6010), mg/kg	<1	<1	
Chromium (6010), mg/kg	26	31	
Cobalt (6010), mg/kg	14	7.6	
Copper (6010), mg/kg	29	36	
Lead (6010), mg/kg	29	200	
Mercury (7471), mg/kg	<0.1	<0.1	
Molybdenum (6010), mg/kg	<2	<2	
Nickel (6010), mg/kg	23	19	
Selenium (7740), mg/kg	<0.4	<0.4	
Silver (6010), mg/kg	<1	<1	
Thallium (6010), mg/kg	<7	<7	
Vanadium (6010), mg/kg	47	21	
Zinc (6010), mg/kg	58	110	
Aluminum (6010), mg/kg	13000	6100	
Calcium (6010), mg/kg	4300	11000	
Iron (6010), mg/kg	27000	15000	

LOG NO: G97-12-226

Received: 05 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-226-13	WDI-TS-140 10.6-11	05 DEC 97
12-226-14	WDI-TS-140 Z	05 DEC 97

PARAMETER	12-226-13	12-226-14
Semi-volatiles (8270)		
Date Analyzed	12/17/97	12/17/97
Date Extracted	12/11/97	12/11/97
Dilution Factor, Times	10	10
1,2,4-Trichlorobenzene, mg/kg	<2	<2
1,2-Dichlorobenzene, mg/kg	<2	<2
1,2-Diphenylhydrazine, mg/kg	<2	<2
1,3-Dichlorobenzene, mg/kg	<2	<2
1,4-Dichlorobenzene, mg/kg	<2	<2
2,4,5-Trichlorophenol, mg/kg	<2	<2
2,4,6-Trichlorophenol, mg/kg	<2	<2
2,4-Dichlorophenol, mg/kg	<2	<2
2,4-Dimethylphenol, mg/kg	<2	<2
2,4-Dinitrophenol, mg/kg	<4	<4
2,4-Dinitrotoluene, mg/kg	<2	<2
2,6-Dinitrotoluene, mg/kg	<2	<2
2-Chloronaphthalene, mg/kg	<2	<2
2-Chlorophenol, mg/kg	<2	<2
2-Methyl-4,6-dinitrophenol, mg/kg	<4	<4
2-Methylnaphthalene, mg/kg	8.3	2.7
2-Methylphenol (o-Cresol), mg/kg	<2	<2
2-Nitroaniline, mg/kg	<2	<2
2-Nitrophenol, mg/kg	<2	<2
3,3'-Dichlorobenzidine, mg/kg	<6	<6
3-Nitroaniline, mg/kg	<2	<2
4-Bromophenylphenylether, mg/kg	<2	<2

LOG NO: G97-12-226

Received: 05 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-226-13	WDI-TS-140 10.6-11	05 DEC 97
12-226-14	WDI-TS-140 Z	05 DEC 97

PARAMETER	12-226-13	12-226-14	
4-Chloro-3-methylphenol, mg/kg	<2	<2	
4-Chloroaniline, mg/kg	<2	<2	
4-Chlorophenylphenylether, mg/kg	<2	<2	
4-Methylphenol (p-Cresol), mg/kg	<4	<4	
4-Nitroaniline, mg/kg	<2	<2	
4-Nitrophenol, mg/kg	<4	<4	
Acenaphthene, mg/kg	<2	<2	
Acenaphthylene, mg/kg	<2	<2	
Aniline, mg/kg	<2	<2	
Anthracene, mg/kg	<2	<2	
Benzidine, mg/kg	<40	<40	
Benzo(a)anthracene, mg/kg	<2	<2	
Benzo(a)pyrene, mg/kg	<2	<2	
Benzo(b)fluoranthene, mg/kg	<2	<2	
Benzo(g,h,i)perylene, mg/kg	<2	<2	
Benzo(k)fluoranthene, mg/kg	<2	<2	
Benzyl Alcohol, mg/kg	<4	<4	
Benzoic acid, mg/kg	<20	<20	
Butylbenzylphthalate, mg/kg	<2	<2	
Chrysene, mg/kg	<2	<2	
Di-n-octylphthalate, mg/kg	<2	<2	
Dibenzo(a,h)anthracene, mg/kg	<2	<2	
Dibenzofuran, mg/kg	<2	<2	
Dibutylphthalate, mg/kg	<2	<2	
Diethylphthalate, mg/kg	<2	<2	
Dimethylphthalate, mg/kg	<2	<2	

LOG NO: G97-12-226

Received: 05 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-226-13	WDI-TS-140 10.6-11	05 DEC 97
12-226-14	WDI-TS-140 Z	05 DEC 97

PARAMETER	12-226-13	12-226-14
Fluoranthene, mg/kg	<2	<2
Fluorene, mg/kg	<2	<2
Hexachlorobenzene, mg/kg	<2	<2
Hexachlorobutadiene, mg/kg	<2	<2
Hexachlorocyclopentadiene, mg/kg	<4	<4
Hexachloroethane, mg/kg	<2	<2
Indeno(1,2,3-c,d)pyrene, mg/kg	<2	<2
Isophorone, mg/kg	<2	<2
N-Nitrosodimethylamine, mg/kg	<2	<2
N-Nitrosodiphenylamine, mg/kg	<2	<2
N-Nitrosodi-n-propylamine, mg/kg	<2	<2
Nitrobenzene, mg/kg	<2	<2
Naphthalene, mg/kg	2.5	<2
Phenanthrene, mg/kg	<2	<2
Phenol, mg/kg	<2	<2
Pentachlorophenol, mg/kg	<4	<4
Pyrene, mg/kg	<2	<2
Pyridine, mg/kg	<4	<4
Bis(2-chloroethoxy)methane, mg/kg	<2	<2
Bis(2-chloroethyl)ether, mg/kg	<2	<2
Bis(2-chloroisopropyl)ether, mg/kg	<2	<2
Bis(2-ethylhexyl)phthalate, mg/kg	<4	<4
Surrogates **		
2-Fluorobiphenyl Reported, mg/kg	0 NC	0 NC
2-Fluorobiphenyl Theo., mg/kg	1.67	1.67
2-Fluorophenol Reported, mg/kg	0 NC	0 NC

LOG NO: G97-12-226

Received: 05 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-226-13	WDI-TS-140 10.6-11	05 DEC 97
12-226-14	WDI-TS-140 Z	05 DEC 97

PARAMETER	12-226-13	12-226-14
2-Fluorophenol Theoretical, mg/kg	2.50	2.50
2,4,6-Tribromophenol Rep., mg/kg	0 NC	0 NC
2,4,6-Tribromophenol Theo., mg/kg	2.50	2.50
Nitrobenzene-d5 Reported, mg/kg	0 NC	0 NC
Nitrobenzene-d5 Theoretical, mg/kg	1.67	1.67
Phenol-d5 Reported, mg/kg	0 NC	0 NC
Phenol-d5 Theoretical, mg/kg	2.50	2.50
Terphenyl-d14 Reported, mg/kg	0 NC	0 NC
Terphenyl-d14 Theoretical, mg/kg	1.67	1.67

LOG NO: G97-12-226

Received: 05 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-226-13	WDI-TS-140 10.6-11	05 DEC 97
12-226-14	WDI-TS-140 Z	05 DEC 97

PARAMETER	12-226-13	12-226-14
Simulated Distillation (D2887)		
Sample Amount, g	10G	10G
Extract Volume, mL	10ML	10ML
Dilution Factor, Times	20	20
C10-C11, mg/kg	540	230
C12-C13, mg/kg	690	620
C14-C15, mg/kg	610	650
C16-C17, mg/kg	600	690
C18-C19, mg/kg	560	750
C20-C23, mg/kg	840	1200
C24-C27, mg/kg	710	990
C28-C31, mg/kg	790	1000
C32-C35, mg/kg	640	760
C36-C39, mg/kg	1300	550
C40-C43, mg/kg	210	160
C44+, mg/kg	<100	<100
Total Hydrocarbon Matrix, mg/kg	7500	7600
Other Simulated Distillation (D2887)	---	---
Surrogates **		
Naphthalene Reported, mg/kg	0 NC	0 NC
Naphthalene Theoretical, mg/kg	10.0	10.0
o-Terphenyl Reported, mg/kg	0 NC	0 NC
o-Terphenyl Theoretical, mg/kg	10.0	10.0

LOG NO: G97-12-226

Received: 05 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
12-226-15	Trip Blank	05 DEC 97

PARAMETER	12-226-15
Volatile Organics (8260A)	
Date Analyzed	12/19/97
Dilution Factor, Times	1
1,1,1-Trichloroethane, ug/L	<0.5
1,1,2,2-Tetrachloroethane, ug/L	<0.5
1,1,2-Trichloroethane, ug/L	<0.5
1,1-Dichloroethane, ug/L	<0.5
1,1-Dichloroethene, ug/L	<0.5
1,2-Dibromoethane, ug/L	<0.5
1,2-Dichloroethane, ug/L	<0.5
1,2-Dichloropropane, ug/L	<0.5
2-Chloroethylvinylether, ug/L	<4
2-Hexanone, ug/L	<5
Acetone, ug/L	<10
Bromodichloromethane, ug/L	<0.5
Bromomethane, ug/L	<0.5
Benzene, ug/L	<0.5
Bromoform, ug/L	<0.5
Carbon Tetrachloride, ug/L	<0.5
Chloroethane, ug/L	<0.5
Chloroform, ug/L	<0.5
Chloromethane, ug/L	<1
Carbon Disulfide, ug/L	<2
Dibromochloromethane, ug/L	<0.5
Methyl ethyl ketone, ug/L	<10
Methyl isobutyl ketone, ug/L	<4
Methylene chloride, ug/L	<2

LOG NO: G97-12-226

Received: 05 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
12-226-15	Trip Blank	05 DEC 97

PARAMETER	12-226-15
Trichloroethene, ug/L	<0.5
Tetrachloroethene, ug/L	<0.5
Vinyl acetate, ug/L	<5
Vinyl chloride, ug/L	<0.5
cis-1,2-Dichloroethene, ug/L	<0.5
cis-1,3-Dichloropropene, ug/L	<0.5
trans-1,2-Dichloroethene, ug/L	<0.5
trans-1,3-Dichloropropene, ug/L	<0.5
Surrogates **	
4-Bromofluorobenzene Rep., ug/L	11.7
4-Bromofluorobenzene Theo., ug/L	10.0
Toluene-d8 Reported, ug/L	10.4
Toluene-d8 Theo., ug/L	10.0
Dibromofluoromethane Rep., ug/L	11.1
Dibromofluoromethane Theo., ug/L	10.0

LOG NO: G97-12-226

Received: 05 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-226-16	WDI-TS-139 2.8B	05 DEC 97
12-226-17	WDI-TS-139 9B	05 DEC 97
12-226-18	WDI-TS-139 15B	05 DEC 97
12-226-19	WDI-TS-139 ZB	05 DEC 97
12-226-20	WDI-TS-140 3.3B	05 DEC 97

PARAMETER	12-226-16	12-226-17	12-226-18	12-226-19	12-226-20
Sample Held, Not Analyzed					

LOG NO: G97-12-226

Received: 05 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-226-21	WDI-TS-140 11B	05 DEC 97
12-226-22	WDI-TS-140 ZB	05 DEC 97

PARAMETER	12-226-21	12-226-22
Sample Held, Not Analyzed		

Greta Galoustian, Laboratory Director

The analytical results within this report relate only to the specific compounds and samples investigated and may not necessarily reflect other apparently similar material from the same or a similar location.

This report shall not be reproduced, except in full, without the written approval of VOC. No use of this report for promotional or advertising purposes is permitted without prior written VOC approval.

ANALYTICAL REPORT

LOG NO: G97-12-304

Received: 10 DEC 97

Mailed:

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-304-2	WDI-TS-141-3B	10 DEC 97
12-304-6	WDI-TS-141-15.6B	10 DEC 97
12-304-9	WDI-TS-141-19B	10 DEC 97
12-304-12	WDI-TS-142-5B	10 DEC 97
12-304-15	WDI-TS-142-13B	10 DEC 97

PARAMETER	12-304-2	12-304-6	12-304-9	12-304-12	12-304-15
Sample Held, Not Analyzed					

VOC Analytical Laboratories, Inc.
801 Western Avenue, Glendale, CA 91201 - **Phone:** (818) 247-5737 - **Fax:** (818) 247-9797

LOG NO: G97-12-304

Received: 10 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-304-18	WDI-TS-142-ZB	10 DEC 97
12-304-21	WDI-TS-142-17B	10 DEC 97

PARAMETER	12-304-18	12-304-21
Sample Held, Not Analyzed		

LOG NO: G97-12-304

Received: 10 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
12-304-4	WDI-TS-141-14	10 DEC 97

PARAMETER	12-304-4				
Volatile Organics					

LOG NO: G97-12-304

Received: 10 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
12-304-23	Field Blank	10 DEC 97
12-304-24	Equip Blank	10 DEC 97
12-304-25	Decon Water	10 DEC 97

PARAMETER	12-304-23	12-304-24	12-304-25
Volatile Organics (8260A)			
Date Analyzed	12/24/97	12/24/97	12/24/97
Dilution Factor, Times	1	1	1
1,1,1-Trichloroethane, ug/L	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane, ug/L	<0.5	<0.5	<0.5
1,1,2-Trichloroethane, ug/L	<0.5	<0.5	<0.5
1,1-Dichloroethane, ug/L	<0.5	<0.5	<0.5
1,1-Dichloroethene, ug/L	<0.5	<0.5	<0.5
1,2-Dibromoethane, ug/L	<0.5	<0.5	<0.5
1,2-Dichloroethane, ug/L	<0.5	<0.5	<0.5
1,2-Dichloropropane, ug/L	<0.5	<0.5	<0.5
2-Chloroethylvinylether, ug/L	<4	<4	<4
2-Hexanone, ug/L	<5	<5	<5
Acetone, ug/L	<10	<10	<10
Bromodichloromethane, ug/L	<0.5	<0.5	<0.5
Bromomethane, ug/L	<0.5	<0.5	<0.5
Benzene, ug/L	<0.5	<0.5	<0.5
Bromoform, ug/L	<0.5	<0.5	<0.5
Carbon Tetrachloride, ug/L	<0.5	<0.5	<0.5
Chloroethane, ug/L	<0.5	<0.5	<0.5
Chloroform, ug/L	<0.5	<0.5	1.0
Chloromethane, ug/L	<1	<1	<1
Carbon Disulfide, ug/L	<2	<2	<2
Dibromochloromethane, ug/L	<0.5	<0.5	<0.5
Methyl ethyl ketone, ug/L	<10	11	<10

LOG NO: G97-12-304

Received: 10 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
12-304-23	Field Blank	10 DEC 97
12-304-24	Equip Blank	10 DEC 97
12-304-25	Decon Water	10 DEC 97

PARAMETER	12-304-23	12-304-24	12-304-25
Methyl isobutyl ketone, ug/L	<4	<4	<4
Methylene chloride, ug/L	<2	<2	<2
Trichloroethene, ug/L	0.58	<0.5	<0.5
Tetrachloroethene, ug/L	<0.5	<0.5	<0.5
Vinyl acetate, ug/L	<5	17	<5
Vinyl chloride, ug/L	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene, ug/L	<0.5	<0.5	3.7
cis-1,3-Dichloropropene, ug/L	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene, ug/L	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene, ug/L	<0.5	<0.5	<0.5
Surrogates **			
4-Bromofluorobenzene Rep., ug/L	55.4	55.0	54.2
4-Bromofluorobenzene Theo., ug/L	50.0	50.0	50.0
Toluene-d8 Reported, ug/L	56.2	54.8	55.2
Toluene-d8 Theo., ug/L	50.0	50.0	50.0
Dibromofluoromethane Rep., ug/L	45.5	45.1	45.7
Dibromofluoromethane Theo., ug/L	50.0	50.0	50.0

LOG NO: G97-12-304

Received: 10 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-304-1	WDI-TS-141-3A	10 DEC 97
12-304-5	WDI-TS-141-15.6A	10 DEC 97
12-304-8	WDI-TS-141-19A	10 DEC 97
12-304-11	WDI-TS-142-5A	10 DEC 97
12-304-14	WDI-TS-142-13A	10 DEC 97

PARAMETER	12-304-1	12-304-5	12-304-8	12-304-11	12-304-14
Volatile Organics (8260A)					
Date Analyzed	12/23/97	12/23/97	12/23/97	12/23/97	12/23/97
Dilution Factor, Times	100	100	100	100	100
1,1,1-Trichloroethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
2-Chloroethylvinylether, mg/kg	<4	<4	<4	<4	<4
2-Hexanone, mg/kg	<5	<5	<5	<5	<5
Acetone, mg/kg	<10	<10	<10	<10	<10
Bromodichloromethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Bromomethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Bromoform, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Carbon Tetrachloride, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Carbon Disulfide, mg/kg	<1	<1	<1	<1	<1

LOG NO: G97-12-304

Received: 10 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-304-1	WDI-TS-141-3A	10 DEC 97
12-304-5	WDI-TS-141-15.6A	10 DEC 97
12-304-8	WDI-TS-141-19A	10 DEC 97
12-304-11	WDI-TS-142-5A	10 DEC 97
12-304-14	WDI-TS-142-13A	10 DEC 97

PARAMETER	12-304-1	12-304-5	12-304-8	12-304-11	12-304-14
Dibromochloromethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Methyl ethyl ketone, mg/kg	<3	<3	<3	<3	<3
Methyl isobutyl ketone, mg/kg	<3	<3	<3	<3	<3
Methylene chloride, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl acetate, mg/kg	<5	<5	<5	<5	<5
Vinyl chloride, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Other Volatile Organics (8260A)	---	---	---	---	---
Surrogates **					
4-Bromofluorobenzene Rep., mg/kg	4.57	5.45	4.62	4.57	4.25
4-Bromofluorobenzene Theo., mg/kg	5.00	5.00	5.00	5.00	5.00
Toluene-d8 Reported, mg/kg	5.38	4.39	5.26	5.44	5.00
Toluene-d8 Theo., mg/kg	5.00	5.00	5.00	5.00	5.00
Dibromofluoromethane Rep., mg/kg	4.85	4.48	4.74	5.21	5.96
Dibromofluoromethane Theo., mg/kg	5.00	5.00	5.00	5.00	5.00

LOG NO: G97-12-304

Received: 10 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-304-17	WDI-TS-142-ZA	10 DEC 97
12-304-20	WDI-TS-142-17A	10 DEC 97

PARAMETER	12-304-17	12-304-20
Volatile Organics (8260A)		
Date Analyzed	12/23/97	12/23/97
Dilution Factor, Times	100	100
1,1,1-Trichloroethane, mg/kg	<0.5	<0.5
1,1,2,2-Tetrachloroethane, mg/kg	<0.5	<0.5
1,1,2-Trichloroethane, mg/kg	<0.5	<0.5
1,1-Dichloroethane, mg/kg	<0.5	<0.5
1,1-Dichloroethene, mg/kg	<0.5	<0.5
1,2-Dibromoethane, mg/kg	<0.5	<0.5
1,2-Dichloroethane, mg/kg	<0.5	<0.5
1,2-Dichloropropane, mg/kg	<0.5	<0.5
2-Chloroethylvinylether, mg/kg	<4	<4
2-Hexanone, mg/kg	<5	<5
Acetone, mg/kg	<10	<10
Bromodichloromethane, mg/kg	<0.5	<0.5
Bromomethane, mg/kg	<0.5	<0.5
Benzene, mg/kg	<0.5	<0.5
Bromoform, mg/kg	<0.5	<0.5
Carbon Tetrachloride, mg/kg	<0.5	<0.5
Chloroethane, mg/kg	<0.5	<0.5
Chloroform, mg/kg	<0.5	<0.5
Chloromethane, mg/kg	<0.5	<0.5
Carbon Disulfide, mg/kg	<1	<1
Dibromochloromethane, mg/kg	<0.5	<0.5
Methyl ethyl ketone, mg/kg	<3	<3
Methyl isobutyl ketone, mg/kg	<3	<3

LOG NO: G97-12-304

Received: 10 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-304-17	WDI-TS-142-ZA	10 DEC 97
12-304-20	WDI-TS-142-17A	10 DEC 97

PARAMETER	12-304-17	12-304-20	
Methylene chloride, mg/kg	<0.5	<0.5	
Trichloroethene, mg/kg	<0.5	<0.5	
Tetrachloroethene, mg/kg	<0.5	<0.5	
Vinyl acetate, mg/kg	<5	<5	
Vinyl chloride, mg/kg	<0.5	<0.5	
cis-1,2-Dichloroethene, mg/kg	<0.5	<0.5	
cis-1,3-Dichloropropene, mg/kg	<0.5	<0.5	
trans-1,2-Dichloroethene, mg/kg	<0.5	<0.5	
trans-1,3-Dichloropropene, mg/kg	<0.5	<0.5	
Other Volatile Organics (8260A)	---	---	
Surrogates **			
4-Bromofluorobenzene Rep., mg/kg	4.21	4.29	
4-Bromofluorobenzene Theo., mg/kg	5.00	5.00	
Toluene-d8 Reported, mg/kg	4.95	4.89	
Toluene-d8 Theo., mg/kg	5.00	5.00	
Dibromofluoromethane Rep., mg/kg	4.49	4.38	
Dibromofluoromethane Theo., mg/kg	5.00	5.00	

LOG NO: G97-12-304

Received: 10 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-304-7	WDI-TS-141-15.6-16	10 DEC 97
12-304-10	WDI-TS-141-19-20	10 DEC 97
12-304-13	WDI-TS-142-4-5	10 DEC 97
12-304-19	WDI-TS-142-Z	10 DEC 97
12-304-22	WDI-TS-142-17-18	10 DEC 97

PARAMETER	12-304-7	12-304-10	12-304-13	12-304-19	12-304-22
Digestion (3050A), Date	12/18/97	12/18/97	12/18/97	12/18/97	12/18/97
Furnace Digestion (3050), Date	12/18/97	12/18/97	12/18/97	12/18/97	12/18/97
Pesticides					
PCBs					
Arsenic (7060), mg/kg	3.1	<0.2	3.5	2.8	2.7
Antimony (6010), mg/kg	<10	<10	<10	<10	<10
Barium (6010), mg/kg	420	140	400	190	140
Beryllium (6010), mg/kg	0.21	0.78	0.18	0.29	0.69
Cadmium (6010), mg/kg	<1	<1	<1	<1	<1
Chromium (6010), mg/kg	15	28	5.1	13	30
Cobalt (6010), mg/kg	<4	15	<4	10	15
Copper (6010), mg/kg	32	4.9	4.2	10	12
Lead (6010), mg/kg	190	8.2	92	46	<5
Mercury (7471), mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum (6010), mg/kg	<2	<2	<2	<2	<2
Nickel (6010), mg/kg	11	24	8.9	13	27
Selenium (7740), mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Silver (6010), mg/kg	<1	<1	<1	<1	<1
Thallium (6010), mg/kg	<7	7.1	<7	<7	<7
Vanadium (6010), mg/kg	16	54	12	20	47
Zinc (6010), mg/kg	110	52	220	220	57
Aluminum (6010), mg/kg	3800	11000	3300	5300	13000
Calcium (6010), mg/kg	18000	2600	32000	22000	3400

LOG NO: G97-12-304

Received: 10 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-304-7	WDI-TS-141-15.6-16	10 DEC 97
12-304-10	WDI-TS-141-19-20	10 DEC 97
12-304-13	WDI-TS-142-4-5	10 DEC 97
12-304-19	WDI-TS-142-Z	10 DEC 97
12-304-22	WDI-TS-142-17-18	10 DEC 97

PARAMETER	12-304-7	12-304-10	12-304-13	12-304-19	12-304-22
Iron (6010), mg/kg	6800	26000	3800	15000	26000
Semi-volatiles					

LOG NO: G97-12-304

Received: 10 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-304-7	WDI-TS-141-15.6-16	10 DEC 97
12-304-10	WDI-TS-141-19-20	10 DEC 97
12-304-13	WDI-TS-142-4-5	10 DEC 97
12-304-19	WDI-TS-142-Z	10 DEC 97
12-304-22	WDI-TS-142-17-18	10 DEC 97

PARAMETER	12-304-7	12-304-10	12-304-13	12-304-19	12-304-22
Simulated Distillation (D2887)					
Sample Amount, g	10G	10G	10G	10G	10.0G
Extract Volume, mL	10ML	10ML	10ML	10ML	10.0ML
Dilution Factor, Times	40	2	1	5	1
C10-C11, mg/kg	720	<10	<5	140	<5
C12-C13, mg/kg	1100	<10	<5	270	<5
C14-C15, mg/kg	1200	<10	<5	270	<5
C16-C17, mg/kg	1300	<10	<5	270	<5
C18-C19, mg/kg	1400	<10	<5	240	<5
C20-C23, mg/kg	2400	<10	<5	390	<5
C24-C27, mg/kg	2200	60	5.2	340	<5
C28-C31, mg/kg	2100	140	17	360	<5
C32-C35, mg/kg	1700	140	23	350	<5
C36-C39, mg/kg	1100	160	23	300	<5
C40-C43, mg/kg	630	140	12	180	<5
C44+, mg/kg	<200	48	<5	<30	<5
Total Hydrocarbon Matrix, mg/kg	16000	690	80	3100	<50
Other Simulated Distillation (D2887)	---	---	---	---	---
Surrogates **					
Naphthalene Reported, mg/kg	0 NC	6.35	11.3	10.4	8.20
Naphthalene Theoretical, mg/kg	10.0	10.0	10.0	10.0	10.0
o-Terphenyl Reported, mg/kg	0 NC	6.14	9.63	12.2	7.24
o-Terphenyl Theoretical, mg/kg	10.0	10.0	10.0	10.0	10.0

LOG NO: G97-12-304

Received: 10 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-304-16	WDI-TS-142-12.6-13	10 DEC 97
12-304-3	WDI-TS-141-2-3	10 DEC 97

PARAMETER	12-304-16	12-304-3	
Digestion (3050A), Date	12/18/97	12/18/97	
Furnace Digestion (3050), Date	12/18/97	12/18/97	
Pesticides			
PCBs			
Arsenic (7060), mg/kg	3.0	2.9	
Antimony (6010), mg/kg	<10	<10	
Barium (6010), mg/kg	190	59	
Beryllium (6010), mg/kg	0.30	0.15	
Cadmium (6010), mg/kg	<1	<1	
Chromium (6010), mg/kg	10	4.6	
Cobalt (6010), mg/kg	7.4	4.1	
Copper (6010), mg/kg	2.9	8.6	
Lead (6010), mg/kg	5.1	30	
Mercury (7471), mg/kg	<0.1	<0.1	
Molybdenum (6010), mg/kg	<2	<2	
Nickel (6010), mg/kg	15	8.0	
Selenium (7740), mg/kg	<0.4	<0.4	
Silver (6010), mg/kg	<1	<1	
Thallium (6010), mg/kg	<7	<7	
Vanadium (6010), mg/kg	20	11	
Zinc (6010), mg/kg	44	35	
Aluminum (6010), mg/kg	5100	2800	
Calcium (6010), mg/kg	6600	12000	
Iron (6010), mg/kg	15000	5500	
Semi-volatiles			

LOG NO: G97-12-304

Received: 10 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-304-16	WDI-TS-142-12.6-13	10 DEC 97
12-304-3	WDI-TS-141-2-3	10 DEC 97

PARAMETER	12-304-16	12-304-3
Simulated Distillation (D2887)		
Sample Amount, g	10G	10G
Extract Volume, mL	10ML	10ML
Dilution Factor, Times	1	5
C10-C11, mg/kg	<5	<30
C12-C13, mg/kg	<5	<30
C14-C15, mg/kg	<5	<30
C16-C17, mg/kg	<5	<30
C18-C19, mg/kg	<5	<30
C20-C23, mg/kg	<5	58
C24-C27, mg/kg	<5	190
C28-C31, mg/kg	<5	370
C32-C35, mg/kg	<5	410
C36-C39, mg/kg	<5	420
C40-C43, mg/kg	<5	420
C44+, mg/kg	<5	250
Total Hydrocarbon Matrix, mg/kg	<50	2100
Other Simulated Distillation (D2887)	---	---
Surrogates **		
Naphthalene Reported, mg/kg	11.2	7.18
Naphthalene Theoretical, mg/kg	10.0	10.0
o-Terphenyl Reported, mg/kg	9.46	8.34
o-Terphenyl Theoretical, mg/kg	10.0	10.0

LOG NO: G97-12-304

Received: 10 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
12-304-26	Trip Blank	10 DEC 97

PARAMETER	12-304-26
Canceled	

Greta Galoustian, Laboratory Director

The analytical results within this report relate only to the specific compounds and samples investigated and may not necessarily reflect other apparently similar material from the same or a similar location.

This report shall not be reproduced, except in full, without the written approval of VOC. No use of this report for promotional or advertising purposes is permitted without prior written VOC approval.

ANALYTICAL REPORT

Our Quality Control Is Your Quality Assurance

LOG NO: G97-12-103

Received: 03 DEC 97

Mailed:

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-1	WDI-TS-130-4.10A	03 DEC 97
12-103-2	WDI-TS-130-13A	03 DEC 97
12-103-3	WDI-TS-131-3.8A	03 DEC 97
12-103-4	WDI-TS-132-3.10A	03 DEC 97
12-103-5	WDI-TS-132-11A	03 DEC 97

PARAMETER	12-103-1	12-103-2	12-103-3	12-103-4	12-103-5
Volatile Organics (8260A)					
Date Analyzed	12/10/97	12/11/97	12/12/97	12/11/97	12/11/97
Date Extracted	12/10/97	12/11/97	12/12/97	12/11/97	12/11/97
Dilution Factor, Times	100	100	100	100	100
1,1,1-Trichloroethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
2-Chloroethylvinylether, mg/kg	<4	<4	<4	<4	<4
2-Hexanone, mg/kg	<5	<5	<5	<5	<5
Acetone, mg/kg	<10	<10	<10	<10	<10
Bromodichloromethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Bromomethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzene, mg/kg	<0.5	20	<0.5	<0.5	7.7
Bromoform, mg/kg	<0.5	<0.5		<0.5	<0.5
Carbon Tetrachloride, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Carbon Disulfide, mg/kg	<1	<1	<1	<1	<1

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-1	WDI-TS-130-4.10A	03 DEC 97
12-103-2	WDI-TS-130-13A	03 DEC 97
12-103-3	WDI-TS-131-3.8A	03 DEC 97
12-103-4	WDI-TS-132-3.10A	03 DEC 97
12-103-5	WDI-TS-132-11A	03 DEC 97

PARAMETER	12-103-1	12-103-2	12-103-3	12-103-4	12-103-5
Dibromochloromethane, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Methyl ethyl ketone, mg/kg	<3	<3	<3	<3	<3
Methyl isobutyl ketone, mg/kg	<3	<3	<3	<3	<3
Methylene chloride, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene, mg/kg	<0.5	62	<0.5	<0.5	<0.5
Tetrachloroethene, mg/kg	<0.5	450	<0.5	<0.5	<0.5
Vinyl acetate, mg/kg	<5	<5	<5	<5	<5
Vinyl chloride, mg/kg	<0.5	0.58	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene, mg/kg	<0.5	1.4	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Surrogates **					
4-Bromofluorobenzene Rep., mg/kg	5.94	5.90	6.00	5.86	7.00
4-Bromofluorobenzene Theo., mg/kg	5.00	5.00	5.00	5.00	5.00
Toluene-d8 Reported, mg/kg	5.74	5.24	6.24	5.40	7.19
Toluene-d8 Theo., mg/kg	5.00	5.00	5.00	5.00	5.00
Dibromofluoromethane Rep., mg/kg	5.08	2.56	5.69	4.86	6.00
Dibromofluoromethane Theo., mg/kg	5.00	2.50	5.00	5.00	5.00

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-6	WDI-TS-132-18A	03 DEC 97
12-103-7	WDI-TS-133-4.8A	03 DEC 97
12-103-8	WDI-TS-133-11.2A	03 DEC 97
12-103-9	WDI-TS-133-19.3A	03 DEC 97
12-103-10	WDI-TS-134-3.8A	03 DEC 97

PARAMETER	12-103-6	12-103-7	12-103-8	12-103-9	12-103-10
Volatile Organics (8260A)					
Date Analyzed	12/11/97	12/11/97	12/11/97	12/11/97	12/10/97
Date Extracted	12/11/97	12/11/97	12/11/97	12/11/97	12/10/97
Dilution Factor, Times	100	126	84	100	118
1,1,1-Trichloroethane, mg/kg	<0.5	<0.7	<0.5	<0.5	<0.6
1,1,2,2-Tetrachloroethane, mg/kg	<0.5	<0.7	<0.5	<0.5	<0.6
1,1,2-Trichloroethane, mg/kg	<0.5	<0.7	<0.5	<0.5	<0.6
1,1-Dichloroethane, mg/kg	<0.5	<0.7	<0.5	<0.5	<0.6
1,1-Dichloroethene, mg/kg	<0.5	<0.7	<0.5	<0.5	<0.6
1,2-Dibromoethane, mg/kg	<0.5	<0.7	<0.5	<0.5	<0.6
1,2-Dichloroethane, mg/kg	<0.5	<0.7	<0.5	<0.5	<0.6
1,2-Dichloropropane, mg/kg	<0.5	<0.7	<0.5	<0.5	<0.6
2-Chloroethylvinylether, mg/kg	<4	<5	<4	<4	<5
2-Hexanone, mg/kg	<5	<7	<5	<5	<6
Acetone, mg/kg	<10	<20	<9	<10	<20
Bromodichloromethane, mg/kg	<0.5	<0.7	<0.5	<0.5	<0.6
Bromomethane, mg/kg	<0.5	<0.7	<0.5	<0.5	<0.6
Benzene, mg/kg	<0.5	<0.7	5.0	<0.5	<0.6
Bromoform, mg/kg	<0.5	<0.7	<0.5	<0.5	<0.6
Carbon Tetrachloride, mg/kg	<0.5	<0.7	<0.5	<0.5	<0.6
Chloroethane, mg/kg	<0.5	<0.7	<0.5	<0.5	<0.6
Chloroform, mg/kg	<0.5	<0.7	<0.5	<0.5	<0.6
Chloromethane, mg/kg	<0.5	<0.7	<0.5	<0.5	<0.6

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-6	WDI-TS-132-18A	03 DEC 97
12-103-7	WDI-TS-133-4.8A	03 DEC 97
12-103-8	WDI-TS-133-11.2A	03 DEC 97
12-103-9	WDI-TS-133-19.3A	03 DEC 97
12-103-10	WDI-TS-134-3.8A	03 DEC 97

PARAMETER	12-103-6	12-103-7	12-103-8	12-103-9	12-103-10
Carbon Disulfide, mg/kg	<1	<2	<0.9	<1	<2
Dibromochloromethane, mg/kg	<0.5	<0.7	<0.5	<0.5	<0.6
Methyl ethyl ketone, mg/kg	<3	<4	<3	<3	<4
Methyl isobutyl ketone, mg/kg	<3	<4	<3	<3	<4
Methylene chloride, mg/kg	<0.5	<0.7	<0.5	3	<0.6
Trichloroethene, mg/kg	<0.5	<0.7	<0.5	<0.5	<0.6
Tetrachloroethene, mg/kg	<0.5	<0.7	<0.5	<0.5	<0.6
Vinyl acetate, mg/kg	<5	<7	<5	<5	<6
Vinyl chloride, mg/kg	<0.5	<0.7	<0.5	<0.5	<0.6
cis-1,2-Dichloroethene, mg/kg	<0.5	<0.7	<0.5	<0.5	<0.6
cis-1,3-Dichloropropene, mg/kg	<0.5	<0.7	<0.5	<0.5	<0.6
trans-1,2-Dichloroethene, mg/kg	<0.5	<0.7	<0.5	<0.5	<0.6
trans-1,3-Dichloropropene, mg/kg	<0.5	<0.7	<0.5	<0.5	<0.6
Surrogates **					
4-Bromofluorobenzene Rep., mg/kg	6.29	7.98	5.94	5.25	8.67
4-Bromofluorobenzene Theo., mg/kg	5.00	6.30	4.2	5.00	5.90
Toluene-d8 Reported, mg/kg	6.46	7.45	6.87	4.97	8.71
Toluene-d8 Theo., mg/kg	5.00	6.30	4.2	5.00	5.90
Dibromofluoromethane Rep., mg/kg	4.97	6.14	3.42	3.96	7.53
Dibromofluoromethane Theo., mg/kg	5.00	6.30	4.2	5.00	5.90

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-11	WDI-TS-134-11.3A	03 DEC 97
12-103-12	WDI-TS-135-2.4A	03 DEC 97
12-103-13	WDI-TS-135-13A	03 DEC 97

PARAMETER	12-103-11	12-103-12	12-103-13
Volatile Organics (8260A)			
Date Analyzed	12/10/97	12/10/97	12/10/97
Date Extracted	12/11/97	12/11/97	12/11/97
Dilution Factor, Times	100	100	120
1,1,1-Trichloroethane, mg/kg	<0.5	<0.5	<0.6
1,1,2,2-Tetrachloroethane, mg/kg	<0.5	<0.5	<0.6
1,1,2-Trichloroethane, mg/kg	<0.5	<0.5	<0.6
1,1-Dichloroethane, mg/kg	<0.5	<0.5	<0.6
1,1-Dichloroethene, mg/kg	<0.5	<0.5	<0.6
1,2-Dibromoethane, mg/kg	<0.5	<0.5	<0.6
1,2-Dichloroethane, mg/kg	<0.5	<0.5	<0.6
1,2-Dichloropropane, mg/kg	<0.5	<0.5	<0.6
2-Chloroethylvinylether, mg/kg	<4	<4	<5
2-Hexanone, mg/kg	<5	<5	<6
Acetone, mg/kg	<10	<10	<20
Bromodichloromethane, mg/kg	<0.5	<0.5	<0.6
Bromomethane, mg/kg	<0.5	<0.5	<0.6
Benzene, mg/kg	0.82	<0.5	<0.6
Bromoform, mg/kg	<0.5	<0.5	<0.6
Carbon Tetrachloride, mg/kg	<0.5	<0.5	<0.6
Chloroethane, mg/kg	<0.5	<0.5	<0.6
Chloroform, mg/kg	<0.5	<0.5	<0.6
Chloromethane, mg/kg	<0.5	<0.5	<0.6
Carbon Disulfide, mg/kg	<1	<1	<2
Dibromochloromethane, mg/kg	<0.5	<0.5	<0.6

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-11	WDI-TS-134-11.3A	03 DEC 97
12-103-12	WDI-TS-135-2.4A	03 DEC 97
12-103-13	WDI-TS-135-13A	03 DEC 97

PARAMETER	12-103-11	12-103-12	12-103-13
Methyl ethyl ketone, mg/kg	<3	<3	<4
Methyl isobutyl ketone, mg/kg	<3	<3	<4
Methylene chloride, mg/kg	<0.5	<0.5	<0.6
Trichloroethene, mg/kg	<0.5	<0.5	<0.6
Tetrachloroethene, mg/kg	<0.5	<0.5	<0.6
Vinyl acetate, mg/kg	<5	<5	<6
Vinyl chloride, mg/kg	<0.5	<0.5	<0.6
cis-1,2-Dichloroethene, mg/kg	<0.5	<0.5	1.1
cis-1,3-Dichloropropene, mg/kg	<0.5	<0.5	<0.6
trans-1,2-Dichloroethene, mg/kg	<0.5	<0.5	<0.6
trans-1,3-Dichloropropene, mg/kg	<0.5	<0.5	<0.6
Surrogates **			
4-Bromofluorobenzene Rep., mg/kg	7.10	6.99	8.99
4-Bromofluorobenzene Theo., mg/kg	5.00	5.00	6.00
Toluene-d8 Reported, mg/kg	7.50	7.18	9.79
Toluene-d8 Theo., mg/kg	5.00	5.00	6.00
Dibromofluoromethane Rep., mg/kg	6.26	6.15	7.39
Dibromofluoromethane Theo., mg/kg	5.00	5.00	6.00

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-14	WDI-TS-130-3.8-4.10	03 DEC 97
12-103-15	WDI-TS-130-12-13	03 DEC 97
12-103-16	WDI-TS-131-2.6-3.0	03 DEC 97
12-103-17	WDI-TS-132-2.9-3.10	03 DEC 97
12-103-18	WDI-TS-132-10-11	03 DEC 97

PARAMETER	12-103-14	12-103-15	12-103-16	12-103-17	12-103-18
Digestion (3050A), Date	12/10/97	12/10/97	12/10/97	12/10/97	12/10/97
Furnace Digestion (3050), Date	12/10/97	12/10/97	12/10/97	12/10/97	12/10/97

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-14	WDI-TS-130-3.8-4.10	03 DEC 97
12-103-15	WDI-TS-130-12-13	03 DEC 97
12-103-16	WDI-TS-131-2.6-3.0	03 DEC 97
12-103-17	WDI-TS-132-2.9-3.10	03 DEC 97
12-103-18	WDI-TS-132-10-11	03 DEC 97

PARAMETER	12-103-14	12-103-15	12-103-16	12-103-17	12-103-18
Pesticides (8080)					
Date Analyzed	01/14/98	01/14/98	01/14/98	01/16/98	01/16/98
Date Extracted	12/10/97	12/10/97	12/10/97	12/10/97	12/10/97
Dilution Factor, Times	1	5	1	10	25
Aldrin, mg/kg	<0.002	<0.01	<0.002	<0.02	<0.05
Chlordane, mg/kg	<0.03	<0.2	<0.03	<0.3	<0.8
p,p'-DDD, mg/kg	0.0045	<0.005	<0.001	<0.01	<0.03
p,p'-DDE, mg/kg	0.082	0.019	<0.001	<0.01	<0.03
p,p'-DDT, mg/kg	<0.001	<0.005	<0.001	<0.01	<0.03
Dieldrin, mg/kg	<0.001	<0.005	<0.001	<0.01	<0.03
Endosulfan I, mg/kg	<0.002	<0.01	<0.002	<0.02	<0.05
Endosulfan II, mg/kg	<0.001	<0.005	<0.001	<0.01	<0.03
Endosulfan sulfate, mg/kg	<0.002	<0.01	<0.002	<0.02	<0.05
Endrin, mg/kg	<0.001	<0.005	<0.001	<0.01	<0.03
Endrin aldehyde, mg/kg	<0.001	<0.005	<0.001	<0.01	<0.03
Endrin Ketone, mg/kg	<0.001	<0.005	<0.001	<0.01	<0.03
Heptachlor epoxide, mg/kg	<0.003	<0.02	<0.003	<0.03	<0.08
Heptachlor, mg/kg	<0.001	<0.005	<0.001	<0.01	<0.03
Methoxychlor, mg/kg	<0.001	<0.005	<0.001	0.032	<0.03
Toxaphene, mg/kg	<0.1	<0.5	<0.1	<1	<3
BHC, alpha isomer, mg/kg	<0.002	<0.01	<0.002	<0.02	<0.05
BHC, beta isomer, mg/kg	<0.002	<0.01	<0.002	<0.02	<0.05
BHC, delta isomer, mg/kg	<0.001	<0.005	<0.001	<0.01	<0.03

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-14	WDI-TS-130-3.8-4.10	03 DEC 97
12-103-15	WDI-TS-130-12-13	03 DEC 97
12-103-16	WDI-TS-131-2.6-3.0	03 DEC 97
12-103-17	WDI-TS-132-2.9-3.10	03 DEC 97
12-103-18	WDI-TS-132-10-11	03 DEC 97

PARAMETER	12-103-14	12-103-15	12-103-16	12-103-17	12-103-18
BHC, gamma isomer (Lindane), mg/kg	<0.0007	<0.004	<0.0007	<0.007	<0.02
Surrogates **					
Decachlorobiphenyl Reported, mg/kg	0.0053	0.0096	0.0080	0.0086	0.0063
Decachlorobiphenyl Theoretical, mg/kg	0.0083	0.0083	0.0083	0.0083	0.0083
Tetrachloro-meta-xylene Rpt., mg/kg	0.0059	0.0156	0.0066	0.0036	0.0096
Tetrachloro-meta-xylene Theor., mg/kg	0.0083	0.0083	0.0083	0.0083	0.0083

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-14	WDI-TS-130-3.8-4.10	03 DEC 97
12-103-15	WDI-TS-130-12-13	03 DEC 97
12-103-16	WDI-TS-131-2.6-3.0	03 DEC 97
12-103-17	WDI-TS-132-2.9-3.10	03 DEC 97
12-103-18	WDI-TS-132-10-11	03 DEC 97

PARAMETER	12-103-14	12-103-15	12-103-16	12-103-17	12-103-18
PCBs (8080)					
Date Analyzed	01/08/98	01/09/98	01/14/98	01/15/98	01/14/98
Date Extracted	12/10/97	12/10/97	12/10/97	12/10/97	12/10/97
Dilution Factor, Times	1	2	1	10	10
Aroclor 1016, mg/kg	<0.03	<0.06	<0.03	<0.3	<0.3
Aroclor 1221, mg/kg	<0.03	<0.06	<0.03	<0.3	<0.3
Aroclor 1232, mg/kg	<0.03	<0.06	<0.03	<0.3	<0.3
Aroclor 1242, mg/kg	<0.03	<0.06	<0.03	<0.3	<0.3
Aroclor 1248, mg/kg	<0.03	<0.06	<0.03	<0.3	<0.3
Aroclor 1254, mg/kg	<0.03	<0.06	<0.03	1.8	<0.3
Aroclor 1260, mg/kg	<0.03	<0.06	<0.03	<0.3	<0.3
Surrogates **					
Decachlorobiphenyl Reported, mg/kg	0.0068	0.0096	0.0080	0 NC	0.0071
Decachlorobiphenyl Theoretical, mg/kg	0.0083	0.0083	0.0083	0.0083	0.0083
Tetrachloro-meta-xylene Rpt., mg/kg	0.0053	0.0124	0.0066	0.0073	0.0123
Tetrachloro-meta-xylene Theor., mg/kg	0.0083	0.0083	0.0083	0.0083	0.0083
Arsenic (7060), mg/kg	13	3.9	5.2	23	21
Antimony (6010), mg/kg	<10	<10	<10	<10	<10
Barium (6010), mg/kg	1300	470	150	1600	1300

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-14	WDI-TS-130-3.8-4.10	03 DEC 97
12-103-15	WDI-TS-130-12-13	03 DEC 97
12-103-16	WDI-TS-131-2.6-3.0	03 DEC 97
12-103-17	WDI-TS-132-2.9-3.10	03 DEC 97
12-103-18	WDI-TS-132-10-11	03 DEC 97

PARAMETER	12-103-14	12-103-15	12-103-16	12-103-17	12-103-18
Beryllium (6010), mg/kg	0.58	0.23	0.64	0.45	0.37
Cadmium (6010), mg/kg	<1	2.3	<1	<1	1.6
Chromium (6010), mg/kg	51	58	24	64	68
Cobalt (6010), mg/kg	10	8.3	16	11	9.4
Copper (6010), mg/kg	91	66	21	160	110
Lead (6010), mg/kg	460	320	10	850	760
Mercury (7471), mg/kg	0.13	0.34	<0.1	0.11	0.33
Molybdenum (6010), mg/kg	<2	2.3	<2	3.5	3.8
Nickel (6010), mg/kg	22	21	17	27	24
Selenium (7740), mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Silver (6010), mg/kg	<1	<1	<1	<1	<1
Thallium (6010), mg/kg	<7	<7	<7	<7	<7
Vanadium (6010), mg/kg	35	14	49	35	26
Zinc (6010), mg/kg	260	230	52	310	300
Aluminum (6010), mg/kg	11000	4500	10000	11000	7700
Calcium (6010), mg/kg	30000	15000	2200	20000	18000
Iron (6010), mg/kg	21000	28000	25000	20000	17000

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-14	WDI-TS-130-3.8-4.10	03 DEC 97
12-103-15	WDI-TS-130-12-13	03 DEC 97
12-103-16	WDI-TS-131-2.6-3.0	03 DEC 97
12-103-17	WDI-TS-132-2.9-3.10	03 DEC 97
12-103-18	WDI-TS-132-10-11	03 DEC 97

PARAMETER	12-103-14	12-103-15	12-103-16	12-103-17	12-103-18
Semi-volatiles (8270)					
Date Analyzed	12/26/97	12/09/97	12/09/97	12/26/97	12/09/97
Date Extracted	12/05/97	12/05/97	12/05/97	12/05/97	12/05/97
Dilution Factor, Times	25	25	1	10	25
1,2,4-Trichlorobenzene, mg/kg	<5	<5	<0.2	<2	<5
1,2-Dichlorobenzene, mg/kg	<5	13	<0.2	<2	<5
1,2-Diphenylhydrazine, mg/kg	<5	<5	<0.2	<2	<5
1,3-Dichlorobenzene, mg/kg	<5	<5	<0.2	<2	<5
1,4-Dichlorobenzene, mg/kg	<5	<5	<0.2	<2	<5
2,4,5-Trichlorophenol, mg/kg	<5	<5	<0.2	<2	<5
2,4,6-Trichlorophenol, mg/kg	<5	<5	<0.2	<2	<5
2,4-Dichlorophenol, mg/kg	<5	<5	<0.2	<2	<5
2,4-Dimethylphenol, mg/kg	<5	<5	<0.2	<2	<5
2,4-Dinitrophenol, mg/kg	<10	<10	<0.4	<4	<10
2,4-Dinitrotoluene, mg/kg	<5	<5	<0.2	<2	<5
2,6-Dinitrotoluene, mg/kg	<5	<5	<0.2	<2	<5
2-Chloronaphthalene, mg/kg	<5	<5	<0.2	<2	<5
2-Chlorophenol, mg/kg	<5	<5	<0.2	<2	<5
2-Methyl-4,6-dinitrophenol, mg/kg	<10	<10	<0.4	<4	<10
2-Methylnaphthalene, mg/kg	<5	30	<0.2	<2	23
2-Methylphenol (o-Cresol), mg/kg	<5	<5	<0.2	<2	<5
2-Nitroaniline, mg/kg	<5	<5	<0.2	<2	<5
2-Nitrophenol, mg/kg	<5	<5	<0.2	<2	<5

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-14	WDI-TS-130-3.8-4.10	03 DEC 97
12-103-15	WDI-TS-130-12-13	03 DEC 97
12-103-16	WDI-TS-131-2.6-3.0	03 DEC 97
12-103-17	WDI-TS-132-2.9-3.10	03 DEC 97
12-103-18	WDI-TS-132-10-11	03 DEC 97

PARAMETER	12-103-14	12-103-15	12-103-16	12-103-17	12-103-18
3,3'-Dichlorobenzidine, mg/kg	<20	<20	<0.6	<6	<20
3-Nitroaniline, mg/kg	<5	<5	<0.2	<2	<5
4-Bromophenylphenylether, mg/kg	<5	<5	<0.2	<2	<5
4-Chloro-3-methylphenol, mg/kg	<5	<5	<0.2	<2	<5
4-Chloroaniline, mg/kg	<5	<5	<0.2	<2	<5
4-Chlorophenylphenylether, mg/kg	<5	<5	<0.2	<2	<5
4-Methylphenol (p-Cresol), mg/kg	<10	<10	<0.4	<4	<10
4-Nitroaniline, mg/kg	<5	<5	<0.2	<2	<5
4-Nitrophenol, mg/kg	<10	<10	<0.4	<4	<10
Acenaphthene, mg/kg	<5	<5	<0.2	<2	<5
Acenaphthylene, mg/kg	<5	<5	<0.2	<2	<5
Aniline, mg/kg	<5	<5	<0.2	<2	<5
Anthracene, mg/kg	<5	<5	<0.2	<2	<5
Benzidine, mg/kg	<100	<100	<4	<40	<100
Benzo(a)anthracene, mg/kg	<5	<5	<0.2	<2	<5
Benzo(a)pyrene, mg/kg	<5	<5	<0.2	<2	<5
Benzo(b)fluoranthene, mg/kg	<5	<5	<0.2	<2	<5
Benzo(g,h,i)perylene, mg/kg	<5	<5	<0.2	<2	<5
Benzo(k)fluoranthene, mg/kg	<5	<5	<0.2	<2	<5
Benzyl Alcohol, mg/kg	<10	<10	<0.4	<4	<10
Benzoic acid, mg/kg	<50	<50	<2	<20	<50
Butylbenzylphthalate, mg/kg	<5	<5	<0.2	<2	<5
Chrysene, mg/kg	<5	<5	<0.2	<2	<5

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-14	WDI-TS-130-3.8-4.10	03 DEC 97
12-103-15	WDI-TS-130-12-13	03 DEC 97
12-103-16	WDI-TS-131-2.6-3.0	03 DEC 97
12-103-17	WDI-TS-132-2.9-3.10	03 DEC 97
12-103-18	WDI-TS-132-10-11	03 DEC 97

PARAMETER	12-103-14	12-103-15	12-103-16	12-103-17	12-103-18
Di-n-octylphthalate, mg/kg	<5	<5	<0.2	<2	<5
Dibenzo(a,h)anthracene, mg/kg	<5	<5	<0.2	<2	<5
Dibenzofuran, mg/kg	<5	<5	<0.2	<2	<5
Dibutylphthalate, mg/kg	<5	<5	<0.2	<2	<5
Diethylphthalate, mg/kg	<5	<5	<0.2	<2	<5
Dimethylphthalate, mg/kg	<5	<5	<0.2	<2	<5
Fluoranthene, mg/kg	<5	<5	<0.2	<2	<5
Fluorene, mg/kg	<5	<5	<0.2	<2	<5
Hexachlorobenzene, mg/kg	<5	<5	<0.2	<2	<5
Hexachlorobutadiene, mg/kg	<5	<5	<0.2	<2	<5
Hexachlorocyclopentadiene, mg/kg	<10	<10	<0.4	<4	<10
Hexachloroethane, mg/kg	<5	<5	<0.2	<2	<5
Indeno(1,2,3-c,d)pyrene, mg/kg	<5	<5	<0.2	<2	<5
Isophorone, mg/kg	<5	<5	<0.2	<2	<5
N-Nitrosodimethylamine, mg/kg	<5	<5	<0.2	<2	<5
N-Nitrosodiphenylamine, mg/kg	<5	<5	<0.2	<2	<5
N-Nitrosodi-n-propylamine, mg/kg	<5	<5	<0.2	<2	<5
Nitrobenzene, mg/kg	<5	<5	<0.2	<2	<5
Naphthalene, mg/kg	<5	9.9	<0.2	<2	8.6
Phenanthrene, mg/kg	<5	6.2	<0.2	<2	7.4
Phenol, mg/kg	<5	<5	<0.2	<2	<5
Pentachlorophenol, mg/kg	<10	<10	<0.4	<4	<10
Pyrene, mg/kg	<5	<5	<0.2	<2	<5

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-14	WDI-TS-130-3.8-4.10	03 DEC 97
12-103-15	WDI-TS-130-12-13	03 DEC 97
12-103-16	WDI-TS-131-2.6-3.0	03 DEC 97
12-103-17	WDI-TS-132-2.9-3.10	03 DEC 97
12-103-18	WDI-TS-132-10-11	03 DEC 97

PARAMETER	12-103-14	12-103-15	12-103-16	12-103-17	12-103-18
Pyridine, mg/kg	<10	<10	<0.4	<4	<10
Bis(2-chloroethoxy)methane, mg/kg	<5	<5	<0.2	<2	<5
Bis(2-chloroethyl)ether, mg/kg	<5	<5	<0.2	<2	<5
Bis(2-chloroisopropyl)ether, mg/kg	<5	<5	<0.2	<2	<5
Bis(2-ethylhexyl)phthalate, mg/kg	<10	<10	<0.4	<4	<10
Surrogates **					
2-Fluorobiphenyl Reported, mg/kg	0 NC	0 NC	1.80	0 NC	0 NC
2-Fluorobiphenyl Theo., mg/kg	1.67	1.67	1.67	1.67	1.67
2-Fluorophenol Reported, mg/kg	0 NC	0 NC	2.22	0 NC	0 NC
2-Fluorophenol Theoretical, mg/kg	2.50	2.50	2.50	2.50	2.50
2,4,6-Tribromophenol Rep., mg/kg	0 NC	0 NC	2.77	0 NC	0 NC
2,4,6-Tribromophenol Theo., mg/kg	2.50	2.50	2.50	2.50	2.50
Nitrobenzene-d5 Reported, mg/kg	0 NC	0 NC	1.73	0 NC	0 NC
Nitrobenzene-d5 Theoretical, mg/kg	1.67	1.67	1.67	1.67	1.67
Phenol-d5 Reported, mg/kg	0 NC	0 NC	2.43	0 NC	0 NC
Phenol-d5 Theoretical, mg/kg	2.50	2.50	2.50	2.50	2.50
Terphenyl-d14 Reported, mg/kg	0 NC	0 NC	1.51	0 NC	0 NC
Terphenyl-d14 Theoretical, mg/kg	1.67	1.67	1.67	1.67	1.67

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-14	WDI-TS-130-3.8-4.10	03 DEC 97
12-103-15	WDI-TS-130-12-13	03 DEC 97
12-103-16	WDI-TS-131-2.6-3.0	03 DEC 97
12-103-17	WDI-TS-132-2.9-3.10	03 DEC 97
12-103-18	WDI-TS-132-10-11	03 DEC 97

PARAMETER	12-103-14	12-103-15	12-103-16	12-103-17	12-103-18
Simulated Distillation (D2887)					
Sample Amount, g	10	10	10	10	10
Extract Volume, mL	10	10	10	10	10
Dilution Factor, Times	10	100	10	50	200
C10-C11, mg/kg	<50	1800	<5	<300	<1000
C12-C13, mg/kg	<50	3200	<5	<300	1500
C14-C15, mg/kg	<50	3500	<5	<300	2300
C16-C17, mg/kg	<50	3500	<5	<300	3500
C18-C19, mg/kg	82	3000	<5	370	4600
C20-C23, mg/kg	280	3500	<5	1000	9300
C24-C27, mg/kg	560	2400	<5	1200	8800
C28-C31, mg/kg	490	2400	<5	1600	8900
C32-C35, mg/kg	570	1800	<5	1200	6300
C36-C39, mg/kg	510	1200	<5	880	3800
C40-C43, mg/kg	340	<500	<5	<300	<1000
C44+, mg/kg	<50	<500	<5	<300	<1000
Total Hydrocarbon Matrix, mg/kg	2900	26000	<50	6500	49000
Other Simulated Distillation (D2887)	---	---	---	---	---
Surrogates **					
Naphthalene Reported, mg/kg	NC	NC	6.58	NC	NC
Naphthalene Theoretical, mg/kg	10.0	10.0	10.0	10.0	10.0
o-Terphenyl Reported, mg/kg	NC	NC	6.86	NC	NC
o-Terphenyl Theoretical, mg/kg	10.0	10.0	10.0	10.0	10.0

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-19	WDI-TS-132-17.2-18	03 DEC 97
12-103-20	WDI-TS-133-3.8-4.8	03 DEC 97
12-103-21	WDI-TS-133-10.5-11.2	03 DEC 97
12-103-22	WDI-TS-133-19.3-20	03 DEC 97
12-103-23	WDI-TS-134-2.8-3.8	03 DEC 97

PARAMETER	12-103-19	12-103-20	12-103-21	12-103-22	12-103-23
Digestion (3050A), Date	12/10/97	12/10/97	12/10/97	12/10/97	12/10/97
Furnace Digestion (3050), Date	12/10/97	12/10/97	12/10/97	12/10/97	12/10/97

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-19	WDI-TS-132-17.2-18	03 DEC 97
12-103-20	WDI-TS-133-3.8-4.8	03 DEC 97
12-103-21	WDI-TS-133-10.5-11.2	03 DEC 97
12-103-22	WDI-TS-133-19.3-20	03 DEC 97
12-103-23	WDI-TS-134-2.8-3.8	03 DEC 97

PARAMETER	12-103-19	12-103-20	12-103-21	12-103-22	12-103-23
Pesticides (8080)					
Date Analyzed	01/14/98	01/14/98	01/19/98	01/03/98	01/16/98
Date Extracted	12/10/97	12/10/97	12/10/97	12/10/97	12/10/97
Dilution Factor, Times	1	1	20	1	20
Aldrin, mg/kg	<0.002	0.0020	<0.04	<0.002	<0.04
Chlordane, mg/kg	<0.03	<0.03	<0.6	<0.03	<0.6
p,p'-DDD, mg/kg	<0.001	<0.001	<0.02	<0.001	<0.02
p,p'-DDE, mg/kg	<0.001	0.0026	0.020	<0.001	<0.02
p,p'-DDT, mg/kg	<0.001	<0.001	<0.02	<0.001	<0.02
Dieldrin, mg/kg	<0.001	<0.001	<0.02	<0.001	<0.02
Endosulfan I, mg/kg	<0.002	<0.002	<0.04	<0.002	<0.04
Endosulfan II, mg/kg	<0.001	<0.001	<0.02	<0.001	<0.02
Endosulfan sulfate, mg/kg	<0.002	<0.002	<0.04	<0.002	<0.04
Endrin, mg/kg	<0.001	<0.001	<0.02	<0.001	<0.02
Endrin aldehyde, mg/kg	<0.001	<0.001	<0.02	<0.001	<0.02
Endrin Ketone, mg/kg	<0.001	<0.001	<0.02	<0.001	<0.02
Heptachlor epoxide, mg/kg	<0.003	<0.003	<0.06	<0.003	<0.06
Heptachlor, mg/kg	<0.001	<0.001	<0.02	<0.001	<0.02
Methoxychlor, mg/kg	<0.001	<0.001	<0.02	<0.001	<0.02
Toxaphene, mg/kg	<0.1	<0.1	<2	<0.1	<2
BHC, alpha isomer, mg/kg	<0.002	<0.002	<0.04	<0.002	<0.04
BHC, beta isomer, mg/kg	<0.002	<0.002	<0.04	<0.002	<0.04
BHC, delta isomer, mg/kg	<0.001	<0.001	<0.02	<0.001	<0.02

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-19	WDI-TS-132-17.2-18	03 DEC 97
12-103-20	WDI-TS-133-3.8-4.8	03 DEC 97
12-103-21	WDI-TS-133-10.5-11.2	03 DEC 97
12-103-22	WDI-TS-133-19.3-20	03 DEC 97
12-103-23	WDI-TS-134-2.8-3.8	03 DEC 97

PARAMETER	12-103-19	12-103-20	12-103-21	12-103-22	12-103-23
BHC, gamma isomer (Lindane), mg/kg	<0.0007	<0.0007	<0.02	<0.0007	<0.02
Surrogates **					
Decachlorobiphenyl Reported, mg/kg	0.0074	0.0067	0 NC	0.0075	0.0046
Decachlorobiphenyl Theoretical, mg/kg	0.0083	0.0083	0.0083	0.0083	0.0083
Tetrachloro-meta-xylene Rpt., mg/kg	0.0063	0.0044	0.0047	0.0067	0.0053
Tetrachloro-meta-xylene Theor., mg/kg	0.0083	0.0083	0.0083	0.0083	0.0083

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-19	WDI-TS-132-17.2-18	03 DEC 97
12-103-20	WDI-TS-133-3.8-4.8	03 DEC 97
12-103-21	WDI-TS-133-10.5-11.2	03 DEC 97
12-103-22	WDI-TS-133-19.3-20	03 DEC 97
12-103-23	WDI-TS-134-2.8-3.8	03 DEC 97

PARAMETER	12-103-19	12-103-20	12-103-21	12-103-22	12-103-23
PCBs (8080)					
Date Analyzed	01/08/98	01/14/98	01/15/98	01/03/98	01/15/98
Date Extracted	12/10/97	12/10/97	12/10/97	12/10/97	12/10/97
Dilution Factor, Times	1	1	10	1	5
Aroclor 1016, mg/kg	<0.03	<0.03	<0.3	<0.03	<0.2
Aroclor 1221, mg/kg	<0.03	<0.03	<0.3	<0.03	<0.2
Aroclor 1232, mg/kg	<0.03	<0.03	<0.3	<0.03	<0.2
Aroclor 1242, mg/kg	<0.03	<0.03	<0.3	<0.03	<0.2
Aroclor 1248, mg/kg	<0.03	<0.03	<0.3	<0.03	<0.2
Aroclor 1254, mg/kg	<0.03	<0.03	<0.3	<0.03	<0.2
Aroclor 1260, mg/kg	<0.03	<0.03	<0.3	<0.03	<0.2
Surrogates **					
Decachlorobiphenyl Reported, mg/kg	0.0170	0.0067	0 NC	0.0075	0 NC
Decachlorobiphenyl Theoretical, mg/kg	0.0083	0.0083	0.0083	0.0083	0.0083
Tetrachloro-meta-xylene Rpt., mg/kg	0.0071	0.0044	0.0102	0.0067	0 NC
Tetrachloro-meta-xylene Theor., mg/kg	0.0083	0.0083	0.0083	0.0083	0.0083
Arsenic (7060), mg/kg	8.8	4.9	4.5	6.9	1.8
Antimony (6010), mg/kg	<10	<10	<10	<10	<10
Barium (6010), mg/kg	160	410	2600	82	140

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-19	WDI-TS-132-17.2-18	03 DEC 97
12-103-20	WDI-TS-133-3.8-4.8	03 DEC 97
12-103-21	WDI-TS-133-10.5-11.2	03 DEC 97
12-103-22	WDI-TS-133-19.3-20	03 DEC 97
12-103-23	WDI-TS-134-2.8-3.8	03 DEC 97

PARAMETER	12-103-19	12-103-20	12-103-21	12-103-22	12-103-23
Beryllium (6010), mg/kg	0.83	0.57	0.30	0.54	0.22
Cadmium (6010), mg/kg	<1	<1	4.5	<1	<1
Chromium (6010), mg/kg	33	14	44	22	13
Cobalt (6010), mg/kg	17	<4	6.5	13	5.8
Copper (6010), mg/kg	35	56	53	28	18
Lead (6010), mg/kg	13	100	2500	10	41
Mercury (7471), mg/kg	<0.1	<0.1	0.17	<0.1	<0.1
Molybdenum (6010), mg/kg	<2	<2	3.7	<2	<2
Nickel (6010), mg/kg	23	6.3	22	18	8.5
Selenium (7740), mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Silver (6010), mg/kg	<1	<1	<1	<1	<1
Thallium (6010), mg/kg	<7	<7	<7	<7	<7
Vanadium (6010), mg/kg	64	17	15	40	17
Zinc (6010), mg/kg	66	86	680	57	130
Aluminum (6010), mg/kg	23000	10000	5300	11000	5600
Calcium (6010), mg/kg	2800	150000	28000	2500	13000
Iron (6010), mg/kg	35000	8700	13000	23000	11000

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-19	WDI-TS-132-17.2-18	03 DEC 97
12-103-20	WDI-TS-133-3.8-4.8	03 DEC 97
12-103-21	WDI-TS-133-10.5-11.2	03 DEC 97
12-103-22	WDI-TS-133-19.3-20	03 DEC 97
12-103-23	WDI-TS-134-2.8-3.8	03 DEC 97

PARAMETER	12-103-19	12-103-20	12-103-21	12-103-22	12-103-23
Semi-volatiles (8270)					
Date Analyzed	12/09/97	12/09/97	12/26/97	12/09/97	12/18/97
Date Extracted	12/05/97	12/05/97	12/05/97	12/05/97	12/05/97
Dilution Factor, Times	5	1	50	1	25
1,2,4-Trichlorobenzene, mg/kg	<1	<0.2	<10	<0.2	<5
1,2-Dichlorobenzene, mg/kg	<1	<0.2	<10	<0.2	<5
1,2-Diphenylhydrazine, mg/kg	<1	<0.2	<10	<0.2	<5
1,3-Dichlorobenzene, mg/kg	<1	<0.2	<10	<0.2	<5
1,4-Dichlorobenzene, mg/kg	<1	<0.2	<10	<0.2	<5
2,4,5-Trichlorophenol, mg/kg	<1	<0.2	<10	<0.2	<5
2,4,6-Trichlorophenol, mg/kg	<1	<0.2	<10	<0.2	<5
2,4-Dichlorophenol, mg/kg	<1	<0.2	<10	<0.2	<5
2,4-Dimethylphenol, mg/kg	<1	<0.2	<10	<0.2	<5
2,4-Dinitrophenol, mg/kg	<2	<0.4	<20	<0.4	<10
2,4-Dinitrotoluene, mg/kg	<1	<0.2	<10	<0.2	<5
2,6-Dinitrotoluene, mg/kg	<1	<0.2	<10	<0.2	<5
2-Chloronaphthalene, mg/kg	<1	<0.2	<10	<0.2	<5
2-Chlorophenol, mg/kg	<1	<0.2	<10	<0.2	<5
2-Methyl-4,6-dinitrophenol, mg/kg	<2	<0.4	<20	<0.4	<10
2-Methylnaphthalene, mg/kg	<1	<0.2	26	<0.2	<5
2-Methylphenol (o-Cresol), mg/kg	<1	<0.2	<10	<0.2	<5
2-Nitroaniline, mg/kg	<1	<0.2	<10	<0.2	<5
2-Nitrophenol, mg/kg	<1	<0.2	<10	<0.2	<5

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-19	WDI-TS-132-17.2-18	03 DEC 97
12-103-20	WDI-TS-133-3.8-4.8	03 DEC 97
12-103-21	WDI-TS-133-10.5-11.2	03 DEC 97
12-103-22	WDI-TS-133-19.3-20	03 DEC 97
12-103-23	WDI-TS-134-2.8-3.8	03 DEC 97

PARAMETER	12-103-19	12-103-20	12-103-21	12-103-22	12-103-23
3,3'-Dichlorobenzidine, mg/kg	<3	<0.6	<30	<0.6	<20
3-Nitroaniline, mg/kg	<1	<0.2	<10	<0.2	<5
4-Bromophenylphenylether, mg/kg	<1	<0.2	<10	<0.2	<5
4-Chloro-3-methylphenol, mg/kg	<1	<0.2	<10	<0.2	<5
4-Chloroaniline, mg/kg	<1	<0.2	<10	<0.2	<5
4-Chlorophenylphenylether, mg/kg	<1	<0.2	<10	<0.2	<5
4-Methylphenol (p-Cresol), mg/kg	<2	<0.4	<20	<0.4	<10
4-Nitroaniline, mg/kg	<1	<0.2	<10	<0.2	<5
4-Nitrophenol, mg/kg	<2	<0.4	<20	<0.4	<10
Acenaphthene, mg/kg	<1	<0.2	<10	<0.2	<5
Acenaphthylene, mg/kg	<1	<0.2	<10	<0.2	<5
Aniline, mg/kg	<1	<0.2	<10	<0.2	<5
Anthracene, mg/kg	<1	<0.2	<10	<0.2	<5
Benzidine, mg/kg	<20	<4	<200	<4	<100
Benzo(a)anthracene, mg/kg	<1	<0.2	<10	<0.2	<5
Benzo(a)pyrene, mg/kg	<1	<0.2	<10	<0.2	<5
Benzo(b)fluoranthene, mg/kg	<1	<0.2	<10	<0.2	<5
Benzo(g,h,i)perylene, mg/kg	<1	<0.2	<10	<0.2	<5
Benzo(k)fluoranthene, mg/kg	<1	<0.2	<10	<0.2	<5
Benzyl Alcohol, mg/kg	<2	<0.4	<20	<0.4	<10
Benzoic acid, mg/kg	<10	<2	<100	<2	<50
Butylbenzylphthalate, mg/kg	<1	<0.2	<10	<0.2	<5
Chrysene, mg/kg	<1	<0.2	<10	<0.2	<5

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-19	WDI-TS-132-17.2-18	03 DEC 97
12-103-20	WDI-TS-133-3.8-4.8	03 DEC 97
12-103-21	WDI-TS-133-10.5-11.2	03 DEC 97
12-103-22	WDI-TS-133-19.3-20	03 DEC 97
12-103-23	WDI-TS-134-2.8-3.8	03 DEC 97

PARAMETER	12-103-19	12-103-20	12-103-21	12-103-22	12-103-23
Di-n-octylphthalate, mg/kg	<1	<0.2	<10	<0.2	<5
Dibenzo(a,h)anthracene, mg/kg	<1	<0.2	<10	<0.2	<5
Dibenzofuran, mg/kg	<1	<0.2	<10	<0.2	<5
Dibutylphthalate, mg/kg	<1	<0.2	<10	<0.2	<5
Diethylphthalate, mg/kg	<1	<0.2	<10	<0.2	<5
Dimethylphthalate, mg/kg	<1	<0.2	<10	<0.2	<5
Fluoranthene, mg/kg	<1	<0.2	<10	<0.2	<5
Fluorene, mg/kg	<1	<0.2	<10	<0.2	<5
Hexachlorobenzene, mg/kg	<1	<0.2	<10	<0.2	<5
Hexachlorobutadiene, mg/kg	<1	<0.2	<10	<0.2	<5
Hexachlorocyclopentadiene, mg/kg	<2	<0.4	<20	<0.4	<10
Hexachloroethane, mg/kg	<1	<0.2	<10	<0.2	<5
Indeno(1,2,3-c,d)pyrene, mg/kg	<1	<0.2	<10	<0.2	<5
Isophorone, mg/kg	<1	<0.2	<10	<0.2	<5
N-Nitrosodimethylamine, mg/kg	<1	<0.2	<10	<0.2	<5
N-Nitrosodiphenylamine, mg/kg	<1	<0.2	<10	<0.2	<5
N-Nitrosodi-n-propylamine, mg/kg	<1	<0.2	<10	<0.2	<5
Nitrobenzene, mg/kg	<1	<0.2	<10	<0.2	<5
Naphthalene, mg/kg	<1	<0.2	<10	<0.2	<5
Phenanthrene, mg/kg	<1	<0.2	<10	<0.2	<5
Phenol, mg/kg	<1	<0.2	<10	<0.2	<5
Pentachlorophenol, mg/kg	<2	<0.4	<20	<0.4	<10
Pyrene, mg/kg	<1	<0.2	<10	<0.2	<5

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-19	WDI-TS-132-17.2-18	03 DEC 97
12-103-20	WDI-TS-133-3.8-4.8	03 DEC 97
12-103-21	WDI-TS-133-10.5-11.2	03 DEC 97
12-103-22	WDI-TS-133-19.3-20	03 DEC 97
12-103-23	WDI-TS-134-2.8-3.8	03 DEC 97

PARAMETER	12-103-19	12-103-20	12-103-21	12-103-22	12-103-23
Pyridine, mg/kg	<2	<0.4	<20	<0.4	<10
Bis(2-chloroethoxy)methane, mg/kg	<1	<0.2	<10	<0.2	<5
Bis(2-chloroethyl)ether, mg/kg	<1	<0.2	<10	<0.2	<5
Bis(2-chloroisopropyl)ether, mg/kg	<1	<0.2	<10	<0.2	<5
Bis(2-ethylhexyl)phthalate, mg/kg	<2	<0.4	<20	<0.4	<10
Surrogates **					
2-Fluorobiphenyl Reported, mg/kg	1.45	0 NC	0 NC	1.51	0 NC
2-Fluorobiphenyl Theo., mg/kg	1.67	1.67	1.67	1.67	1.67
2-Fluorophenol Reported, mg/kg	1.62	0 NC	0 NC	1.76	0 NC
2-Fluorophenol Theoretical, mg/kg	2.50	2.50	2.50	2.50	2.50
2,4,6-Tribromophenol Rep., mg/kg	1.97	0 NC	0 NC	2.57	0 NC
2,4,6-Tribromophenol Theo., mg/kg	2.50	2.50	2.50	2.50	2.50
Nitrobenzene-d5 Reported, mg/kg	1.39	0 NC	0 NC	1.37	0 NC
Nitrobenzene-d5 Theoretical, mg/kg	1.67	1.67	1.67	1.67	1.67
Phenol-d5 Reported, mg/kg	1.76	0 NC	0 NC	1.95	0 NC
Phenol-d5 Theoretical, mg/kg	2.50	2.50	2.50	2.50	2.50
Terphenyl-d14 Reported, mg/kg	1.23	0 NC	0 NC	1.46	0 NC
Terphenyl-d14 Theoretical, mg/kg	1.67	1.67	1.67	1.67	1.67

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-19	WDI-TS-132-17.2-18	03 DEC 97
12-103-20	WDI-TS-133-3.8-4.8	03 DEC 97
12-103-21	WDI-TS-133-10.5-11.2	03 DEC 97
12-103-22	WDI-TS-133-19.3-20	03 DEC 97
12-103-23	WDI-TS-134-2.8-3.8	03 DEC 97

PARAMETER	12-103-19	12-103-20	12-103-21	12-103-22	12-103-23
Simulated Distillation (D2887)					
Sample Amount, g	10	10	10	10	10
Extract Volume, mL	10	10	10	10	10
Dilution Factor, Times	2	1	50	1	10
C10-C11, mg/kg	34	<5	1200	<5	<50
C12-C13, mg/kg	76	8.0	1700	<5	56
C14-C15, mg/kg	72	12	1600	<5	70
C16-C17, mg/kg	73	16	1600	<5	120
C18-C19, mg/kg	85	19	1500	<5	160
C20-C23, mg/kg	120	43	2300	<5	310
C24-C27, mg/kg	100	67	1900	<5	540
C28-C31, mg/kg	100	50	2000	<5	560
C32-C35, mg/kg	77	57	1400	<5	800
C36-C39, mg/kg	49	50	840	<5	920
C40-C43, mg/kg	<10	38	<300	<5	710
C44+, mg/kg	<10	13	<300	<5	180
Total Hydrocarbon Matrix, mg/kg	790	370	16000	<50	4400
Other Simulated Distillation (D2887)	---	---	---	---	---
Surrogates **					
Naphthalene Reported, mg/kg	6.38	7.57	NC	9.99	NC
Naphthalene Theoretical, mg/kg	10.0	10.0	10.0	10.0	10.0
o-Terphenyl Reported, mg/kg	7.98	7.48	NC	9.42	NC
o-Terphenyl Theoretical, mg/kg	10.0	10.0	10.0	10.0	10.0

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-24	WDI-TS-134-11.3-12	03 DEC 97
12-103-25	WDI-TS-135-2.4-3.6	03 DEC 97
12-103-26	WDI-TS-135-12-13	03 DEC 97

PARAMETER	12-103-24	12-103-25	12-103-26
Digestion (3050A), Date	12/10/97	12/10/97	12/10/97
Furnace Digestion (3050), Date	12/10/97	12/10/97	12/10/97

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-24	WDI-TS-134-11.3-12	03 DEC 97
12-103-25	WDI-TS-135-2.4-3.6	03 DEC 97
12-103-26	WDI-TS-135-12-13	03 DEC 97

PARAMETER	12-103-24	12-103-25	12-103-26
Pesticides (8080)			
Date Analyzed	01/16/98	01/19/98	01/16/98
Date Extracted	12/10/97	12/10/97	12/10/97
Dilution Factor, Times	20	10	20
Aldrin, mg/kg	<0.04	<0.02	<0.04
Chlordane, mg/kg	<0.6	<0.3	<0.6
p,p'-DDD, mg/kg	<0.02	<0.01	<0.02
p,p'-DDE, mg/kg	<0.02	<0.01	<0.02
p,p'-DDT, mg/kg	<0.02	<0.01	<0.02
Dieldrin, mg/kg	<0.02	0.023	<0.02
Endosulfan I, mg/kg	<0.04	<0.02	<0.04
Endosulfan II, mg/kg	<0.02	<0.01	<0.02
Endosulfan sulfate, mg/kg	<0.04	<0.02	<0.04
Endrin, mg/kg	<0.02	<0.01	<0.02
Endrin aldehyde, mg/kg	<0.02	<0.01	<0.02
Endrin Ketone, mg/kg	<0.02	<0.01	<0.02
Heptachlor epoxide, mg/kg	<0.06	<0.03	<0.06
Heptachlor, mg/kg	<0.02	<0.01	<0.02
Methoxychlor, mg/kg	<0.02	<0.01	<0.02
Toxaphene, mg/kg	<2	<1	<2
BHC, alpha isomer, mg/kg	<0.04	<0.02	<0.04
BHC, beta isomer, mg/kg	<0.04	<0.02	<0.04
BHC, delta isomer, mg/kg	<0.02	<0.01	<0.02
BHC, gamma isomer (Lindane), mg/kg	<0.02	<0.007	<0.02
Surrogates **			

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-24	WDI-TS-134-11.3-12	03 DEC 97
12-103-25	WDI-TS-135-2.4-3.6	03 DEC 97
12-103-26	WDI-TS-135-12-13	03 DEC 97

PARAMETER	12-103-24	12-103-25	12-103-26
Decachlorobiphenyl Reported, mg/kg	0.0056	0.0088	0.0042
Decachlorobiphenyl Theoretical, mg/kg	0.0083	0.0083	0.0083
Tetrachloro-meta-xylene Rpt., mg/kg	0.0067	0.0066	0.0128
Tetrachloro-meta-xylene Theor., mg/kg	0.0083	0.0083	0.0083
PCBs (8080)			
Date Analyzed	01/16/98	01/19/98	01/17/98
Date Extracted	12/10/97	12/10/97	12/10/97
Dilution Factor, Times	20	10	20
Aroclor 1016, mg/kg	<0.6	<0.3	<0.6
Aroclor 1221, mg/kg	<0.6	<0.3	<0.6
Aroclor 1232, mg/kg	<0.6	<0.3	<0.6
Aroclor 1242, mg/kg	<0.6	<0.3	<0.6
Aroclor 1248, mg/kg	<0.6	<0.3	<0.6
Aroclor 1254, mg/kg	<0.6	<0.3	<0.6
Aroclor 1260, mg/kg	<0.6	<0.3	<0.6
Surrogates **			
Decachlorobiphenyl Reported, mg/kg	0.0056	0.0088	0.0042
Decachlorobiphenyl Theoretical, mg/kg	0.0083	0.0083	0.0083
Tetrachloro-meta-xylene Rpt., mg/kg	0.0067	0.0066	0.0128
Tetrachloro-meta-xylene Theor., mg/kg	0.0083	0.0083	0.0083
Arsenic (7060), mg/kg	5.4	5.0	40
Antimony (6010), mg/kg	<10	<10	<10
Barium (6010), mg/kg	1100	390	1300
Beryllium (6010), mg/kg	0.31	0.38	0.23
Cadmium (6010), mg/kg	<1	<1	5.1

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-24	WDI-TS-134-11.3-12	03 DEC 97
12-103-25	WDI-TS-135-2.4-3.6	03 DEC 97
12-103-26	WDI-TS-135-12-13	03 DEC 97

PARAMETER	12-103-24	12-103-25	12-103-26
Chromium (6010), mg/kg	21	15	40
Cobalt (6010), mg/kg	7.9	7.8	6.4
Copper (6010), mg/kg	34	22	61
Lead (6010), mg/kg	260	62	450
Mercury (7471), mg/kg	0.17	0.16	<0.1
Molybdenum (6010), mg/kg	5.9	<2	6.2
Nickel (6010), mg/kg	17	13	18
Selenium (7740), mg/kg	<0.4	<0.4	<0.4
Silver (6010), mg/kg	<1	<1	<1
Thallium (6010), mg/kg	<7	<7	<7
Vanadium (6010), mg/kg	25	25	12
Zinc (6010), mg/kg	470	76	260
Aluminum (6010), mg/kg	5900	6700	3500
Calcium (6010), mg/kg	17000	17000	16000
Iron (6010), mg/kg	15000	14000	9700

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-24	WDI-TS-134-11.3-12	03 DEC 97
12-103-25	WDI-TS-135-2.4-3.6	03 DEC 97
12-103-26	WDI-TS-135-12-13	03 DEC 97

PARAMETER	12-103-24	12-103-25	12-103-26
Semi-volatiles (8270)			
Date Analyzed	12/18/97	12/26/97	12/17/97
Date Extracted	12/05/97	12/05/97	12/05/97
Dilution Factor, Times	25	25	25
1,2,4-Trichlorobenzene, mg/kg	<5	<5	<5
1,2-Dichlorobenzene, mg/kg	<5	<5	<5
1,2-Diphenylhydrazine, mg/kg	<5	<5	<5
1,3-Dichlorobenzene, mg/kg	<5	<5	<5
1,4-Dichlorobenzene, mg/kg	<5	<5	<5
2,4,5-Trichlorophenol, mg/kg	<5	<5	<5
2,4,6-Trichlorophenol, mg/kg	<5	<5	<5
2,4-Dichlorophenol, mg/kg	<5	<5	<5
2,4-Dimethylphenol, mg/kg	<5	<5	<5
2,4-Dinitrophenol, mg/kg	<10	<10	<10
2,4-Dinitrotoluene, mg/kg	<5	<5	<5
2,6-Dinitrotoluene, mg/kg	<5	<5	<5
2-Chloronaphthalene, mg/kg	<5	<5	<5
2-Chlorophenol, mg/kg	<5	<5	<5
2-Methyl-4,6-dinitrophenol, mg/kg	<10	<10	<10
2-Methylnaphthalene, mg/kg	<5	<5	33
2-Methylphenol (o-Cresol), mg/kg	<5	<5	<5
2-Nitroaniline, mg/kg	<5	<5	<5
2-Nitrophenol, mg/kg	<5	<5	<5
3,3'-Dichlorobenzidine, mg/kg	<20	<20	<20
3-Nitroaniline, mg/kg	<5	<5	<5

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-24	WDI-TS-134-11.3-12	03 DEC 97
12-103-25	WDI-TS-135-2.4-3.6	03 DEC 97
12-103-26	WDI-TS-135-12-13	03 DEC 97

PARAMETER	12-103-24	12-103-25	12-103-26
4-Bromophenylphenylether, mg/kg	<5	<5	<5
4-Chloro-3-methylphenol, mg/kg	<5	<5	<5
4-Chloroaniline, mg/kg	<5	<5	<5
4-Chlorophenylphenylether, mg/kg	<5	<5	<5
4-Methylphenol (p-Cresol), mg/kg	<10	<10	<10
4-Nitroaniline, mg/kg	<5	<5	<5
4-Nitrophenol, mg/kg	<10	<10	<10
Acenaphthene, mg/kg	<5	<5	<5
Acenaphthylene, mg/kg	<5	<5	<5
Aniline, mg/kg	<5	<5	<5
Anthracene, mg/kg	<5	<5	<5
Benzidine, mg/kg	<100	<100	<100
Benzo(a)anthracene, mg/kg	<5	<5	<5
Benzo(a)pyrene, mg/kg	<5	<5	<5
Benzo(b)fluoranthene, mg/kg	<5	<5	<5
Benzo(g,h,i)perylene, mg/kg	<5	<5	<5
Benzo(k)fluoranthene, mg/kg	<5	<5	<5
Benzyl Alcohol, mg/kg	<10	<10	<10
Benzoic acid, mg/kg	<50	<50	<50
Butylbenzylphthalate, mg/kg	<5	<5	<5
Chrysene, mg/kg	<5	<5	<5
Di-n-octylphthalate, mg/kg	<5	<5	<5
Dibenzo(a,h)anthracene, mg/kg	<5	<5	<5
Dibenzofuran, mg/kg	<5	<5	<5
Dibutylphthalate, mg/kg	<5	<5	<5

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-24	WDI-TS-134-11.3-12	03 DEC 97
12-103-25	WDI-TS-135-2.4-3.6	03 DEC 97
12-103-26	WDI-TS-135-12-13	03 DEC 97

PARAMETER	12-103-24	12-103-25	12-103-26
Diethylphthalate, mg/kg	<5	<5	<5
Dimethylphthalate, mg/kg	<5	<5	<5
Fluoranthene, mg/kg	<5	<5	<5
Fluorene, mg/kg	<5	<5	<5
Hexachlorobenzene, mg/kg	<5	<5	<5
Hexachlorobutadiene, mg/kg	<5	<5	<5
Hexachlorocyclopentadiene, mg/kg	<10	<10	<10
Hexachloroethane, mg/kg	<5	<5	<5
Indeno(1,2,3-c,d)pyrene, mg/kg	<5	<5	<5
Isophorone, mg/kg	<5	<5	<5
N-Nitrosodimethylamine, mg/kg	<5	<5	<5
N-Nitrosodiphenylamine, mg/kg	<5	<5	<5
N-Nitrosodi-n-propylamine, mg/kg	<5	<5	<5
Nitrobenzene, mg/kg	<5	<5	<5
Naphthalene, mg/kg	<5	<5	12
Phenanthrene, mg/kg	<5	<5	8.3
Phenol, mg/kg	<5	<5	<5
Pentachlorophenol, mg/kg	<10	<10	<10
Pyrene, mg/kg	<5	<5	<5
Pyridine, mg/kg	<10	<10	<10
Bis(2-chloroethoxy)methane, mg/kg	<5	<5	<5
Bis(2-chloroethyl)ether, mg/kg	<5	<5	<5
Bis(2-chloroisopropyl)ether, mg/kg	<5	<5	<5
Bis(2-ethylhexyl)phthalate, mg/kg	<10	<10	<10
Surrogates **			

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-24	WDI-TS-134-11.3-12	03 DEC 97
12-103-25	WDI-TS-135-2.4-3.6	03 DEC 97
12-103-26	WDI-TS-135-12-13	03 DEC 97

PARAMETER	12-103-24	12-103-25	12-103-26
2-Fluorobiphenyl Reported, mg/kg	0 NC	0 NC	0 NC
2-Fluorobiphenyl Theo., mg/kg	1.67	1.67	1.67
2-Fluorophenol Reported, mg/kg	0 NC	0 NC	0 NC
2-Fluorophenol Theoretical, mg/kg	2.50	2.50	2.50
2,4,6-Tribromophenol Rep., mg/kg	0 NC	0 NC	0 NC
2,4,6-Tribromophenol Theo., mg/kg	2.50	2.50	2.50
Nitrobenzene-d5 Reported, mg/kg	0 NC	0 NC	0 NC
Nitrobenzene-d5 Theoretical, mg/kg	1.67	1.67	1.67
Phenol-d5 Reported, mg/kg	0 NC	0 NC	0 NC
Phenol-d5 Theoretical, mg/kg	2.50	2.50	2.50
Terphenyl-d14 Reported, mg/kg	0 NC	0 NC	0 NC
Terphenyl-d14 Theoretical, mg/kg	1.67	1.67	1.67

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-24	WDI-TS-134-11.3-12	03 DEC 97
12-103-25	WDI-TS-135-2.4-3.6	03 DEC 97
12-103-26	WDI-TS-135-12-13	03 DEC 97

PARAMETER	12-103-24	12-103-25	12-103-26
Simulated Distillation (D2887)			
Sample Amount, g	10	10	10
Extract Volume, mL	10	10	10
Dilution Factor, Times	10	10	100
C10-C11, mg/kg	<50	<50	2500
C12-C13, mg/kg	110	<50	3600
C14-C15, mg/kg	130	<50	3600
C16-C17, mg/kg	160	<50	3500
C18-C19, mg/kg	210	75	6800
C20-C23, mg/kg	420	200	5200
C24-C27, mg/kg	540	330	4100
C28-C31, mg/kg	390	260	3900
C32-C35, mg/kg	450	320	2900
C36-C39, mg/kg	410	350	1900
C40-C43, mg/kg	270	260	<500
C44+, mg/kg	84	89	<500
Total Hydrocarbon Matrix, mg/kg	3200	1900	38000
Other Simulated Distillation (D2887)	---	---	---
Surrogates **			
Naphthalene Reported, mg/kg	NC	NC	NC
Naphthalene Theoretical, mg/kg	10.0	10.0	10.0
o-Terphenyl Reported, mg/kg	NC	NC	NC
o-Terphenyl Theoretical, mg/kg	10.0	10.0	10.0

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-27	WDI-TS-130-4.10B	03 DEC 97
12-103-28	WDI-TS-130-13B	03 DEC 97
12-103-29	WDI-TS-131-3.8B	03 DEC 97
12-103-30	WDI-TS-132-3.10B	03 DEC 97
12-103-31	WDI-TS-132-11B	03 DEC 97

PARAMETER	12-103-27	12-103-28	12-103-29	12-103-30	12-103-31
Sample Held, Not Analyzed	HOLD	HOLD	HOLD	HOLD	HOLD

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-32	WDI-TS-132-18B	03 DEC 97
12-103-33	WDI-TS-133-4.8B	03 DEC 97
12-103-34	WDI-TS-133-11.2B	03 DEC 97
12-103-35	WDI-TS-133-19.3B	03 DEC 97
12-103-36	WDI-TS-134-3.8B	03 DEC 97

PARAMETER	12-103-32	12-103-33	12-103-34	12-103-35	12-103-36
Sample Held, Not Analyzed	HOLD	HOLD	HOLD	HOLD	HOLD

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-37	WDI-TS-134-11.3B	03 DEC 97
12-103-38	WDI-TS-135-2.4B	03 DEC 97
12-103-39	WDI-TS-135-13B	03 DEC 97

PARAMETER	12-103-37	12-103-38	12-103-39
Sample Held, Not Analyzed	HOLD	HOLD	HOLD

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
12-103-40	Trip Blank	03 DEC 97

PARAMETER	12-103-40
Volatile Organics (8260A)	
Date Analyzed	12/17/97
Dilution Factor, Times	1
1,1,1-Trichloroethane, ug/L	<0.5
1,1,2,2-Tetrachloroethane, ug/L	<0.5
1,1,2-Trichloroethane, ug/L	<0.5
1,1-Dichloroethane, ug/L	<0.5
1,1-Dichloroethene, ug/L	<0.5
1,2-Dibromoethane, ug/L	<0.5
1,2-Dichloroethane, ug/L	<0.5
1,2-Dichloropropane, ug/L	<0.5
2-Chloroethylvinylether, ug/L	<4
2-Hexanone, ug/L	<5
Acetone, ug/L	<10
Bromodichloromethane, ug/L	<0.5
Bromomethane, ug/L	<0.5
Benzene, ug/L	<0.5
Bromoform, ug/L	<0.5
Carbon Tetrachloride, ug/L	<0.5
Chloroethane, ug/L	<0.5
Chloroform, ug/L	<0.5
Chloromethane, ug/L	<1
Carbon Disulfide, ug/L	<2
Dibromochloromethane, ug/L	<0.5
Methyl ethyl ketone, ug/L	<10
Methyl isobutyl ketone, ug/L	<4
Methylene chloride, ug/L	<2

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
12-103-40	Trip Blank	03 DEC 97

PARAMETER	12-103-40
Trichloroethene, ug/L	<0.5
Tetrachloroethene, ug/L	<0.5
Vinyl acetate, ug/L	<5
Vinyl chloride, ug/L	<0.5
cis-1,2-Dichloroethene, ug/L	<0.5
cis-1,3-Dichloropropene, ug/L	<0.5
trans-1,2-Dichloroethene, ug/L	<0.5
trans-1,3-Dichloropropene, ug/L	<0.5
Surrogates **	
4-Bromofluorobenzene Rep., ug/L	52.8
4-Bromofluorobenzene Theo., ug/L	50.0
Toluene-d8 Reported, ug/L	55.8
Toluene-d8 Theo., ug/L	50.0
Dibromofluoromethane Rep., ug/L	38.6
Dibromofluoromethane Theo., ug/L	50.0

LOG NO: G97-12-103

Received: 03 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

Fred Haley, Laboratory Director

The analytical results within this report relate only to the specific compounds and samples investigated and may not necessarily reflect other apparently similar material from the same or a similar location.

This report shall not be reproduced, except in full, without the written approval of VOC. No use of this report for promotional or advertising purposes is permitted without prior written VOC approval.

: ORDER PLACED FOR CLIENT: Environmental Solutions, Inc. 9712103 :
: VOC ANALYTICAL : GLEN LAB : 06:38:26 17 MAR 1998 - P. 1 :

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
9712103*1	WDI-TS-130-4.10A	8260.WDI	12.10.97	8260A	537-01	9787137	1032
9712103*2	WDI-TS-130-13A	8260.WDI	12.11.97	8260A	537-01	9787137	1032
9712103*3	WDI-TS-131-3.8A	8260.WDI	12.12.97	8260A	537-01	9787137	1032
9712103*4	WDI-TS-132-3.10A	8260.WDI	12.11.97	8260A	537-01	9787137	1032
9712103*5	WDI-TS-132-11A	8260.WDI	12.11.97	8260A	537-01	9787137	1032
9712103*6	WDI-TS-132-18A	8260.WDI	12.11.97	8260A	537-01	9787137	1032
9712103*7	WDI-TS-133-4.8A	8260.WDI	12.11.97	8260A	537-01	9787137	1032
9712103*8	WDI-TS-133-11.2A	8260.WDI	12.11.97	8260A	537-01	9787137	1032
9712103*9	WDI-TS-133-19.3A	8260.WDI	12.11.97	8260A	537-01	9787137	1032
9712103*10	WDI-TS-134-3.8A	8260.WDI	12.10.97	8260A	537-01	9787137	1032
9712103*11	WDI-TS-134-11.3A	8260.WDI	12.11.97	8260A	537-01	9787137	1032
9712103*12	WDI-TS-135-2.4A	8260.WDI	12.11.97	8260A	537-01	9787137	1032
9712103*13	WDI-TS-135-13A	8260.WDI	12.11.97	8260A	537-01	9787137	1032
9712103*14	WDI-TS-130-3.8-4.10	DIG,NAQ.HCL	12.10.97	3050A		973256	7620
		DIG,NAQ,GFA	12.10.97	3050		973255	7620
		AS,GFA	12.11.97	7060	534-04	973255	1002
		SB	12.11.97	6010	535-02	973256	8488
		BA	12.11.97	6010	535-02	973256	8488
		BE	12.11.97	6010	535-02	973256	8488
		CD	12.11.97	6010	535-02	973256	8488
		CR	12.11.97	6010	535-02	973256	8488
		CO	12.11.97	6010	535-02	973256	8488
		CU	12.11.97	6010	535-02	973256	8488
		PB	12.11.97	6010	535-02	973256	8488
		HG,SO	12.09.97	7471	534-06	973223	1002
		MO	12.11.97	6010	535-02	973256	8488
		NI	12.11.97	6010	535-02	973256	8488
		SE,GFA	12.11.97	7740	534-04	973255	1002
		AG	12.11.97	6010	535-02	973256	8488
		TL	12.11.97	6010	535-02	973256	8488
		V	12.11.97	6010	535-02	973256	8488
		ZN	12.11.97	6010	535-02	973256	8488
		AL	12.11.97	6010	535-02	973256	8488
		CA	12.11.97	6010	535-02	973256	8488
		FE	12.11.97	6010	535-02	973256	8488
		8270.HSL	12.26.97	8270	537-14	97239	1009
		SIM.8015.SO	12.09.97	D2887	536-37	97130	
		8080.WDI	01.14.98	8080	536-26	97228	8042
		8080,PCB	01.08.98	8080	536-26	97228	8042
9712103*15	WDI-TS-130-12-13	DIG,NAQ.HCL	12.10.97	3050A		973256	7620
		DIG,NAQ,GFA	12.10.97	3050		973255	7620
		AS,GFA	12.11.97	7060	534-04	973255	1002
		SB	12.11.97	6010	535-02	973256	8488
		BA	12.11.97	6010	535-02	973256	8488

Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.

ID.NO = VOC Analytical employee identification number of analyst.

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
		BE	12.11.97	6010	535-02	973256	8488
		CD	12.11.97	6010	535-02	973256	8488
		CR	12.11.97	6010	535-02	973256	8488
		CO	12.11.97	6010	535-02	973256	8488
		CU	12.11.97	6010	535-02	973256	8488
		PB	12.11.97	6010	535-02	973256	8488
		HG,SO	12.09.97	7471	534-06	973223	1002
		MO	12.11.97	6010	535-02	973256	8488
		NI	12.11.97	6010	535-02	973256	8488
		SE,GFA	12.11.97	7740	534-04	973255	1002
		AG	12.11.97	6010	535-02	973256	8488
		TL	12.11.97	6010	535-02	973256	8488
		V	12.11.97	6010	535-02	973256	8488
		ZN	12.11.97	6010	535-02	973256	8488
		AL	12.11.97	6010	535-02	973256	8488
		CA	12.11.97	6010	535-02	973256	8488
		FE	12.11.97	6010	535-02	973256	8488
		8270.HSL	12.09.97	8270	537-14	97239	1009
		SIM.8015.SO	12.11.97	D2887	536-37	97130	8866
		8080.WDI	01.14.98	8080	536-26	97228	8042
		8080,PCB	01.09.98	8080	536-26	97228	8042
9712103*16	WDI-TS-131-2.6-3.0	DIG,NAQ.HCL	12.10.97	3050A		973256	7620
		DIG,NAQ,GFA	12.10.97	3050		973255	7620
		AS,GFA	12.11.97	7060	534-04	973255	1002
		SB	12.11.97	6010	535-02	973256	8488
		BA	12.11.97	6010	535-02	973256	8488
		BE	12.11.97	6010	535-02	973256	8488
		CD	12.11.97	6010	535-02	973256	8488
		CR	12.11.97	6010	535-02	973256	8488
		CO	12.11.97	6010	535-02	973256	8488
		CU	12.11.97	6010	535-02	973256	8488
		PB	12.11.97	6010	535-02	973256	8488
		HG,SO	12.09.97	7471	534-06	973223	1002
		MO	12.11.97	6010	535-02	973256	8488
		NI	12.11.97	6010	535-02	973256	8488
		SE,GFA	12.11.97	7740	534-04	973255	1002
		AG	12.11.97	6010	535-02	973256	8488
		TL	12.11.97	6010	535-02	973256	8488
		V	12.11.97	6010	535-02	973256	8488
		ZN	12.11.97	6010	535-02	973256	8488
		AL	12.11.97	6010	535-02	973256	8488
		CA	12.11.97	6010	535-02	973256	8488
		FE	12.11.97	6010	535-02	973256	8488
		8270.HSL	12.09.97	8270	537-14	97239	1009

Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.

ID.NO = VOC Analytical employee identification number of analyst.

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
		SIM.8015.SO	12.09.97	D2887	536-37	97130	8866
		8080.WDI	01.14.98	8080	536-26	97228	8042
		8080,PCB	01.14.98	8080	536-26	97228	8042
9712103*17	WDI-TS-132-2.9-3.10	DIG,NAQ.HCL	12.10.97	3050A		973256	7620
		DIG,NAQ,GFA	12.10.97	3050		973255	7620
		AS,GFA	12.11.97	7060	534-04	973255	1002
		SB	12.11.97	6010	535-02	973256	8488
		BA	12.11.97	6010	535-02	973256	8488
		BE	12.11.97	6010	535-02	973256	8488
		CD	12.11.97	6010	535-02	973256	8488
		CR	12.11.97	6010	535-02	973256	8488
		CO	12.11.97	6010	535-02	973256	8488
		CU	12.11.97	6010	535-02	973256	8488
		PB	12.11.97	6010	535-02	973256	8488
		HG,SO	12.09.97	7471	534-06	973223	1002
		MO	12.11.97	6010	535-02	973256	8488
		NI	12.11.97	6010	535-02	973256	8488
		SE,GFA	12.11.97	7740	534-04	973255	1002
		AG	12.11.97	6010	535-02	973256	8488
		TL	12.11.97	6010	535-02	973256	8488
		V	12.11.97	6010	535-02	973256	8488
		ZN	12.11.97	6010	535-02	973256	8488
		AL	12.11.97	6010	535-02	973256	8488
		CA	12.11.97	6010	535-02	973256	8488
		FE	12.11.97	6010	535-02	973256	8488
		8270.HSL	12.26.97	8270	537-14	97239	1009
		SIM.8015.SO	12.11.98	D2887	536-37	97130	8866
		8080.WDI	01.16.98	8080	536-26	97228	8042
		8080,PCB	01.15.98	8080	536-26	97228	8042
9712103*18	WDI-TS-132-10-11	DIG,NAQ.HCL	12.10.97	3050A		973256	7620
		DIG,NAQ,GFA	12.10.97	3050		973255	7620
		AS,GFA	12.11.97	7060	534-04	973255	1002
		SB	12.11.97	6010	535-02	973256	8488
		BA	12.11.97	6010	535-02	973256	8488
		BE	12.11.97	6010	535-02	973256	8488
		CD	12.11.97	6010	535-02	973256	8488
		CR	12.11.97	6010	535-02	973256	8488
		CO	12.11.97	6010	535-02	973256	8488
		CU	12.11.97	6010	535-02	973256	8488
		PB	12.11.97	6010	535-02	973256	8488
		HG,SO	12.09.97	7471	534-06	973223	1002
		MO	12.11.97	6010	535-02	973256	8488
		NI	12.11.97	6010	535-02	973256	8488
		SE,GFA	12.11.97	7740	534-04	973255	1002

Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.

ID.NO = VOC Analytical employee identification number of analyst.

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
		AG	12.11.97	6010	535-02	973256	8488
		TL	12.11.97	6010	535-02	973256	8488
		V	12.11.97	6010	535-02	973256	8488
		ZN	12.11.97	6010	535-02	973256	8488
		AL	12.11.97	6010	535-02	973256	8488
		CA	12.11.97	6010	535-02	973256	8488
		FE	12.11.97	6010	535-02	973256	8488
		8270.HSL	12.09.97	8270	537-14	97239	1009
		SIM.8015.SO	12.11.97	D2887	536-37	97130	8866
		8080.WDI	01.16.98	8080	536-26	97228	8042
		8080,PCB	01.14.98	8080	536-26	97228	8042
9712103*19	WDI-TS-132-17.2-18	DIG,NAQ.HCL	12.10.97	3050A		973256	7620
		DIG,NAQ,GFA	12.10.97	3050		973255	7620
		AS,GFA	12.11.97	7060	534-04	973255	1002
		SB	12.11.97	6010	535-02	973256	8488
		BA	12.11.97	6010	535-02	973256	8488
		BE	12.11.97	6010	535-02	973256	8488
		CD	12.11.97	6010	535-02	973256	8488
		CR	12.11.97	6010	535-02	973256	8488
		CO	12.11.97	6010	535-02	973256	8488
		CU	12.11.97	6010	535-02	973256	8488
		PB	12.11.97	6010	535-02	973256	8488
		HG,SO	12.09.97	7471	534-06	973223	1002
		MO	12.11.97	6010	535-02	973256	8488
		NI	12.11.97	6010	535-02	973256	8488
		SE,GFA	12.11.97	7740	534-04	973255	1002
		AG	12.11.97	6010	535-02	973256	8488
		TL	12.11.97	6010	535-02	973256	8488
		V	12.11.97	6010	535-02	973256	8488
		ZN	12.11.97	6010	535-02	973256	8488
		AL	12.11.97	6010	535-02	973256	8488
		CA	12.11.97	6010	535-02	973256	8488
		FE	12.11.97	6010	535-02	973256	8488
		8270.HSL	12.09.97	8270	537-14	97239	1009
		SIM.8015.SO	12.11.98	D2887	536-37	97130	8866
		8080.WDI	01.14.98	8080	536-26	97228	8042
		8080,PCB	01.08.98	8080	536-26	97228	8042
9712103*20	WDI-TS-133-3.8-4.8	DIG,NAQ.HCL	12.10.97	3050A		973256	7620
		DIG,NAQ,GFA	12.10.97	3050		973255	7620
		AS,GFA	12.11.97	7060	534-04	973255	1002
		SB	12.11.97	6010	535-02	973256	8488
		BA	12.11.97	6010	535-02	973256	8488
		BE	12.11.97	6010	535-02	973256	8488
		CD	12.11.97	6010	535-02	973256	8488

Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.

ID.NO = VOC Analytical employee identification number of analyst.

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
		CR	12.11.97	6010	535-02	973256	8488
		CO	12.11.97	6010	535-02	973256	8488
		CU	12.11.97	6010	535-02	973256	8488
		PB	12.11.97	6010	535-02	973256	8488
		HG,SO	12.09.97	7471	534-06	973223	1002
		MO	12.11.97	6010	535-02	973256	8488
		NI	12.11.97	6010	535-02	973256	8488
		SE,GFA	12.11.97	7740	534-04	973255	1002
		AG	12.11.97	6010	535-02	973256	8488
		TL	12.11.97	6010	535-02	973256	8488
		V	12.11.97	6010	535-02	973256	8488
		ZN	12.11.97	6010	535-02	973256	8488
		AL	12.11.97	6010	535-02	973256	8488
		CA	12.11.97	6010	535-02	973256	8488
		FE	12.11.97	6010	535-02	973256	8488
		8270.HSL	12.09.97	8270	537-14	97239	1009
		SIM.8015.SO	12.09.97	D2887	536-37	97130	8866
		8080.WDI	01.14.98	8080	536-26	97228	8042
		8080,PCB	01.14.98	8080	536-26	97228	8042
9712103*21	WDI-TS-133-10.5-11.2	DIG,NAQ.HCL	12.10.97	3050A		973256	7620
		DIG,NAQ,GFA	12.10.97	3050		973255	7620
		AS,GFA	12.11.97	7060	534-04	973255	1002
		SB	12.11.97	6010	535-02	973256	8488
		BA	12.11.97	6010	535-02	973256	8488
		BE	12.11.97	6010	535-02	973256	8488
		CD	12.11.97	6010	535-02	973256	8488
		CR	12.11.97	6010	535-02	973256	8488
		CO	12.11.97	6010	535-02	973256	8488
		CU	12.11.97	6010	535-02	973256	8488
		PB	12.11.97	6010	535-02	973256	8488
		HG,SO	12.09.97	7471	534-06	973223	1002
		MO	12.11.97	6010	535-02	973256	8488
		NI	12.11.97	6010	535-02	973256	8488
		SE,GFA	12.11.97	7740	534-04	973255	1002
		AG	12.11.97	6010	535-02	973256	8488
		TL	12.11.97	6010	535-02	973256	8488
		V	12.11.97	6010	535-02	973256	8488
		ZN	12.11.97	6010	535-02	973256	8488
		AL	12.11.97	6010	535-02	973256	8488
		CA	12.11.97	6010	535-02	973256	8488
		FE	12.11.97	6010	535-02	973256	8488
		8270.HSL	12.26.97	8270	537-14	97239	1009
		SIM.8015.SO	12.11.97	D2887	536-37	97130	8866
		8080.WDI	01.19.98	8080	536-26	97228	8042

Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.

ID.NO = VOC Analytical employee identification number of analyst.

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
		8080,PCB	01.15.98	8080	536-26	97228	8042
9712103*22	WDI-TS-133-19.3-20	DIG,NAQ.HCL	12.10.97	3050A		973256	7620
		DIG,NAQ,GFA	12.10.97	3050		973255	7620
		AS,GFA	12.11.97	7060	534-04	973255	1002
		SB	12.11.97	6010	535-02	973256	8488
		BA	12.11.97	6010	535-02	973256	8488
		BE	12.11.97	6010	535-02	973256	8488
		CD	12.11.97	6010	535-02	973256	8488
		CR	12.11.97	6010	535-02	973256	8488
		CO	12.11.97	6010	535-02	973256	8488
		CU	12.11.97	6010	535-02	973256	8488
		PB	12.11.97	6010	535-02	973256	8488
		HG,SO	12.09.97	7471	534-06	973223	1002
		MO	12.11.97	6010	535-02	973256	8488
		NI	12.11.97	6010	535-02	973256	8488
		SE,GFA	12.11.97	7740	534-04	973255	1002
		AG	12.11.97	6010	535-02	973256	8488
		TL	12.11.97	6010	535-02	973256	8488
		V	12.11.97	6010	535-02	973256	8488
		ZN	12.11.97	6010	535-02	973256	8488
		AL	12.11.97	6010	535-02	973256	8488
		CA	12.11.97	6010	535-02	973256	8488
		FE	12.11.97	6010	535-02	973256	8488
		8270.HSL	12.09.97	8270	537-14	97239	1009
		SIM.8015.SO	12.09.97	D2887	536-37	97130	8866
		8080.WDI	01.03.98	8080	536-26	97228	8042
		8080,PCB	01.03.98	8080	536-26	97228	8042
9712103*23	WDI-TS-134-2.8-3.8	DIG,NAQ.HCL	12.10.97	3050A		973256	7620
		DIG,NAQ,GFA	12.10.97	3050		973255	7620
		AS,GFA	12.11.97	7060	534-04	973255	1002
		SB	12.11.97	6010	535-02	973256	8488
		BA	12.11.97	6010	535-02	973256	8488
		BE	12.11.97	6010	535-02	973256	8488
		CD	12.11.97	6010	535-02	973256	8488
		CR	12.11.97	6010	535-02	973256	8488
		CO	12.11.97	6010	535-02	973256	8488
		CU	12.11.97	6010	535-02	973256	8488
		PB	12.11.97	6010	535-02	973256	8488
		HG,SO	12.09.97	7471	534-06	973223	1002
		MO	12.11.97	6010	535-02	973256	8488
		NI	12.11.97	6010	535-02	973256	8488
		SE,GFA	12.11.97	7740	534-04	973255	1002
		AG	12.11.97	6010	535-02	973256	8488
		TL	12.11.97	6010	535-02	973256	8488

Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.

ID.NO = VOC Analytical employee identification number of analyst.

SAMPLES... SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
	V	12.11.97	6010	535-02	973256	8488
	ZN	12.11.97	6010	535-02	973256	8488
	AL	12.11.97	6010	535-02	973256	8488
	CA	12.11.97	6010	535-02	973256	8488
	FE	12.11.97	6010	535-02	973256	8488
	8270.HSL	12.18.97	8270	537-14	97239	1009
	SIM.8015.SO	12.09.97	D2887	536-37	97130	8866
	8080.WDI	01.16.98	8080	536-26	97228	8042
	8080,PCB	01.15.98	8080	536-26	97228	8042
9712103*24 WDI-TS-134-11.3-12	DIG,NAQ.HCL	12.10.97	3050A		973256	7620
	DIG,NAQ,GFA	12.10.97	3050		973255	7620
	AS,GFA	12.11.97	7060	534-04	973255	1002
	SB	12.11.97	6010	535-02	973256	8488
	BA	12.11.97	6010	535-02	973256	8488
	BE	12.11.97	6010	535-02	973256	8488
	CD	12.11.97	6010	535-02	973256	8488
	CR	12.11.97	6010	535-02	973256	8488
	CO	12.11.97	6010	535-02	973256	8488
	CU	12.11.97	6010	535-02	973256	8488
	PB	12.11.97	6010	535-02	973256	8488
	HG,SO	12.09.97	7471	534-06	973223	1002
	MO	12.11.97	6010	535-02	973256	8488
	NI	12.11.97	6010	535-02	973256	8488
	SE,GFA	12.11.97	7740	534-04	973255	1002
	AG	12.11.97	6010	535-02	973256	8488
	TL	12.11.97	6010	535-02	973256	8488
	V	12.11.97	6010	535-02	973256	8488
	ZN	12.11.97	6010	535-02	973256	8488
	AL	12.11.97	6010	535-02	973256	8488
	CA	12.11.97	6010	535-02	973256	8488
	FE	12.11.97	6010	535-02	973256	8488
	8270.HSL	12.18.97	8270	537-14	97239	1009
	SIM.8015.SO	12.09.97	D2887	536-37	97130	8866
	8080.WDI	01.16.98	8080	536-26	97228	8042
	8080,PCB	01.16.98	8080	536-26	97228	8042
9712103*25 WDI-TS-135-2.4-3.6	DIG,NAQ.HCL	12.10.97	3050A		973256	7620
	DIG,NAQ,GFA	12.10.97	3050		973255	7620
	AS,GFA	12.11.97	7060	534-04	973255	1002
	SB	12.11.97	6010	535-02	973256	8488
	BA	12.11.97	6010	535-02	973256	8488
	BE	12.11.97	6010	535-02	973256	8488
	CD	12.11.97	6010	535-02	973256	8488
	CR	12.11.97	6010	535-02	973256	8488
	CO	12.11.97	6010	535-02	973256	8488

Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.

ID.NO = VOC Analytical employee identification number of analyst.

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
		CU	12.11.97	6010	535-02	973256	8488
		PB	12.11.97	6010	535-02	973256	8488
		HG,SO	12.09.97	7471	534-06	973223	1002
		MO	12.11.97	6010	535-02	973256	8488
		NI	12.11.97	6010	535-02	973256	8488
		SE,GFA	12.11.97	7740	534-04	973255	1002
		AG	12.11.97	6010	535-02	973256	8488
		TL	12.11.97	6010	535-02	973256	8488
		V	12.11.97	6010	535-02	973256	8488
		ZN	12.11.97	6010	535-02	973256	8488
		AL	12.11.97	6010	535-02	973256	8488
		CA	12.11.97	6010	535-02	973256	8488
		FE	12.11.97	6010	535-02	973256	8488
		8270.HSL	12.26.97	8270	537-14	97239	1009
		SIM.8015.SO	12.09.97	D2887	536-37	97130	8866
		8080.WDI	01.19.98	8080	536-26	97228	8042
		8080,PCB	01.19.98	8080	536-26	97228	8042
9712103*26	WDI-TS-135-12-13	DIG,NAQ.HCL	12.10.97	3050A		973256	7620
		DIG,NAQ,GFA	12.10.97	3050		973255	7620
		AS,GFA	12.11.97	7060	534-04	973255	1002
		SB	12.11.97	6010	535-02	973256	8488
		BA	12.11.97	6010	535-02	973256	8488
		BE	12.11.97	6010	535-02	973256	8488
		CD	12.11.97	6010	535-02	973256	8488
		CR	12.11.97	6010	535-02	973256	8488
		CO	12.11.97	6010	535-02	973256	8488
		CU	12.11.97	6010	535-02	973256	8488
		PB	12.11.97	6010	535-02	973256	8488
		HG,SO	12.09.97	7471	534-06	973223	1002
		MO	12.11.97	6010	535-02	973256	8488
		NI	12.11.97	6010	535-02	973256	8488
		SE,GFA	12.11.97	7740	534-04	973255	1002
		AG	12.11.97	6010	535-02	973256	8488
		TL	12.11.97	6010	535-02	973256	8488
		V	12.11.97	6010	535-02	973256	8488
		ZN	12.11.97	6010	535-02	973256	8488
		AL	12.11.97	6010	535-02	973256	8488
		CA	12.11.97	6010	535-02	973256	8488
		FE	12.11.97	6010	535-02	973256	8488
		8270.HSL	12.17.97	8270	537-14	97239	1009
		SIM.8015.SO	12.12.97	D2887	536-37	97130	8866
		8080.WDI	01.16.98	8080	536-26	97228	8042
		8080,PCB	01.17.98	8080	536-26	97228	8042
9712103*27	WDI-TS-130-4.10B	HOLD	12.04.97				8165

Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.

ID.NO = VOC Analytical employee identification number of analyst.

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
9712103*28	WDI-TS-130-13B	HOLD	12.04.97				8165
9712103*29	WDI-TS-131-3.8B	HOLD	12.04.97				8165
9712103*30	WDI-TS-132-3.10B	HOLD	12.04.97				8165
9712103*31	WDI-TS-132-11B	HOLD	12.04.97				8165
9712103*32	WDI-TS-132-18B	HOLD	12.04.97				8165
9712103*33	WDI-TS-133-4.8B	HOLD	12.04.97				8165
9712103*34	WDI-TS-133-11.2B	HOLD	12.04.97				8165
9712103*35	WDI-TS-133-19.3B	HOLD	12.04.97				8165
9712103*36	WDI-TS-134-3.8B	HOLD	12.04.97				8165
9712103*37	WDI-TS-134-11.3B	HOLD	12.04.97				8165
9712103*38	WDI-TS-135-2.4B	HOLD	12.04.97				8165
9712103*39	WDI-TS-135-13B	HOLD	12.04.97				8165
9712103*40	Trip Blank	VOA,8260.WDI	12.17.97	8260A	537-03	973135	1032

***

Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.

ID.NO = VOC Analytical employee identification number of analyst.

VOC ANALYTICAL, GLENDALE
QC REPORT FOR 9712103
DATE PRINTED: 17 MAR 1998

AQUEOUS SAMPLES

		------ METHOD BLANK ------			---------- LAB CONTROL ----------								---------- MATRIX QC ----------									
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA,8260*973135 Method: 8260A - Volatile Organics, GCMS																						
1,1,1-Trichloroethane	ug/L	0	0.5	-	102	-	117	-	71	132	14	30	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	0.5	-	99	-	81	-	50	134	20	30	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	0.5	-	96	-	100	-	67	133	4	30	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	0.5	-	96	-	108	-	49	135	11	30	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	0.5	-	100	-	115	-	48	146	14	30	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane	ug/L	0	0.5	-	101	-	93	-	56	142	8	30	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0	0.5	-	101	-	98	-	68	129	2	30	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	0.5	-	107	-	106	-	68	127	1	30	-	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	ug/L	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	ug/L	0	10	-	55	-	104	-	32	176	62	51	Q	-	-	-	-	-	-	-	-	-
Bromodichloromethane	ug/L	0	0.5	-	103	-	107	-	69	132	3	30	-	-	-	-	-	-	-	-	-	-
Bromomethane	ug/L	0	0.5	-	70	-	89	-	55	146	25	30	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	0	0.5	-	107	-	109	-	72	124	2	30	-	-	-	-	-	-	-	-	-	-
Bromoform	ug/L	0	0.5	-	109	-	94	-	53	148	14	30	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	ug/L	0	0.5	-	116	-	118	-	70	140	2	30	-	-	-	-	-	-	-	-	-	-
Chloroethane	ug/L	0	0.5	-	95	-	117	-	52	137	21	30	-	-	-	-	-	-	-	-	-	-
Chloroform	ug/L	0	0.5	-	90	-	102	-	77	128	13	30	-	-	-	-	-	-	-	-	-	-
Chloromethane	ug/L	0	1	-	95	-	94	-	37	129	1	30	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	ug/L	0	2	-	91	-	101	-	37	140	11	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/L	0	0.5	-	102	-	93	-	65	142	9	30	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	ug/L	0	10	-	151	-	141	-	5	153	7	50	-	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	4	-	-	-	144	-	16	150	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/L	0.38	2	-	99	-	118	-	51	139	18	30	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ug/L	0	0.5	-	107	-	108	-	71	135	1	30	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ug/L	0	0.5	-	104	-	93	-	67	145	11	30	-	-	-	-	-	-	-	-	-	-
Vinyl acetate	ug/L	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	0	0.5	-	95	-	93	-	48	140	2	30	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	0.5	-	100	-	102	-	54	143	13	30	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/L	0	0.5	-	101	-	100	-	66	129	1	30	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	0.5	-	98	-	114	-	48	134	15	30	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/L	0	0.5	-	102	-	102	-	66	130	1	30	-	-	-	-	-	-	-	-	-	-
[4-Bromofluorobenzene]	Percent	118	-	-	114	-	92	-	75	125	-	-	-	-	-	-	-	-	-	-	-	-
[Toluene-d8]	Percent	106	-	-	116	-	102	-	80	120	-	-	-	-	-	-	-	-	-	-	-	-
[Dibromofluoromethane]	Percent	103	-	-	95	-	107	-	75	120	-	-	-	-	-	-	-	-	-	-	-	-

NON-AQUEOUS SAMPLES	------ METHOD BLANK ------				---------- LAB CONTROL ----------									---------- MATRIX QC ----------								
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: HG,SO*973223 Method: 7471 - Mercury (Solids), Cold Vapor AA, Manual																						
Mercury	mg/kg	0	0.1	-	93	-	97	-	83	124	5	-	-	86	-	84	-	40	143	2	30	-
Batch: AS,GFA*973255 Method: 7060 - Arsenic, AA, Furnace																						
Arsenic	mg/kg	0.12	0.2	-	97	-	94	-	81	123	3	-	-	-	NC	-	NC	18	167	-	30	NC
Batch: SE,GFA*973255 Method: 7740 - Selenium, AA, Furnace																						
Selenium	mg/kg	0	0.4	-	101	-	100	-	83	114	1	-	-	41	-	41	-	4	148	1	30	-
Batch: AG*973256 Method: 6010 - ICAP Metals																						
Silver	mg/kg	0.3	1	-	100	-	108	-	80	120	7	-	-	99	-	105	-	80	120	7	30	-
Aluminum	mg/kg	0	10	-	90	-	95	-	80	120	5	-	-	-	NC	-	NC	80	120	-	30	NC
Barium	mg/kg	0	0.5	-	96	-	102	-	80	120	7	-	-	-	NC	-	NC	80	120	-	30	NC
Beryllium	mg/kg	0	0.1	-	93	-	100	-	80	120	7	-	-	99	-	102	-	80	120	2	30	-
Calcium °	mg/kg	6.4	50	-	92	°-	100	-	80	120	8	-	-	-	NC	-	NC	°80	120	-	30	NC
Cadmium	mg/kg	0	1	-	98	-	107	-	80	120	9	-	-	95	-	97	-	80	120	3	30	-
Cobalt	mg/kg	1.0	4	-	99	-	107	-	80	120	8	-	-	95	-	99	-	80	120	3	30	-
Chromium	mg/kg	0.7	1	-	97	-	105	-	80	120	8	-	-	85	-	107	-	80	120	10	30	-
Copper	mg/kg	0	2	-	95	-	103	-	80	120	8	-	-	87	-	104	-	80	120	6	30	-
Iron	mg/kg	0	4	-	100	-	108	-	80	120	8	-	-	-	NC	-	NC	80	120	-	30	NC
Molybdenum	mg/kg	0.2	2	-	95	-	103	-	80	120	9	-	-	94	-	95	-	80	120	1	30	-
Nickel	mg/kg	1.1	4	-	97	-	105	-	80	120	7	-	-	95	-	105	-	80	120	7	30	-
Lead	mg/kg	3.4	5	-	99	-	110	-	80	120	11	-	-	-	NC	-	NC	80	120	-	30	NC
Antimony	mg/kg	0	10	-	98	-	102	-	80	120	4	-	-	43	Q	44	Q	80	120	2	30	-
Thallium	mg/kg	0	7	-	100	-	108	-	80	120	8	-	-	92	-	98	-	80	120	6	30	-
Vanadium	mg/kg	0	4	-	95	-	103	-	80	120	8	-	-	90	-	94	-	80	120	2	30	-
Zinc	mg/kg	0.4	1	-	99	-	110	-	80	120	10	-	-	-	NC	-	NC	80	120	-	30	NC

NON-AQUEOUS SAMPLES	------ METHOD BLANK ------				---------- LAB CONTROL ----------									---------- MATRIX QC ----------								
					LCS		LCSD					RPD	RPD	MS		MSD				RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 8260*9787137 Method: 8260A - Volatile Organics, GCMS																						
1,1,1-Trichloroethane	mg/kg	0	0.5	-	102	-	-	-	70	135	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0	0.5	-	95	-	-	-	71	105	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	mg/kg	0	0.5	-	86	-	-	-	68	133	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	mg/kg	0	0.5	-	106	-	-	-	55	131	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	mg/kg	0	0.5	-	101	-	-	-	58	131	-	-	-	107	-	103	-	61	142	4	35	-
1,2-Dibromoethane	mg/kg	0	0.5	-	82	-	-	-	64	140	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	mg/kg	0	0.5	-	93	-	-	-	85	108	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	mg/kg	0	0.5	-	100	-	-	-	62	130	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	mg/kg	0	4	-	87	-	-	-	1	238	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	mg/kg	0	5	-	81	-	-	-	23	166	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	mg/kg	0	10	-	128	-	-	-	32	180	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	mg/kg	0	0.5	-	102	-	-	-	67	134	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	mg/kg	0	0.5	-	125	-	-	-	67	129	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	mg/kg	0	0.5	-	98	-	-	-	76	123	-	-	-	-33	Q	-24	Q	73	129	8	36	-
Bromoform	mg/kg	0	0.5	-	94	-	-	-	61	148	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	mg/kg	0	0.5	-	103	-	-	-	70	140	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	mg/kg	0	0.5	-	130	-	-	-	54	135	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	mg/kg	0	0.5	-	93	-	-	-	70	128	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	mg/kg	0	0.5	-	118	-	-	-	40	136	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	mg/kg	0	1	-	57	-	-	-	54	135	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	mg/kg	0	0.5	-	102	-	-	-	65	148	-	-	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	mg/kg	0	3	-	64	-	-	-	21	157	-	-	-	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone	mg/kg	0	3	-	36	-	-	-	16	163	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	mg/kg	0	0.5	-	104	-	-	-	60	126	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	mg/kg	0	0.5	-	110	-	-	-	71	157	-	-	-	128	-	112	-	53	198	13	30	-
Tetrachloroethene	mg/kg	0	0.5	-	124	-	-	-	69	148	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl acetate	mg/kg	0	5	-	79	-	-	-	29	146	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	mg/kg	0	0.5	-	117	-	-	-	57	133	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	mg/kg	0	0.5	-	101	-	-	-	58	134	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	mg/kg	0	0.5	-	96	-	-	-	67	130	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	mg/kg	0	0.5	-	118	-	-	-	48	141	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	mg/kg	0	0.5	-	95	-	-	-	70	127	-	-	-	-	-	-	-	-	-	-	-	-
[4-Bromofluorobenzene]	Percent	112	0	-	122	Q	-	-	74	121	-	-	-	135	Q	143	Q	74	121	-	-	-
[Toluene-d8]	Percent	116	0	-	121	Q	-	-	82	118	-	-	-	133	Q	138	Q	82	118	-	-	-
[Dibromofluoromethane]	Percent	89	0	-	95	-	-	-	75	116	-	-	-	109	-	108	-	75	116	-	-	-

NON-AQUEOUS SAMPLES	------ METHOD BLANK ------				---------- LAB CONTROL ----------									---------- MATRIX QC ----------									
					LCS		LCSD					RPD	RPD	MS		MSD						RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 8080*97228 Method: 8080 - Organochlorine Pesticides and PCBs																						
Aldrin	mg/kg	0.0002	0.002	-	89	-	90	-	68	138	1	-	-	-	-	-	-	-	-	-	-	-
Chlordane	mg/kg	0	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p'-DDD	mg/kg	0	0.001	-	107	-	96	-	56	151	11	-	-	-	-	-	-	-	-	-	-	-
p,p'-DDE	mg/kg	0	0.001	-	96	-	99	-	70	136	2	-	-	-	-	-	-	-	-	-	-	-
p,p'-DDT	mg/kg	0	0.001	-	87	-	86	-	51	155	1	-	-	-	-	-	-	-	-	-	-	-
Dieldrin	mg/kg	0	0.001	-	90	-	88	-	68	138	3	-	-	-	-	-	-	-	-	-	-	-
Endosulfan I	mg/kg	0	0.002	-	76	-	75	-	28	148	2	-	-	-	-	-	-	-	-	-	-	-
Endosulfan II	mg/kg	0	0.001	-	95	-	87	-	41	137	9	-	-	-	-	-	-	-	-	-	-	-
Endosulfan sulfate	mg/kg	0	0.002	-	90	-	88	-	36	159	3	-	-	-	-	-	-	-	-	-	-	-
Endrin	mg/kg	0	0.001	-	86	-	89	-	53	167	4	-	-	-	-	-	-	-	-	-	-	-
Endrin aldehyde	mg/kg	0	0.001	-	86	-	86	-	48	140	0	-	-	-	-	-	-	-	-	-	-	-
Endrin Ketone	mg/kg	0	0.001	-	78	-	78	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-
Heptachlor epoxide	mg/kg	0	0.003	-	92	-	90	-	73	138	1	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	mg/kg	0	0.001	-	90	-	89	-	68	152	1	-	-	-	-	-	-	-	-	-	-	-
Methoxychlor	mg/kg	0	0.001	-	84	-	82	-	8	182	3	-	-	-	-	-	-	-	-	-	-	-
Toxaphene	mg/kg	0	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHC, alpha isomer	mg/kg	0	0.002	-	90	-	89	-	64	135	1	-	-	-	-	-	-	-	-	-	-	-
BHC, beta isomer	mg/kg	0	0.002	-	86	-	92	-	74	137	7	-	-	-	-	-	-	-	-	-	-	-
BHC, delta isomer	mg/kg	0	0.001	-	94	-	94	-	71	131	0	-	-	-	-	-	-	-	-	-	-	-
BHC, gamma isomer (Lindane)	mg/kg	0	0.0007	-	89	-	90	-	69	140	1	-	-	-	-	-	-	-	-	-	-	-
[Decachlorobiphenyl]	Percent	90	-	-	77	-	75	-	20	147	-	-	-	-	-	-	-	-	-	-	-	-
[Tetrachloro-meta-xylene]	Percent	94	-	-	80	-	78	-	30	142	-	-	-	-	-	-	-	-	-	-	-	-
Batch: 8080,PCB*97228 Method: 8080 - Organochlorine Pesticides and PCBs																						
Aroclor 1016	mg/kg	0	0.03	-	101	-	107	-	60	160	6	-	-	75	-	-	-	60	160	-	-	-
Aroclor 1221	mg/kg	0	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1232	mg/kg	0	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1242	mg/kg	0	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1248	mg/kg	0	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1254	mg/kg	0	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1260	mg/kg	0	0.03	-	94	-	109	-	65	134	15	-	-	78	-	-	-	45	161	-	-	-
[Decachlorobiphenyl]	Percent	90	-	-	89	-	96	-	20	147	-	-	-	84	-	-	-	50	164	-	-	-
[Tetrachloro-meta-xylene]	Percent	94	-	-	81	-	80	-	30	142	-	-	-	76	-	-	-	38	155	-	-	-

NON-AQUEOUS SAMPLES	------ METHOD BLANK ------				---------- LAB CONTROL ----------									---------- MATRIX QC ----------								
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 8270*97239 Method: 8270 - GC/MS for Semivolatile Organics, Capillary column																						
1,2,4-Trichlorobenzene	mg/kg	0	0.2	-	85	-	81	-	48	114	5	-	-	101	-	98	-	40	113	3	36	-
1,2-Dichlorobenzene	mg/kg	0	0.2	-	81	-	76	-	49	117	7	-	-	-	-	-	-	-	-	-	-	-
1,2-Diphenylhydrazine	mg/kg	0	0.2	-	86	-	82	-	58	129	5	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0	0.2	-	82	-	77	-	47	111	6	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0	0.2	-	80	-	76	-	48	112	6	-	-	96	-	91	-	33	115	5	37	-
2,4,5-Trichlorophenol	mg/kg	0	0.2	-	102	-	97	-	56	136	5	-	-	-	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0	0.2	-	101	-	95	-	54	131	6	-	-	-	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	mg/kg	0	0.2	-	94	-	88	-	49	116	7	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	mg/kg	0	0.2	-	94	-	87	-	44	112	7	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	mg/kg	0	0.4	-	114	-	107	-	25	179	7	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	mg/kg	0	0.2	-	93	-	88	-	67	131	6	-	-	103	-	99	-	27	132	4	36	-
2,6-Dinitrotoluene	mg/kg	0	0.2	-	90	-	85	-	58	124	5	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	mg/kg	0	0.2	-	70	-	66	-	37	102	6	-	-	-	-	-	-	-	-	-	-	-
2-Chlorophenol	mg/kg	0	0.2	-	87	-	80	-	47	116	9	-	-	94	-	90	-	50	107	5	29	-
2-Methyl-4,6-dinitrophenol	mg/kg	0	0.4	-	106	-	101	-	46	139	6	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	mg/kg	0	0.2	-	86	-	83	-	5	165	4	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol (o-Cresol)	mg/kg	0	0.2	-	82	-	76	-	45	111	7	-	-	-	-	-	-	-	-	-	-	-
2-Nitroaniline	mg/kg	0	0.2	-	98	-	92	-	59	129	6	-	-	-	-	-	-	-	-	-	-	-
2-Nitrophenol	mg/kg	0	0.2	-	97	-	90	-	48	114	7	-	-	-	-	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	mg/kg	0	0.6	-	38	-	36	-	1	262	6	-	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	mg/kg	0	0.2	-	99	-	92	-	57	126	7	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenylphenylether	mg/kg	0	0.2	-	93	-	90	-	59	122	4	-	-	-	-	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0	0.2	-	95	-	88	-	55	131	8	-	-	100	-	98	-	55	114	2	32	-
4-Chloroaniline	mg/kg	0	0.2	-	90	-	86	-	27	120	4	-	-	-	-	-	-	-	-	-	-	-
4-Chlorophenylphenylether	mg/kg	0	0.2	-	95	-	89	-	59	124	7	-	-	-	-	-	-	-	-	-	-	-
4-Methylphenol (p-Cresol)	mg/kg	0	0.4	-	89	-	85	-	47	119	4	-	-	-	-	-	-	-	-	-	-	-
4-Nitroaniline	mg/kg	0	0.2	-	137	Q	130	-	48	136	6	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	mg/kg	0	0.4	-	99	-	93	-	29	171	6	-	-	107	-	100	-	19	132	6	46	-
Acenaphthene	mg/kg	0	0.2	-	92	-	87	-	57	117	6	-	-	110	-	106	-	44	128	3	34	-
Acenaphthylene	mg/kg	0	0.2	-	92	-	89	-	56	136	2	-	-	-	-	-	-	-	-	-	-	-
Aniline	mg/kg	0	0.2	-	31	-	30	-	1	118	5	-	-	-	-	-	-	-	-	-	-	-
Anthracene	mg/kg	0	0.2	-	90	-	86	-	57	115	4	-	-	-	-	-	-	-	-	-	-	-
Benzidine	mg/kg	0	4	-	51	-	49	-	1	200	5	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	mg/kg	0	0.2	-	99	-	94	-	44	138	5	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	mg/kg	0	0.2	-	98	-	94	-	36	128	5	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	mg/kg	0	0.2	-	96	-	90	-	24	137	6	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	mg/kg	0	0.2	-	95	-	88	-	25	157	7	-	-	-	-	-	-	-	-	-	-	-

NON-AQUEOUS SAMPLES		METHOD BLANK			LAB CONTROL								MATRIX QC									
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 8270*97239 Method: 8270 - GC/MS for Semivolatile Organics, Capillary column, con't																						
Benzo(k)fluoranthene	mg/kg	0	0.2	-	78	-	74	-	39	142	6	-	-	-	-	-	-	-	-	-	-	-
Benzyl Alcohol	mg/kg	0	0.4	-	86	-	81	-	40	126	5	-	-	-	-	-	-	-	-	-	-	-
Benzoic acid	mg/kg	0	2	-	113	-	110	-	1	183	2	-	-	-	-	-	-	-	-	-	-	-
Butylbenzylphthalate	mg/kg	0	0.2	-	97	-	91	-	37	151	6	-	-	-	-	-	-	-	-	-	-	-
Chrysene	mg/kg	0	0.2	-	100	-	93	-	43	147	7	-	-	-	-	-	-	-	-	-	-	-
Di-n-octylphthalate	mg/kg	0	0.2	-	99	-	95	-	21	146	4	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	mg/kg	0	0.2	-	95	-	89	-	30	154	7	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	mg/kg	0	0.2	-	94	-	88	-	58	128	6	-	-	-	-	-	-	-	-	-	-	-
Dibutylphthalate	mg/kg	0.052	0.2	-	91	-	86	-	53	125	5	-	-	-	-	-	-	-	-	-	-	-
Diethylphthalate	mg/kg	0	0.2	-	91	-	86	-	63	123	5	-	-	-	-	-	-	-	-	-	-	-
Dimethylphthalate	mg/kg	0	0.2	-	98	-	91	-	61	129	8	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	mg/kg	0	0.2	-	94	-	91	-	39	137	4	-	-	-	-	-	-	-	-	-	-	-
Fluorene	mg/kg	0	0.2	-	98	-	92	-	57	128	6	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	mg/kg	0	0.2	-	90	-	87	-	59	126	3	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0	0.2	-	91	-	86	-	46	123	5	-	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	mg/kg	0	0.4	-	102	-	95	-	28	207	6	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	mg/kg	0	0.2	-	85	-	80	-	50	114	6	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-c,d)pyrene	mg/kg	0	0.2	-	97	-	89	-	25	162	8	-	-	-	-	-	-	-	-	-	-	-
Isophorone	mg/kg	0	0.2	-	95	-	89	-	40	120	6	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodimethylamine	mg/kg	0	0.2	-	84	-	79	-	17	115	6	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	mg/kg	0	0.2	-	71	-	68	-	43	92	4	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	mg/kg	0	0.2	-	86	-	84	-	32	137	3	-	-	104	-	103	-	52	142	1	26	-
Nitrobenzene	mg/kg	0	0.2	-	86	-	81	-	50	114	6	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	mg/kg	0	0.2	-	90	-	85	-	49	106	5	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	mg/kg	0	0.2	-	94	-	91	-	61	122	4	-	-	-	-	-	-	-	-	-	-	-
Phenol	mg/kg	0	0.2	-	84	-	79	-	43	119	7	-	-	94	-	88	-	34	122	7	38	-
Pentachlorophenol	mg/kg	0	0.4	-	101	-	96	-	39	157	5	-	-	112	-	107	-	10	118	5	47	-
Pyrene	mg/kg	0	0.2	-	100	-	93	-	52	149	7	-	-	110	-	105	-	41	156	5	36	-
Pyridine	mg/kg	0	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroethoxy)methane	mg/kg	0	0.2	-	86	-	83	-	37	118	3	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroethyl)ether	mg/kg	0	0.2	-	83	-	79	-	49	111	5	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0	0.2	-	80	-	78	-	38	147	3	-	-	-	-	-	-	-	-	-	-	-
Bis(2-ethylhexyl)phthalate	mg/kg	0	0.4	-	96	-	91	-	41	147	5	-	-	-	-	-	-	-	-	-	-	-
[2-Fluorobiphenyl]	Percent	110	-	-	97	-	92	-	43	116	-	-	-	111	Q	108	-	38	110	-	-	-
[2-Fluorophenol]	Percent	90	-	-	78	-	72	-	25	110	-	-	-	96	-	89	-	25	110	-	-	-
[2,4,6-Tribromophenol]	Percent	105	-	-	103	-	97	-	28	110	-	-	-	116	Q	114	Q	28	110	-	-	-
[Nitrobenzene-d5]	Percent	101	-	-	89	-	84	-	37	114	-	-	-	108	-	107	-	34	110	-	-	-
[Phenol-d5]	Percent	96	-	-	85	-	80	-	31	110	-	-	-	103	-	97	-	31	110	-	-	-

NON-AQUEOUS SAMPLES	------ METHOD BLANK ------				---------- LAB CONTROL ----------									---------- MATRIX QC ----------								
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 8270*97239 Method: 8270 - GC/MS for Semivolatile Organics, Capillary column, con't																						
[Terphenyl-d14]	Percent	100	-	-	91	-	84	-	33	141	-	-	-	100	-	94	-	18	130	-	-	-
Batch: SIM*97130 Method: D2887 - Simulated Distillation, GC																						
C10-C11	mg/kg	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C13	mg/kg	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C14-C15	mg/kg	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C16-C17	mg/kg	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C18-C19	mg/kg	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C20-C23	mg/kg	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C24-C27	mg/kg	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C28-C31	mg/kg	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32-C35	mg/kg	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C36-C39	mg/kg	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-C43	mg/kg	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44+	mg/kg	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Hydrocarbon Matrix	mg/kg	0	50	-	113	-	86	-	35	122	27	34	-	-	-	-	-	-	-	-	-	-
[Naphthalene]	Percent	65	-	-	101	-	76	-	52	145	-	-	-	-	-	-	-	-	-	-	-	-
[o-Terphenyl]	Percent	68	-	-	125	-	94	-	50	150	-	-	-	-	-	-	-	-	-	-	-	-

VOC ANALYTICAL, GLENDALE
SUPPLEMENTAL QC REPORT FOR 9712103
DATE PRINTED: 17 MAR 1998

AQUEOUS SAMPLES

Batch: VOA,8260*973135 Method: 8260A - Volatile Organics, GCMS

		B802622*1	C8021208*1		C8021209*1		N/A	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Date Analyzed	Date	12/17/97	12/17/97	12/17/97	12/17/97	12/17/97	-	-	-	-	-
Dilution Factor	Times	1	1	1	1	1	-	-	-	-	-
1,1,1-Trichloroethane	ug/L	0	50.9	50.0	58.3	50.0	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	49.3	50.0	40.4	50.0	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	48.0	50.0	50.2	50.0	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	48.2	50.0	54.0	50.0	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	50.0	50.0	57.6	50.0	-	-	-	-	-
1,2-Dibromoethane	ug/L	0	50.4	50.0	46.5	50.0	-	-	-	-	-
1,2-Dichloroethane	ug/L	0	50.4	50.0	49.2	50.0	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	53.4	50.0	53.0	50.0	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	-	-	-	-	-	-	-	-	-
2-Hexanone	ug/L	0	-	-	-	-	-	-	-	-	-
Acetone	ug/L	0	55.0	100	104	100	-	-	-	-	-
Bromodichloromethane	ug/L	0	51.6	50.0	53.3	50.0	-	-	-	-	-
Bromomethane	ug/L	0	34.8	50.0	44.6	50.0	-	-	-	-	-
Benzene	ug/L	0	53.6	50.0	54.5	50.0	-	-	-	-	-
Bromoform	ug/L	0	54.5	50.0	47.2	50.0	-	-	-	-	-
Carbon Tetrachloride	ug/L	0	57.9	50.0	58.8	50.0	-	-	-	-	-
Chloroethane	ug/L	0	47.4	50.0	58.4	50.0	-	-	-	-	-
Chloroform	ug/L	0	44.8	50.0	51.0	50.0	-	-	-	-	-
Chloromethane	ug/L	0	47.5	50.0	46.9	50.0	-	-	-	-	-
Carbon Disulfide	ug/L	0	90.8	100	101	100	-	-	-	-	-
Dibromochloromethane	ug/L	0	51.0	50.0	46.5	50.0	-	-	-	-	-
Methyl ethyl ketone	ug/L	0	151	100	141	100	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	-	100	144	100	-	-	-	-	-
Methylene chloride	ug/L	0.38	49.6	50.0	59.2	50.0	-	-	-	-	-
Trichloroethene	ug/L	0	53.5	50.0	54.2	50.0	-	-	-	-	-
Tetrachloroethene	ug/L	0	51.8	50.0	46.4	50.0	-	-	-	-	-
Vinyl acetate	ug/L	0	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	0	47.5	50.0	46.6	50.0	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	44.8	44.8	50.8	50.0	-	-	-	-	-
cis-1,3-Dichloropropene	ug/L	0	50.6	50.0	50.1	50.0	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	48.9	50.0	56.8	50.0	-	-	-	-	-
trans-1,3-Dichloropropene	ug/L	0	51.1	50.0	50.8	50.0	-	-	-	-	-
4-Bromofluorobenzene Rep.	ug/L	59.2	56.9	50.0	46.1	50.0	-	-	-	-	-
4-Bromofluorobenzene Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-
Toluene-d8 Reported	ug/L	52.8	58.2	50.0	50.9	50.0	-	-	-	-	-

AQUEOUS SAMPLES

Batch: VOA,8260*973135 Method: 8260A - Volatile Organics, GCMS, con't

		B802622*1	C8021208*1		C8021209*1		N/A				
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Toluene-d8 Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-
Dibromofluoromethane Rep.	ug/L	51.5	47.5	50.0	53.6	50.0	-	-	-	-	-
Dibromofluoromethane Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-

NON-AQUEOUS SAMPLES

Batch: HG,SO*973223 Method: 7471 - Mercury (Solids), Cold Vapor AA, Manual

		B712540*1	C7121033*1	.....	C7121034*1	.....	9712015*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Mercury	mg/kg	0	0.617	0.667	0.650	0.667	0	-	0.706	0.690	0.821

Batch: DIG,NAQ,GFA*973255 Method: 3050 - Acid Digestion of Sediments, etc.

		(BLANK)	(LCS)	.....	(LCSD)	.....	(MTX QC)	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Furnace Digestion	Date	12/10/97	12/10/97	12/10/97	12/10/97	12/10/97	12/10/97	12/10/97	12/10/97	12/10/97	12/10/97

Batch: AS,GFA*973255 Method: 7060 - Arsenic, AA, Furnace

		B712705*1	C7121367*1	.....	C7121368*1	.....	9712103*14	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Arsenic	mg/kg	0.12	4.86	5.00	4.72	5.00	13	-	22.1	21.9	17.9

Batch: SE,GFA*973255 Method: 7740 - Selenium, AA, Furnace

		B712706*1	C7121369*1	.....	C7121370*1	.....	9712103*14	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Selenium	mg/kg	0	10.1	10.0	10.0	10.0	0	-	1.96	1.97	4.81

Batch: AG*973256 Method: 6010 - ICAP Metals

		B712710*1	C7121377*1	.....	C7121378*1	.....	9712103*14	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Silver	mg/kg	0.3	20.0	20.0	21.5	20.0	0	-	45.7	48.8	46.3

Batch: AL*973256 Method: 6010 - ICAP Metals

		B712711*1	C7121379*1	.....	C7121380*1	.....	9712103*14	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Aluminum	mg/kg	0	89.5	100	94.5	100	11000	-	14000	14100	15800

Batch: BA*973256 Method: 6010 - ICAP Metals

		B712712*1	C7121381*1	.....	C7121382*1	.....	9712103*14	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Barium	mg/kg	0	95.5	100	102	100	1300	-	1320	1400	1430

NON-AQUEOUS SAMPLES

Batch: BE*973256 Method: 6010 - ICAP Metals

		B712713*1	C7121383*1		C7121384*1		9712103*14	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Beryllium	mg/kg	0	37.3	40.0	39.9	40.0	0.58	-	9.78	10.0	9.84

Batch: CA*973256 Method: 6010 - ICAP Metals

		B712714*1	C7121385*1		C7121386*1		9712103*14	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Calcium	mg/kg	6.4	4600	5000	4980	5000	30000	-	26500	26100	34600

Batch: CD*973256 Method: 6010 - ICAP Metals

		B712715*1	C7121387*1		C7121388*1		9712103*14	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Cadmium	mg/kg	0	49.0	50.0	53.7	50.0	0.68	-	44.5	45.7	47.0

Batch: CO*973256 Method: 6010 - ICAP Metals

		B712716*1	C7121389*1		C7121390*1		9712103*14	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Cobalt	mg/kg	1.0	98.7	100	107	100	10	-	54.3	55.9	56.5

Batch: CR*973256 Method: 6010 - ICAP Metals

		B712717*1	C7121391*1		C7121392*1		9712103*14	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Chromium	mg/kg	0.7	96.8	100	105	100	51	-	90.1	100	96.9

Batch: CU*973256 Method: 6010 - ICAP Metals

		B712718*1	C7121393*1		C7121394*1		9712103*14	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Copper	mg/kg	0	95.3	100	103	100	91	-	131	139	137

Batch: FE*973256 Method: 6010 - ICAP Metals

		B712719*1	C7121395*1		C7121396*1		9712103*14	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Iron	mg/kg	0	100	100	108	100	21000	-	23000	23100	24200

NON-AQUEOUS SAMPLES

Batch: MO*973256 Method: 6010 - ICAP Metals

		B712720*1	C7121397*1		C7121398*1		9712103*14	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Molybdenum	mg/kg	0.2	94.5	100	103	100	1.4	-	43.6	44.1	46.3

Batch: NI*973256 Method: 6010 - ICAP Metals

		B712721*1	C7121399*1		C7121400*1		9712103*14	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Nickel	mg/kg	1.1	98.4	101	106	101	22	-	65.6	70.1	68.0

Batch: PB*973256 Method: 6010 - ICAP Metals

		B712722*1	C7121401*1		C7121402*1		9712103*14	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Lead	mg/kg	3.4	98.7	100	110	100	460	-	495	505	548

Batch: SB*973256 Method: 6010 - ICAP Metals

		B712723*1	C7121403*1		C7121404*1		9712103*14	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Antimony	mg/kg	0	98.2	100	102	100	0.62	-	120	122	278

Batch: TL*973256 Method: 6010 - ICAP Metals

		B712724*1	C7121405*1		C7121406*1		9712103*14	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Thallium	mg/kg	0	99.8	100	108	100	0	-	170	181	185

Batch: V*973256 Method: 6010 - ICAP Metals

		B712725*1	C7121407*1		C7121408*1		9712103*14	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Vanadium	mg/kg	0	95.1	100	103	100	35	-	119	122	128

Batch: ZN*973256 Method: 6010 - ICAP Metals

		B712726*1	C7121409*1		C7121410*1		9712103*14	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Zinc	mg/kg	0.4	101	102	112	102	260	-	291	306	304

VOC ANALYTICAL, GLENDALE
SUPPLEMENTAL QC REPORT FOR 9712103
DATE PRINTED: 17 MAR 1998

NON-AQUEOUS SAMPLES

Batch: DIG,NAQ*973256 Method: 3050A - Acid Digestion of Sediments, etc.

		(BLANK)	(LCS)		(LCSD)		(MTX QC)	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Digestion	Date	12/10/97	12/10/97	12/10/97	12/10/97	12/10/97	12/10/97	12/10/97	12/10/97	12/10/97	12/10/97

NON-AQUEOUS SAMPLES

Batch: 8260*9787137 Method: 8260A - Volatile Organics, GCMS

		B802623*1	C8021210*1		C8021455*1		9712103*5	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Date Analyzed	Date	12/10/97	12/12/97	12/12/97	-	-	12/11/97	-	12/11/97	12/11/97	12/11/97
Date Extracted	Date	12/10/97	12/10/97	12/10/97	-	-	12/11/97	-	12/11/97	12/11/97	12/11/97
Dilution Factor	Times	100	1	1	-	-	100	-	100	100	100
1,1,1-Trichloroethane	mg/kg	0	0.0511	0.0500	-	-	0	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0	0.0474	0.0500	-	-	0	-	-	-	-
1,1,2-Trichloroethane	mg/kg	0	0.0429	0.0500	-	-	0	-	-	-	-
1,1-Dichloroethane	mg/kg	0	0.0529	0.0500	-	-	0	-	-	-	-
1,1-Dichloroethene	mg/kg	0	0.0507	0.0500	-	-	0	-	5.35	5.15	5.0
1,2-Dibromoethane	mg/kg	0	0.0411	0.0500	-	-	0	-	-	-	-
1,2-Dichloroethane	mg/kg	0	0.0464	0.0500	-	-	0	-	-	-	-
1,2-Dichloropropane	mg/kg	0	0.0500	0.0500	-	-	0	-	-	-	-
2-Chloroethylvinylether	mg/kg	0	0.0433	0.0500	-	-	0	-	-	-	-
2-Hexanone	mg/kg	0	0.0406	0.0500	-	-	0	-	-	-	-
Acetone	mg/kg	0	0.128	0.100	-	-	0	-	-	-	-
Bromodichloromethane	mg/kg	0	0.0512	0.0500	-	-	0	-	-	-	-
Bromomethane	mg/kg	0	0.0623	0.0500	-	-	0	-	-	-	-
Benzene	mg/kg	0	0.0490	0.0500	-	-	7.7	-	6.00	6.47	12.8
Bromoform	mg/kg	0	0.0471	0.0500	-	-	0	-	-	-	-
Carbon Tetrachloride	mg/kg	0	0.0517	0.0500	-	-	0	-	-	-	-
Chloroethane	mg/kg	0	0.0648	0.0500	-	-	0	-	-	-	-
Chloroform	mg/kg	0	0.0466	0.0500	-	-	0	-	-	-	-
Chloromethane	mg/kg	0	0.0590	0.0500	-	-	0	-	-	-	-
Carbon Disulfide	mg/kg	0	0.0568	0.100	-	-	0	-	-	-	-
Dibromochloromethane	mg/kg	0	0.0512	0.0500	-	-	0	-	-	-	-
Methyl ethyl ketone	mg/kg	0	0.0641	0.100	-	-	0	-	-	-	-
Methyl isobutyl ketone	mg/kg	0	0.0364	0.100	-	-	0	-	-	-	-
Methylene chloride	mg/kg	0	0.0519	0.0500	-	-	0	-	-	-	-
Trichloroethene	mg/kg	0	0.0548	0.0500	-	-	0	-	6.38	5.61	5.0
Tetrachloroethene	mg/kg	0	0.0619	0.0500	-	-	0	-	-	-	-
Vinyl acetate	mg/kg	0	0.0790	0.100	-	-	0	-	-	-	-
Vinyl chloride	mg/kg	0	0.0583	0.0500	-	-	0	-	-	-	-
cis-1,2-Dichloroethene	mg/kg	0	0.0503	0.0500	-	-	0	-	-	-	-
cis-1,3-Dichloropropene	mg/kg	0	0.0478	0.0500	-	-	0	-	-	-	-
trans-1,2-Dichloroethene	mg/kg	0	0.0590	0.0500	-	-	0	-	-	-	-
trans-1,3-Dichloropropene	mg/kg	0	0.0477	0.0500	-	-	0	-	-	-	-
4-Bromofluorobenzene Rep.	mg/kg	5.59	0.0612	0.0500	-	-	7.00	-	6.76	7.13	5.00
4-Bromofluorobenzene Theo.	mg/kg	5.00	0.0500	0.0500	-	-	5.00	-	5.00	5.00	5.00

NON-AQUEOUS SAMPLES

Batch: 8260*9787137 Method: 8260A - Volatile Organics, GCMS, con't

		B802623*1	C8021210*1		C8021455*1		9712103*5	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Toluene-d8 Reported	mg/kg	5.78	0.0604	0.0500	-	-	7.19	-	6.63	6.89	5.00
Toluene-d8 Theo.	mg/kg	5.00	0.0500	0.0500	-	-	5.00	-	5.00	5.00	5.00
Dibromofluoromethane Rep.	mg/kg	4.44	0.0477	0.0500	-	-	6.00	-	5.47	5.38	5.00
Dibromofluoromethane Theo.	mg/kg	5.00	0.0500	0.0500	-	-	5.00	-	5.00	5.00	5.00

Batch: 8080*97228 Method: 8080 - Organochlorine Pesticides and PCBs

		B8012204*1	C8012433*1		C8012434*1		9712226*10	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Date Analyzed	Date	01/01/98	01/07/98	01/07/98	01/07/98	01/07/98	-	-	-	-	-
Date Extracted	Date	12/10/97	12/10/97	12/10/97	12/10/97	12/10/97	-	-	-	-	-
Dilution Factor	Times	1	1	1	1	1	-	-	-	-	-
Aldrin	mg/kg	0.0002	0.0074	0.0083	0.0075	0.0083	-	-	-	-	-
Chlordane	mg/kg	0	-	-	-	-	-	-	-	-	-
p,p'-DDD	mg/kg	0	0.0089	0.0083	0.0080	0.0083	-	-	-	-	-
p,p'-DDE	mg/kg	0	0.0080	0.0083	0.0082	0.0083	-	-	-	-	-
p,p'-DDT	mg/kg	0	0.0072	0.0083	0.0071	0.0083	-	-	-	-	-
Dieldrin	mg/kg	0	0.0075	0.0083	0.0073	0.0083	-	-	-	-	-
Endosulfan I	mg/kg	0	0.0063	0.0083	0.0062	0.0083	-	-	-	-	-
Endosulfan II	mg/kg	0	0.0079	0.0083	0.0072	0.0083	-	-	-	-	-
Endosulfan sulfate	mg/kg	0	0.0075	0.0083	0.0073	0.0083	-	-	-	-	-
Endrin	mg/kg	0	0.0071	0.0083	0.0074	0.0083	-	-	-	-	-
Endrin aldehyde	mg/kg	0	0.0071	0.0083	0.0071	0.0083	-	-	-	-	-
Endrin Ketone	mg/kg	0	0.0065	0.0083	0.0065	0.0083	-	-	-	-	-
Heptachlor epoxide	mg/kg	0	0.0076	0.0083	0.0075	0.0083	-	-	-	-	-
Heptachlor	mg/kg	0	0.0075	0.0083	0.0074	0.0083	-	-	-	-	-
Methoxychlor	mg/kg	0	0.0070	0.0083	0.0068	0.0083	-	-	-	-	-
Toxaphene	mg/kg	0	-	-	-	-	-	-	-	-	-
BHC, alpha isomer	mg/kg	0	0.0075	0.0083	0.0074	0.0083	-	-	-	-	-
BHC, beta isomer	mg/kg	0	0.0071	0.0083	0.0076	0.0083	-	-	-	-	-
BHC, delta isomer	mg/kg	0	0.0078	0.0083	0.0078	0.0083	-	-	-	-	-
BHC, gamma isomer (Lindane)	mg/kg	0	0.0074	0.0083	0.0075	0.0083	-	-	-	-	-
Decachlorobiphenyl Reported	mg/kg	0.0075	0.0064	0.0083	0.0062	0.0083	-	-	-	-	-
Decachlorobiphenyl Theoretical	mg/kg	0.0083	0.0083	0.0083	0.0083	0.0083	-	-	-	-	-
Tetrachloro-meta-xylene Rpt.	mg/kg	0.0078	0.0066	0.0083	0.0065	0.0083	-	-	-	-	-
Tetrachloro-meta-xylene Theor.	mg/kg	0.0083	0.0083	0.0083	0.0083	0.0083	-	-	-	-	-

NON-AQUEOUS SAMPLES

Batch: 8080,PCB*97228 Method: 8080 - Organochlorine Pesticides and PCBs

		B8012203*1	C8012431*1		C8012432*1		9712226*10	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Date Analyzed	Date	01/01/98	01/01/98	01/01/98	01/01/98	01/01/98	01/03/98	-	01/03/98	-	01/03/98
Date Extracted	Date	12/10/97	12/10/97	12/10/97	12/10/97	12/10/97	12/10/97	-	12/10/97	-	12/10/97
Dilution Factor	Times	1	1	1	1	1	1	-	1	-	1
Aroclor 1016	mg/kg	0	0.168	0.167	0.178	0.167	0	-	0.126	-	0.167
Aroclor 1221	mg/kg	0	-	-	-	-	0	-	-	-	-
Aroclor 1232	mg/kg	0	-	-	-	-	0	-	-	-	-
Aroclor 1242	mg/kg	0	-	-	-	-	0	-	-	-	-
Aroclor 1248	mg/kg	0	-	-	-	-	0	-	-	-	-
Aroclor 1254	mg/kg	0	-	-	-	-	0	-	-	-	-
Aroclor 1260	mg/kg	0	0.157	0.167	0.182	0.167	0	-	0.131	-	0.167
Decachlorobiphenyl Reported	mg/kg	0.0075	0.0074	0.0083	0.0080	0.0083	0.0084	-	0.0070	-	0.0083
Decachlorobiphenyl Theoretical	mg/kg	0.0083	0.0083	0.0083	0.0083	0.0083	0.0083	-	0.0083	-	0.0083
Tetrachloro-meta-xylene Rpt.	mg/kg	0.0078	0.0067	0.0083	0.0066	0.0083	0.0082	-	°0.0063	-	0.0083
Tetrachloro-meta-xylene Theor.	mg/kg	0.0083	0.0083	0.0083	0.0083	0.0083	0.0083	-	0.0083	-	0.0083

NON-AQUEOUS SAMPLES

Batch: 8270*97239 Method: 8270 - GC/MS for Semivolatile Organics, Capillary column (Matrix QC on basis of 5.2% moisture.)

		8712450*1	C712869*1		C712870*1		9712114*4	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Date Analyzed	Date	12/08/97	12/08/97	12/08/97	12/08/97	12/08/97	12/08/97	-	12/09/97	12/09/97	12/09/97
Date Extracted	Date	12/05/97	12/05/97	12/05/97	12/05/97	12/05/97	12/05/97	-	12/05/97	12/05/97	12/05/97
Dilution Factor	Times	1	1	1	1	1	1	-	1	1	1
1,2,4-Trichlorobenzene	mg/kg	0	2.82	3.33	2.69	3.33	0	-	1.77	1.72	1.76
1,2-Dichlorobenzene	mg/kg	0	2.70	3.33	2.53	3.33	0	-	-	-	-
1,2-Diphenylhydrazine	mg/kg	0	2.88	3.33	2.73	3.33	0	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0	2.72	3.33	2.57	3.33	0	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0	2.67	3.33	2.52	3.33	0	-	1.69	1.6	1.76
2,4,5-Trichlorophenol	mg/kg	0	3.40	3.33	3.22	3.33	0	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0	3.37	3.33	3.17	3.33	0	-	-	-	-
2,4-Dichlorophenol	mg/kg	0	3.13	3.33	2.93	3.33	0	-	-	-	-
2,4-Dimethylphenol	mg/kg	0	3.13	3.33	2.91	3.33	0	-	-	-	-
2,4-Dinitrophenol	mg/kg	0	3.81	3.33	3.56	3.33	0	-	-	-	-
2,4-Dinitrotoluene	mg/kg	0	3.10	3.33	2.92	3.33	0	-	1.81	1.74	1.76
2,6-Dinitrotoluene	mg/kg	0	2.99	3.33	2.84	3.33	0	-	-	-	-
2-Chloronaphthalene	mg/kg	0	2.32	3.33	2.19	3.33	0	-	-	-	-
2-Chlorophenol	mg/kg	0	2.91	3.33	2.67	3.33	0	-	2.49	2.36	2.64
2-Methyl-4,6-dinitrophenol	mg/kg	0	3.54	3.33	3.35	3.33	0	-	-	-	-
2-Methylnaphthalene	mg/kg	0	2.87	3.33	2.77	3.33	0	-	-	-	-
2-Methylphenol (o-Cresol)	mg/kg	0	2.73	3.33	2.54	3.33	0	-	-	-	-
2-Nitroaniline	mg/kg	0	3.25	3.33	3.05	3.33	0	-	-	-	-
2-Nitrophenol	mg/kg	0	3.24	3.33	3.01	3.33	0	-	-	-	-
3,3'-Dichlorobenzidine	mg/kg	0	2.55	6.67	2.40	6.67	0	-	-	-	-
3-Nitroaniline	mg/kg	0	3.29	3.33	3.06	3.33	0	-	-	-	-
4-Bromophenylphenylether	mg/kg	0	3.11	3.33	2.99	3.33	0	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0	3.17	3.33	2.93	3.33	0	-	2.64	2.59	2.64
4-Chloroaniline	mg/kg	0	2.99	3.33	2.86	3.33	0	-	-	-	-
4-Chlorophenylphenylether	mg/kg	0	3.16	3.33	2.95	3.33	0	-	-	-	-
4-Methylphenol (p-Cresol)	mg/kg	0	2.96	3.33	2.84	3.33	0	-	-	-	-
4-Nitroaniline	mg/kg	0	4.57	3.33	4.32	3.33	0	-	-	-	-
4-Nitrophenol	mg/kg	0	3.31	3.33	3.11	3.33	0	-	2.82	2.65	2.64
Acenaphthene	mg/kg	0	3.08	3.33	2.90	3.33	0	-	1.93	1.87	1.76
Acenaphthylene	mg/kg	0	3.05	3.33	2.98	3.33	0	-	-	-	-
Aniline	mg/kg	0	1.04	3.33	0.987	3.33	0	-	-	-	-
Anthracene	mg/kg	0	3.00	3.33	2.87	3.33	0	-	-	-	-
Benzidine	mg/kg	0	3.41	6.67	3.24	6.67	0	-	-	-	-
Benzo(a)anthracene	mg/kg	0	3.31	3.33	3.14	3.33	0	-	-	-	-

NON-AQUEOUS SAMPLES

Batch: 8270*97239 Method: 8270 - GC/MS for Semivolatile Organics, Capillary column, con't

(Matrix QC on basis of 5.2% moisture.)

		B712450*1	C712869*1		C712870*1		9712114*4	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Benzo(a)pyrene	mg/kg	0	3.27	3.33	3.12	3.33	0	-	-	-	-
Benzo(b)fluoranthene	mg/kg	0	3.21	3.33	3.01	3.33	0	-	-	-	-
Benzo(g,h,i)perylene	mg/kg	0	3.15	3.33	2.93	3.33	0	-	-	-	-
Benzo(k)fluoranthene	mg/kg	0	2.61	3.33	2.47	3.33	0	-	-	-	-
Benzyl Alcohol	mg/kg	0	2.85	3.33	2.71	3.33	0	-	-	-	-
Benzoic acid	mg/kg	0	7.52	6.67	7.35	6.67	0	-	-	-	-
Butylbenzylphthalate	mg/kg	0	3.23	3.33	3.04	3.33	0	-	-	-	-
Chrysene	mg/kg	0	3.33	3.33	3.10	3.33	0	-	-	-	-
Di-n-octylphthalate	mg/kg	0	3.30	3.33	3.16	3.33	0	-	-	-	-
Dibenzo(a,h)anthracene	mg/kg	0	3.17	3.33	2.97	3.33	0	-	-	-	-
Dibenzofuran	mg/kg	0	3.13	3.33	2.94	3.33	0	-	-	-	-
Dibutylphthalate	mg/kg	0.052	3.02	3.33	2.88	3.33	0.0495	-	-	-	-
Diethylphthalate	mg/kg	0	3.02	3.33	2.88	3.33	0	-	-	-	-
Dimethylphthalate	mg/kg	0	3.26	3.33	3.02	3.33	0	-	-	-	-
Fluoranthene	mg/kg	0	3.13	3.33	3.02	3.33	0	-	-	-	-
Fluorene	mg/kg	0	3.26	3.33	3.06	3.33	0	-	-	-	-
Hexachlorobenzene	mg/kg	0	3.00	3.33	2.90	3.33	0	-	-	-	-
Hexachlorobutadiene	mg/kg	0	3.04	3.33	2.88	3.33	0	-	-	-	-
Hexachlorocyclopentadiene	mg/kg	0	3.38	3.33	3.17	3.33	0	-	-	-	-
Hexachloroethane	mg/kg	0	2.83	3.33	2.67	3.33	0	-	-	-	-
Indeno(1,2,3-c,d)pyrene	mg/kg	0	3.22	3.33	2.96	3.33	0	-	-	-	-
Isophorone	mg/kg	0	3.15	3.33	2.96	3.33	0	-	-	-	-
N-Nitrosodimethylamine	mg/kg	0	2.79	3.33	2.64	3.33	0	-	-	-	-
N-Nitrosodiphenylamine	mg/kg	0	2.37	3.33	2.28	3.33	0	-	-	-	-
N-Nitrosodi-n-propylamine	mg/kg	0	2.88	3.33	2.80	3.33	0	-	1.82	1.81	1.76
Nitrobenzene	mg/kg	0	2.88	3.33	2.71	3.33	0	-	-	-	-
Naphthalene	mg/kg	0	2.99	3.33	2.83	3.33	0	-	-	-	-
Phenanthrene	mg/kg	0	3.13	3.33	3.02	3.33	0	-	-	-	-
Phenol	mg/kg	0	2.80	3.33	2.62	3.33	0	-	2.48	2.32	2.64
Pentachlorophenol	mg/kg	0	3.35	3.33	3.19	3.33	0	-	2.96	2.83	2.64
Pyrene	mg/kg	0	3.33	3.33	3.09	3.33	0	-	1.94	1.85	1.76
Pyridine	mg/kg	0	-	-	-	-	0	-	-	-	-
Bis(2-chloroethoxy)methane	mg/kg	0	2.86	3.33	2.78	3.33	0	-	-	-	-
Bis(2-chloroethyl)ether	mg/kg	0	2.75	3.33	2.62	3.33	0	-	-	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0	2.66	3.33	2.59	3.33	0	-	-	-	-
Bis(2-ethylhexyl)phthalate	mg/kg	0	3.20	3.33	3.04	3.33	0	-	-	-	-
2-Fluorobiphenyl Reported	mg/kg	1.83	1.62	1.67	1.54	1.67	2.03	-	1.96	1.9	1.76

NON-AQUEOUS SAMPLES

Batch: 8270*97239 Method: 8270 - GC/MS for Semivolatile Organics, Capillary column, con't

(Matrix QC on basis of 5.2% moisture.)

		B712450*1	C712869*1		C712870*1		9712114*4	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
2-Fluorobiphenyl Theo.	mg/kg	1.67	1.67	1.67	1.67	1.67	1.76	-	1.76	1.76	1.76
2-Fluorophenol Reported	mg/kg	2.24	1.96	2.50	1.81	2.50	2.53	-	2.52	2.34	2.64
2-Fluorophenol Theoretical	mg/kg	2.50	2.50	2.50	2.50	2.50	2.64	-	2.64	2.64	2.64
2,4,6-Tribromophenol Rep.	mg/kg	2.63	2.58	2.50	2.42	2.50	2.89	-	3.07	3	2.64
2,4,6-Tribromophenol Theo.	mg/kg	2.50	2.50	2.50	2.50	2.50	2.64	-	2.64	2.64	2.64
Nitrobenzene-d5 Reported	mg/kg	1.68	1.49	1.67	1.40	1.67	1.85	-	1.91	1.89	1.76
Nitrobenzene-d5 Theoretical	mg/kg	1.67	1.67	1.67	1.67	1.67	1.76	-	1.76	1.76	1.76
Phenol-d5 Reported	mg/kg	2.40	2.13	2.50	2.00	2.50	2.75	-	2.71	2.56	2.64
Phenol-d5 Theoretical	mg/kg	2.50	2.50	2.50	2.50	2.50	2.64	-	2.64	2.64	2.64
Terphenyl-d14 Reported	mg/kg	1.67	1.52	1.67	1.40	1.67	1.78	-	1.76	1.66	1.76
Terphenyl-d14 Theoretical	mg/kg	1.67	1.67	1.67	1.67	1.67	1.76	-	1.76	1.76	1.76

Batch: SIM*97130 Method: D2887 - Simulated Distillation, GC

		B8013554*1	C8015110*1		C8015111*1		N/A	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Sample Amount	g	10	10	10	10	10	-	-	-	-	-
Extract Volume	mL	10	10	10	10	10	-	-	-	-	-
Dilution Factor	Times	1	1	1	1	1	-	-	-	-	-
C10-C11	mg/kg	0	-	-	-	-	-	-	-	-	-
C12-C13	mg/kg	0	-	-	-	-	-	-	-	-	-
C14-C15	mg/kg	0	-	-	-	-	-	-	-	-	-
C16-C17	mg/kg	0	-	-	-	-	-	-	-	-	-
C18-C19	mg/kg	0	-	-	-	-	-	-	-	-	-
C20-C23	mg/kg	0	-	-	-	-	-	-	-	-	-
C24-C27	mg/kg	0	-	-	-	-	-	-	-	-	-
C28-C31	mg/kg	0	-	-	-	-	-	-	-	-	-
C32-C35	mg/kg	0	-	-	-	-	-	-	-	-	-
C36-C39	mg/kg	0	-	-	-	-	-	-	-	-	-
C40-C43	mg/kg	0	-	-	-	-	-	-	-	-	-
C44+	mg/kg	0	-	-	-	-	-	-	-	-	-
Total Hydrocarbon Matrix	mg/kg	0	225	200.0	171	200.0	-	-	-	-	-
Naphthalene Reported	mg/kg	6.47	10.1	10.0	7.55	10.0	-	-	-	-	-
Naphthalene Theoretical	mg/kg	10.0	10.0	10.0	10.0	10.0	-	-	-	-	-
o-Terphenyl Reported	mg/kg	6.75	12.5	10.0	9.37	10.0	-	-	-	-	-
o-Terphenyl Theoretical	mg/kg	10.0	10.0	10.0	10.0	10.0	-	-	-	-	-

: SURROGATE RECOVERIES :
: BC ANALYTICAL : GLEN LAB : 06:39:09 17 MAR 1998 - P. 1 :

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
9712103*1							
8260A	Toluene-d8	9787137	12/10/97	5.74	5.00	115	
	4-Bromofluorobenzene Rep.	9787137	12/10/97	5.94	5.00	119	
	Dibromofluoromethane Rep.	9787137	12/10/97	5.08	5.00	102	
9712103*2							
8260A	Toluene-d8	9787137	12/11/97	5.24	5.00	105	
	4-Bromofluorobenzene Rep.	9787137	12/11/97	5.90	5.00	118	
	Dibromofluoromethane Rep.	9787137	12/11/97	2.56	2.50	102	
9712103*3							
8260A	Toluene-d8	9787137	12/12/97	6.24	5.00	125	
	4-Bromofluorobenzene Rep.	9787137	12/12/97	6.00	5.00	120	
	Dibromofluoromethane Rep.	9787137	12/12/97	5.69	5.00	114	
9712103*4							
8260A	Toluene-d8	9787137	12/11/97	5.40	5.00	108	
	4-Bromofluorobenzene Rep.	9787137	12/11/97	5.86	5.00	117	
	Dibromofluoromethane Rep.	9787137	12/11/97	4.86	5.00	97	
9712103*5							
8260A	Toluene-d8	9787137	12/11/97	7.19	5.00	144	
	4-Bromofluorobenzene Rep.	9787137	12/11/97	7.00	5.00	140	
	Dibromofluoromethane Rep.	9787137	12/11/97	6.00	5.00	120	
9712103*6							
8260A	Toluene-d8	9787137	12/11/97	6.46	5.00	129	
	4-Bromofluorobenzene Rep.	9787137	12/11/97	6.29	5.00	126	
	Dibromofluoromethane Rep.	9787137	12/11/97	4.97	5.00	99	
9712103*7							
8260A	Toluene-d8	9787137	12/11/97	7.45	6.30	118	
	4-Bromofluorobenzene Rep.	9787137	12/11/97	7.98	6.30	127	
	Dibromofluoromethane Rep.	9787137	12/11/97	6.14	6.30	97	
9712103*8							
8260A	Toluene-d8	9787137	12/11/97	6.87	4.2	164	
	4-Bromofluorobenzene Rep.	9787137	12/11/97	5.94	4.2	141	
	Dibromofluoromethane Rep.	9787137	12/11/97	3.42	4.2	81	
9712103*9							
8260A	Toluene-d8	9787137	12/11/97	4.97	5.00	99	
	4-Bromofluorobenzene Rep.	9787137	12/11/97	5.25	5.00	105	
	Dibromofluoromethane Rep.	9787137	12/11/97	3.96	5.00	79	
9712103*10							

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
8260A	Toluene-d8	9787137	12/10/97	8.71	5.90	148	
	4-Bromofluorobenzene Rep.	9787137	12/10/97	8.67	5.90	147	
	Dibromofluoromethane Rep.	9787137	12/10/97	7.53	5.90	128	
9712103*11							
8260A	Toluene-d8	9787137	12/11/97	7.50	5.00	150	
	4-Bromofluorobenzene Rep.	9787137	12/11/97	7.10	5.00	142	
	Dibromofluoromethane Rep.	9787137	12/11/97	6.26	5.00	125	
9712103*12							
8260A	Toluene-d8	9787137	12/11/97	7.18	5.00	144	
	4-Bromofluorobenzene Rep.	9787137	12/11/97	6.99	5.00	140	
	Dibromofluoromethane Rep.	9787137	12/11/97	6.15	5.00	123	
9712103*13							
8260A	Toluene-d8	9787137	12/11/97	9.79	6.00	163	
	4-Bromofluorobenzene Rep.	9787137	12/11/97	8.99	6.00	150	
	Dibromofluoromethane Rep.	9787137	12/11/97	7.39	6.00	123	
9712103*14							
8270	2-Fluorophenol	97239	12/26/97	0 NC	2.50	0	
	Phenol-d5	97239	12/26/97	0 NC	2.50	0	
	Nitrobenzene-d5	97239	12/26/97	0 NC	1.67	0	
	2-Fluorobiphenyl	97239	12/26/97	0 NC	1.67	0	
	2,4,6-Tribromophenol Rep.	97239	12/26/97	0 NC	2.50	0	
	Terphenyl-d14	97239	12/26/97	0 NC	1.67	0	
D2887	Naphthalene	97130	12/09/97	NC	10.0	0	
	o-Terphenyl	97130	12/09/97	NC	10.0	0	
8080	Tetrachloro-meta-xylene R	97228	01/14/98	0.0059	0.0083	71	
	Decachlorobiphenyl	97228	01/14/98	0.0053	0.0083	64	
8080	Tetrachloro-meta-xylene R	97228	01/08/98	0.0053	0.0083	64	
	Decachlorobiphenyl	97228	01/08/98	0.0068	0.0083	82	
9712103*15							
8270	2-Fluorophenol	97239	12/09/97	0 NC	2.50	0	
	Phenol-d5	97239	12/09/97	0 NC	2.50	0	
	Nitrobenzene-d5	97239	12/09/97	0 NC	1.67	0	
	2-Fluorobiphenyl	97239	12/09/97	0 NC	1.67	0	
	2,4,6-Tribromophenol Rep.	97239	12/09/97	0 NC	2.50	0	
	Terphenyl-d14	97239	12/09/97	0 NC	1.67	0	
D2887	Naphthalene	97130	12/11/97	NC	10.0	0	
	o-Terphenyl	97130	12/11/97	NC	10.0	0	
8080	Tetrachloro-meta-xylene R	97228	01/14/98	0.0156	0.0083	188	
	Decachlorobiphenyl	97228	01/14/98	0.0096	0.0083	116	
8080	Tetrachloro-meta-xylene R	97228	01/09/98	0.0124	0.0083	149	
	Decachlorobiphenyl	97228	01/09/98	0.0096	0.0083	116	
9712103*16							
8270	2-Fluorophenol	97239	12/09/97	2.22	2.50	89	
	Phenol-d5	97239	12/09/97	2.43	2.50	97	

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
	Nitrobenzene-d5	97239	12/09/97	1.73	1.67	104	
	2-Fluorobiphenyl	97239	12/09/97	1.80	1.67	108	
	2,4,6-Tribromophenol Rep.	97239	12/09/97	2.77	2.50	111	
	Terphenyl-d14	97239	12/09/97	1.51	1.67	90	
D2887	Naphthalene	97130	12/09/97	6.58	10.0	66	
	o-Terphenyl	97130	12/09/97	6.86	10.0	69	
8080	Tetrachloro-meta-xylene	R97228	01/14/98	0.0066	0.0083	80	
	Decachlorobiphenyl	97228	01/14/98	0.0080	0.0083	96	
8080	Tetrachloro-meta-xylene	R97228	01/14/98	0.0066	0.0083	80	
	Decachlorobiphenyl	97228	01/14/98	0.0080	0.0083	96	
9712103*17							
8270	2-Fluorophenol	97239	12/26/97	0 NC	2.50	0	
	Phenol-d5	97239	12/26/97	0 NC	2.50	0	
	Nitrobenzene-d5	97239	12/26/97	0 NC	1.67	0	
	2-Fluorobiphenyl	97239	12/26/97	0 NC	1.67	0	
	2,4,6-Tribromophenol Rep.	97239	12/26/97	0 NC	2.50	0	
	Terphenyl-d14	97239	12/26/97	0 NC	1.67	0	
D2887	Naphthalene	97130	12/11/98	NC	10.0	0	
	o-Terphenyl	97130	12/11/98	NC	10.0	0	
8080	Tetrachloro-meta-xylene	R97228	01/16/98	0.0036	0.0083	43	
	Decachlorobiphenyl	97228	01/16/98	0.0086	0.0083	104	
8080	Tetrachloro-meta-xylene	R97228	01/15/98	0.0073	0.0083	88	
	Decachlorobiphenyl	97228	01/15/98	0 NC	0.0083	0	
9712103*18							
8270	2-Fluorophenol	97239	12/09/97	0 NC	2.50	0	
	Phenol-d5	97239	12/09/97	0 NC	2.50	0	
	Nitrobenzene-d5	97239	12/09/97	0 NC	1.67	0	
	2-Fluorobiphenyl	97239	12/09/97	0 NC	1.67	0	
	2,4,6-Tribromophenol Rep.	97239	12/09/97	0 NC	2.50	0	
	Terphenyl-d14	97239	12/09/97	0 NC	1.67	0	
D2887	Naphthalene	97130	12/11/97	NC	10.0	0	
	o-Terphenyl	97130	12/11/97	NC	10.0	0	
8080	Tetrachloro-meta-xylene	R97228	01/16/98	0.0096	0.0083	116	
	Decachlorobiphenyl	97228	01/16/98	0.0063	0.0083	76	
8080	Tetrachloro-meta-xylene	R97228	01/14/98	0.0123	0.0083	148	
	Decachlorobiphenyl	97228	01/14/98	0.0071	0.0083	86	
9712103*19							
8270	2-Fluorophenol	97239	12/09/97	1.62	2.50	65	
	Phenol-d5	97239	12/09/97	1.76	2.50	70	
	Nitrobenzene-d5	97239	12/09/97	1.39	1.67	83	
	2-Fluorobiphenyl	97239	12/09/97	1.45	1.67	87	
	2,4,6-Tribromophenol Rep.	97239	12/09/97	1.97	2.50	79	
	Terphenyl-d14	97239	12/09/97	1.23	1.67	74	
D2887	Naphthalene	97130	12/11/98	6.38	10.0	64	
	o-Terphenyl	97130	12/11/98	7.98	10.0	80	
8080	Tetrachloro-meta-xylene	R97228	01/14/98	0.0063	0.0083	76	
	Decachlorobiphenyl	97228	01/14/98	0.0074	0.0083	89	
8080	Tetrachloro-meta-xylene	R97228	01/08/98	0.0071	0.0083	86	
	Decachlorobiphenyl	97228	01/08/98	0.0170	0.0083	205	

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
9712103*20							
8270	2-Fluorophenol	97239	12/09/97	0 NC	2.50	0	
	Phenol-d5	97239	12/09/97	0 NC	2.50	0	
	Nitrobenzene-d5	97239	12/09/97	0 NC	1.67	0	
	2-Fluorobiphenyl	97239	12/09/97	0 NC	1.67	0	
	2,4,6-Tribromophenol Rep.	97239	12/09/97	0 NC	2.50	0	
	Terphenyl-d14	97239	12/09/97	0 NC	1.67	0	
D2887	Naphthalene	97130	12/09/97	7.57	10.0	76	
	o-Terphenyl	97130	12/09/97	7.48	10.0	75	
8080	Tetrachloro-meta-xylene	R97228	01/14/98	0.0044	0.0083	53	
	Decachlorobiphenyl	97228	01/14/98	0.0067	0.0083	81	
8080	Tetrachloro-meta-xylene	R97228	01/14/98	0.0044	0.0083	53	
	Decachlorobiphenyl	97228	01/14/98	0.0067	0.0083	81	
9712103*21							
8270	2-Fluorophenol	97239	12/26/97	0 NC	2.50	0	
	Phenol-d5	97239	12/26/97	0 NC	2.50	0	
	Nitrobenzene-d5	97239	12/26/97	0 NC	1.67	0	
	2-Fluorobiphenyl	97239	12/26/97	0 NC	1.67	0	
	2,4,6-Tribromophenol Rep.	97239	12/26/97	0 NC	2.50	0	
	Terphenyl-d14	97239	12/26/97	0 NC	1.67	0	
D2887	Naphthalene	97130	12/11/97	NC	10.0	0	
	o-Terphenyl	97130	12/11/97	NC	10.0	0	
8080	Tetrachloro-meta-xylene	R97228	01/19/98	0.0047	0.0083	57	
	Decachlorobiphenyl	97228	01/19/98	0 NC	0.0083	0	
8080	Tetrachloro-meta-xylene	R97228	01/15/98	0.0102	0.0083	123	
	Decachlorobiphenyl	97228	01/15/98	0 NC	0.0083	0	
9712103*22							
8270	2-Fluorophenol	97239	12/09/97	1.76	2.50	70	
	Phenol-d5	97239	12/09/97	1.95	2.50	78	
	Nitrobenzene-d5	97239	12/09/97	1.37	1.67	82	
	2-Fluorobiphenyl	97239	12/09/97	1.51	1.67	90	
	2,4,6-Tribromophenol Rep.	97239	12/09/97	2.57	2.50	103	
	Terphenyl-d14	97239	12/09/97	1.46	1.67	87	
D2887	Naphthalene	97130	12/09/97	9.99	10.0	100	
	o-Terphenyl	97130	12/09/97	9.42	10.0	94	
8080	Tetrachloro-meta-xylene	R97228	01/03/98	0.0067	0.0083	81	
	Decachlorobiphenyl	97228	01/03/98	0.0075	0.0083	90	
8080	Tetrachloro-meta-xylene	R97228	01/03/98	0.0067	0.0083	81	
	Decachlorobiphenyl	97228	01/03/98	0.0075	0.0083	90	
9712103*23							
8270	2-Fluorophenol	97239	12/18/97	0 NC	2.50	0	
	Phenol-d5	97239	12/18/97	0 NC	2.50	0	
	Nitrobenzene-d5	97239	12/18/97	0 NC	1.67	0	
	2-Fluorobiphenyl	97239	12/18/97	0 NC	1.67	0	
	2,4,6-Tribromophenol Rep.	97239	12/18/97	0 NC	2.50	0	
	Terphenyl-d14	97239	12/18/97	0 NC	1.67	0	
D2887	Naphthalene	97130	12/09/97	NC	10.0	0	
	o-Terphenyl	97130	12/09/97	NC	10.0	0	
8080	Tetrachloro-meta-xylene	R97228	01/16/98	0.0053	0.0083	64	

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
	Decachlorobiphenyl	97228	01/16/98	0.0046	0.0083	55	
8080	Tetrachloro-meta-xylene	R97228	01/15/98	0 NC	0.0083	0	
	Decachlorobiphenyl	97228	01/15/98	0 NC	0.0083	0	
9712103*24							
8270	2-Fluorophenol	97239	12/18/97	0 NC	2.50	0	
	Phenol-d5	97239	12/18/97	0 NC	2.50	0	
	Nitrobenzene-d5	97239	12/18/97	0 NC	1.67	0	
	2-Fluorobiphenyl	97239	12/18/97	0 NC	1.67	0	
	2,4,6-Tribromophenol Rep.	97239	12/18/97	0 NC	2.50	0	
	Terphenyl-d14	97239	12/18/97	0 NC	1.67	0	
D2887	Naphthalene	97130	12/09/97	NC	10.0	0	
	o-Terphenyl	97130	12/09/97	NC	10.0	0	
8080	Tetrachloro-meta-xylene	R97228	01/16/98	0.0067	0.0083	81	
	Decachlorobiphenyl	97228	01/16/98	0.0056	0.0083	67	
8080	Tetrachloro-meta-xylene	R97228	01/16/98	0.0067	0.0083	81	
	Decachlorobiphenyl	97228	01/16/98	0.0056	0.0083	67	
9712103*25							
8270	2-Fluorophenol	97239	12/26/97	0 NC	2.50	0	
	Phenol-d5	97239	12/26/97	0 NC	2.50	0	
	Nitrobenzene-d5	97239	12/26/97	0 NC	1.67	0	
	2-Fluorobiphenyl	97239	12/26/97	0 NC	1.67	0	
	2,4,6-Tribromophenol Rep.	97239	12/26/97	0 NC	2.50	0	
	Terphenyl-d14	97239	12/26/97	0 NC	1.67	0	
D2887	Naphthalene	97130	12/09/97	NC	10.0	0	
	o-Terphenyl	97130	12/09/97	NC	10.0	0	
8080	Tetrachloro-meta-xylene	R97228	01/19/98	0.0066	0.0083	80	
	Decachlorobiphenyl	97228	01/19/98	0.0088	0.0083	106	
8080	Tetrachloro-meta-xylene	R97228	01/19/98	0.0066	0.0083	80	
	Decachlorobiphenyl	97228	01/19/98	0.0088	0.0083	106	
9712103*26							
8270	2-Fluorophenol	97239	12/17/97	0 NC	2.50	0	
	Phenol-d5	97239	12/17/97	0 NC	2.50	0	
	Nitrobenzene-d5	97239	12/17/97	0 NC	1.67	0	
	2-Fluorobiphenyl	97239	12/17/97	0 NC	1.67	0	
	2,4,6-Tribromophenol Rep.	97239	12/17/97	0 NC	2.50	0	
	Terphenyl-d14	97239	12/17/97	0 NC	1.67	0	
D2887	Naphthalene	97130	12/12/97	NC	10.0	0	
	o-Terphenyl	97130	12/12/97	NC	10.0	0	
8080	Tetrachloro-meta-xylene	R97228	01/16/98	0.0128	0.0083	154	
	Decachlorobiphenyl	97228	01/16/98	0.0042	0.0083	51	
8080	Tetrachloro-meta-xylene	R97228	01/17/98	0.0128	0.0083	154	
	Decachlorobiphenyl	97228	01/17/98	0.0042	0.0083	51	
9712103*40							
8260A	Toluene-d8	973135	12/17/97	55.8	50.0	112	
	4-Bromofluorobenzene Rep.	973135	12/17/97	52.8	50.0	106	
	Dibromofluoromethane Rep.	973135	12/17/97	38.6	50.0	77	

: SURROGATE RECOVERIES :
: BC ANALYTICAL : GLEN LAB : 06:39:19 17 MAR 1998 - P. 1 :

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
9712103*5*R1							
8260A	Toluene-d8	9787137	12/11/97	7.19	5.00	144	
	4-Bromofluorobenzene Rep.	9787137	12/11/97	7.00	5.00	140	
	Dibromofluoromethane Rep.	9787137	12/11/97	6.00	5.00	120	
9712103*5*S1							
8260A	Toluene-d8	9787137	12/11/97	6.63	5.00	133	
	4-Bromofluorobenzene Rep.	9787137	12/11/97	6.76	5.00	135	
	Dibromofluoromethane Rep.	9787137	12/11/97	5.47	5.00	109	
9712103*5*S2							
8260A	Toluene-d8	9787137	12/11/96	6.89	5.00	138	
	4-Bromofluorobenzene Rep.	9787137	12/11/96	7.13	5.00	143	
	Dibromofluoromethane Rep.	9787137	12/11/96	5.38	5.00	108	
9712103*5*T							
8260A	Toluene-d8	9787137	12/11/97	5.00	5.00	100	
	4-Bromofluorobenzene Rep.	9787137	12/11/97	5.00	5.00	100	
	Dibromofluoromethane Rep.	9787137	12/11/97	5.00	5.00	100	
B712450*1*MB							
8270	2-Fluorophenol	97239	12/08/97	2.24	2.50	90	
	Phenol-d5	97239	12/08/97	2.40	2.50	96	
	Nitrobenzene-d5	97239	12/08/97	1.68	1.67	101	
	2-Fluorobiphenyl	97239	12/08/97	1.83	1.67	110	
	2,4,6-Tribromophenol Rep.	97239	12/08/97	2.63	2.50	105	
	Terphenyl-d14	97239	12/08/97	1.67	1.67	100	
B8012203*1*MB							
8080	Tetrachloro-meta-xylene R	97228	01/01/98	0.0078	0.0083	94	
	Decachlorobiphenyl	97228	01/01/98	0.0075	0.0083	90	
B8012204*1*MB							
8080	Tetrachloro-meta-xylene R	97228	01/01/98	0.0078	0.0083	94	
	Decachlorobiphenyl	97228	01/01/98	0.0075	0.0083	90	
B8013554*1*MB							
D2887	Naphthalene	97130	12/15/97	6.47	10.0	65	
	o-Terphenyl	97130	12/15/97	6.75	10.0	68	
B802622*1*MB							
8260A	1,2-Dichloroethane-d4 Rep	973135	12/17/97	48.1	50.0	96	
	Dibromofluoromethane Rep.	973135	12/17/97	51.5	50.0	103	
	Toluene-d8	973135	12/17/97	52.8	50.0	106	
	4-Bromofluorobenzene Rep.	973135	12/17/97	59.2	50.0	118	
B802623*1*MB							

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
8260A	Dibromofluoromethane Rep.	9787137	12/10/97	4.44	5.00	89	
	Toluene-d8	9787137	12/10/97	5.78	5.00	116	
	4-Bromofluorobenzene Rep.	9787137	12/10/97	5.59	5.00	112	
	1,2-Dichloroethane-d4 Rep	9787137	12/10/97	5.16	5.00	103	
C712869*1*LC							
8270	2-Fluorophenol	97239	12/08/97	1.96	2.50	78	
	Phenol-d5	97239	12/08/97	2.13	2.50	85	
	Nitrobenzene-d5	97239	12/08/97	1.49	1.67	89	
	2-Fluorobiphenyl	97239	12/08/97	1.62	1.67	97	
	2,4,6-Tribromophenol Rep.	97239	12/08/97	2.58	2.50	103	
	Terphenyl-d14	97239	12/08/97	1.52	1.67	91	
C712869*1*LT							
8270	2-Fluorophenol	97239	12/08/97	2.50	2.50	100	
	Phenol-d5	97239	12/08/97	2.50	2.50	100	
	Nitrobenzene-d5	97239	12/08/97	1.67	1.67	100	
	2-Fluorobiphenyl	97239	12/08/97	1.67	1.67	100	
	2,4,6-Tribromophenol Rep.	97239	12/08/97	2.50	2.50	100	
	Terphenyl-d14	97239	12/08/97	1.67	1.67	100	
C712870*1*LC							
8270	2-Fluorophenol	97239	12/08/97	1.81	2.50	72	
	Phenol-d5	97239	12/08/97	2.00	2.50	80	
	Nitrobenzene-d5	97239	12/08/97	1.40	1.67	84	
	2-Fluorobiphenyl	97239	12/08/97	1.54	1.67	92	
	2,4,6-Tribromophenol Rep.	97239	12/08/97	2.42	2.50	97	
	Terphenyl-d14	97239	12/08/97	1.40	1.67	84	
C712870*1*LT							
8270	2-Fluorophenol	97239	12/08/97	2.50	2.50	100	
	Phenol-d5	97239	12/08/97	2.50	2.50	100	
	Nitrobenzene-d5	97239	12/08/97	1.67	1.67	100	
	2-Fluorobiphenyl	97239	12/08/97	1.67	1.67	100	
	2,4,6-Tribromophenol Rep.	97239	12/08/97	2.50	2.50	100	
	Terphenyl-d14	97239	12/08/97	1.67	1.67	100	
C8012431*1*LC							
8080	Tetrachloro-meta-xylene R	97228	01/01/98	0.0067	0.0083	81	
	Decachlorobiphenyl	97228	01/01/98	0.0074	0.0083	89	
C8012431*1*LT							
8080	Tetrachloro-meta-xylene R	97228	01/01/98	0.0083	0.0083	100	
	Decachlorobiphenyl	97228	01/01/98	0.0083	0.0083	100	
C8012432*1*LC							
8080	Tetrachloro-meta-xylene R	97228	01/01/98	0.0066	0.0083	80	
	Decachlorobiphenyl	97228	01/01/98	0.0080	0.0083	96	

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
C8012432*1*LT							
8080	Tetrachloro-meta-xylene	R97228	01/01/98	0.0083	0.0083	100	
	Decachlorobiphenyl	97228	01/01/98	0.0083	0.0083	100	
C8012433*1*LC							
8080	Tetrachloro-meta-xylene	R97228	01/07/98	0.0066	0.0083	80	
	Decachlorobiphenyl	97228	01/07/98	0.0064	0.0083	77	
C8012433*1*LT							
8080	Tetrachloro-meta-xylene	R97228	01/07/98	0.0083	0.0083	100	
	Decachlorobiphenyl	97228	01/07/98	0.0083	0.0083	100	
C8012434*1*LC							
8080	Tetrachloro-meta-xylene	R97228	01/07/98	0.0065	0.0083	78	
	Decachlorobiphenyl	97228	01/07/98	0.0062	0.0083	75	
C8012434*1*LT							
8080	Tetrachloro-meta-xylene	R97228	01/07/98	0.0083	0.0083	100	
	Decachlorobiphenyl	97228	01/07/98	0.0083	0.0083	100	
C8015110*1*LC							
D2887	Naphthalene	97130	12/15/97	10.1	10.0	101	
	o-Terphenyl	97130	12/15/97	12.5	10.0	125	
C8015110*1*LT							
D2887	Naphthalene	97130	12/15/97	10.0	10.0	100	
	o-Terphenyl	97130	12/15/97	10.0	10.0	100	
C8015111*1*LC							
D2887	Naphthalene	97130	12/15/97	7.55	10.0	76	
	o-Terphenyl	97130	12/15/97	9.37	10.0	94	
C8015111*1*LT							
D2887	Naphthalene	97130	12/15/97	10.0	10.0	100	
	o-Terphenyl	97130	12/15/97	10.0	10.0	100	
C8021208*1*LC							
8260A	1,2-Dichloroethane-d4 Rep	973135	12/17/97	53.4	50.0	107	
	Dibromofluoromethane Rep.	973135	12/17/97	47.5	50.0	95	
	Toluene-d8	973135	12/17/97	58.2	50.0	116	
	4-Bromofluorobenzene Rep.	973135	12/17/97	56.9	50.0	114	
C8021208*1*LT							
8260A	1,2-Dichloroethane-d4 Rep	973135	12/17/97	50.0	50.0	100	

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
	Dibromofluoromethane Rep.	973135	12/17/97	50.0	50.0	100	
	Toluene-d8	973135	12/17/97	50.0	50.0	100	
	4-Bromofluorobenzene Rep.	973135	12/17/97	50.0	50.0	100	
C8021209*1*LC							
8260A	1,2-Dichloroethane-d4 Rep	973135	12/17/97	52.4	50.0	105	
	Dibromofluoromethane Rep.	973135	12/17/97	53.6	50.0	107	
	Toluene-d8	973135	12/17/97	50.9	50.0	102	
	4-Bromofluorobenzene Rep.	973135	12/17/97	46.1	50.0	92	
C8021209*1*LT							
8260A	1,2-Dichloroethane-d4 Rep	973135	12/17/97	50.0	50.0	100	
	Dibromofluoromethane Rep.	973135	12/17/97	50.0	50.0	100	
	Toluene-d8	973135	12/17/97	50.0	50.0	100	
	4-Bromofluorobenzene Rep.	973135	12/17/97	50.0	50.0	100	
C8021210*1*LC							
8260A	Dibromofluoromethane Rep.	9787137	12/12/97	0.0477	0.0500	95	
	Toluene-d8	9787137	12/12/97	0.0604	0.0500	121	
	4-Bromofluorobenzene Rep.	9787137	12/12/97	0.0612	0.0500	122	
	1,2-Dichloroethane-d4 Rep	9787137	12/12/97	0.0444	0.0500	89	
C8021210*1*LT							
8260A	Dibromofluoromethane Rep.	9787137	12/12/97	0.0500	0.0500	100	
	Toluene-d8	9787137	12/12/97	0.0500	0.0500	100	
	4-Bromofluorobenzene Rep.	9787137	12/12/97	0.0500	0.0500	100	
	1,2-Dichloroethane-d4 Rep	9787137	12/12/97	0.0500	0.0500	100	

CHAIN OF CUSTODY RECORD

Ship To: VOC Analytical
Attn: Sample Control

Page 1 of 3
Project Name: Waste Disposal Inc (WDI)
Project No.: 94-256
Site Location: Santa Fe Springs, CA
Date: 12/3/97

69712103

Boring/Well No.	Sample No.	Depth (ft)	Date	Time	Sample Type: Water	Solid	Other	Comp.	Grab.	Sample Containers: Vol.	No.	Type	Pres.	8260/5035 ②	8270	8080	Metals ①	Asbtm-D-2887	Hold ③	Remarks
WDI-TS-130	1	4.10A	12/3	0800		X				40ml	1	VOA	CH_3OH	X						
		4.10B								40ml	1	VOA	"						X	① See analysis plan. Table
	↓	3.8-4.10		↓						14"	1	Tube	NA		X	X	X	X		A.3 included with Chain
	2	13'A		0825						40ml	1	VOA	CH_3OH	X						of Custody
	↓	13'B		↓						40ml	1	VOA	"						X	
↓	↓	12-13'		↓						12"	1	Tube	NA		X	X	X	X		② use "B" tube back-up
WDI-TS-131	1	3.8A		0915						40ml	1	VOA	CH_3OH	X						purposes
	↓	3.8B		↓						40ml	1	VOA	"						X	
↓	↓	2.6-3.8		↓						14"	1	Tube	NA		X	X	X	X		③ Refer to Prep Log
WDI-TS-132	1	3.10'A		1000						[illegible]	1	VOA	CH_3OH	X						Sheet for sample amount
	↓	3.10'B		↓						[illegible]	1	Vial	"						X	
	↓	2.9'-3.10		↓						[illegible]	1	Tube	NA		X	X	X	X		
	2	11'A		1025						40ml	1	VOA	CH_3OH	X						
	↓	11'B		↓						40ml	1	VOA	"						X	
↓	↓	10'-11'	↓	↓		↓				12"	1	Tube	NA		X	X	X	X		

Total Number of Samples Shipped: 15 Shipper's Signature:

	Signature	Company	Date	Time
Relinquished by:	Alexander M. Daly	TRC	12.3.97	
Received by:	SEROJ MAKDJIAN	ARIA	12/3/97	1640
Relinquished by:	SEROJ MAKDJIAN	ARIA	12-3-97	1730
Received by:	[signature]	VOC	12/3/97	0730
Relinquished by:				
Received by:				

Special Instructions / Shipment / Handling/ Storage Requirements:

Any questions contact R. Puga or R. Scott

Results to R. Puga

The material(s) listed are received for analysis and/or treatability evaluation and remain the property of the client and not Environmental Solutions, Inc. At the conclusion of the test work, all remaining material(s) will be returned to the client for eventual disposal at a licensed facility.

☒ ENVIRONMENTAL SOLUTIONS, INC.
21 Technology Drive
Irvine, California 92718

☐ ENVIRONMENTAL SOLUTIONS, INC.
1172 Pelican Bay Drive
Daytona Beach, Florida 32119

☐ ENVIRONMENTAL SOLUTIONS, INC.
1201 N. McDowell Boulevard
Petaluma, California 94954

☐ ENVIRONMENTAL SOLUTIONS, INC.
2815 Mitchell Drive, Suite 103
Walnut Creek, California 94598

Ship To: VOC Analytical
Attn: Sample Control

Page 2 of 3
Project Name: WDI
Project No.: 94-256
Site Location: Santa Fe Springs, CA
Date: 12/3/97

CHAIN OF CUSTODY RECORD

69712103

Boring/Well No.	Sample No.	Depth (ft)	Date	Time	Sample Type: Water	Solid	Other	Comp.	Grab.	Sample Containers: Vol.	No.	Type	Pres.	Analysis: 8260/5035 ③	8270	8020	Metals ①	Asphalt-D-2887	Hold ②		Remarks
WDI-TS-132	3	18'A	12/3	1040		X				40ml	1	VOA	HNO_3	X							
↓	↓	18B	↓	↓		↓				40ml	1	VOA	"						X		① See analysis plan. Table A.3 included with Chain of Custody
↓	↓	17.2-18								10"	1	Tube	NA		X	X	X	X			
WDI-TS-133	1	4.8'A		1115						40ml	1	VOA	CH_3OH	X							
↓	↓	4.8B		↓						40ml	1	VOA	"						X		
↓	↓	3.8'-4.8		↓						12"	1	Tube	NA		X	X	X	X			② Use "B" for back-up purposes
↓	2	11.2'A		1125						40ml	1	VOA	CH_3OH	X							
↓	↓	11.2'B		↓						40ml	1	VOA	"						X		
↓	↓	10.5'-11.2		↓						9"	1	Tube	NA		X	X	X	X			③ Refer to Plan Log Sheet for Sample Amount
↓	3	19.3'A		1150						40ml	1	VOA	CH_3OH	X							
↓	↓	19.5'B		↓						40ml	1	VOA	"						X		
↓	↓	19.3-20'		↓						9"	1	Tube	NA		X	X	X	X			
WDI-TS-134	1	3.8'A		1320						40ml	1	VOA	CH_3OH	X							
↓	↓	3.8'B		↓						40ml	1	VOA	"						X		
↓	↓	2.8'-3.8'	↓	↓		↓				12"	1	Tube	NA		X	X	X	X			

Total Number of Samples Shipped: 15 Shipper's Signature:

	Signature	Company	Date	Time
Relinquished by:	Alexander M. Daley	TRC	12.3.97	
Received by:	SEROJ MAKIDAN	ARIA	12-3-97	16:40
Relinquished by:	SEROJ MAKIDAN	ARIA	12/3/97	17:30
Received by:		VOC	12/3/97	1730
Relinquished by:				
Received by:				

Special Instructions / Shipment / Handling/ Storage Requirements:

See Page 1 of 3

The material(s) listed are received for analysis and/or treatability evaluation and remain the property of the client and not Environmental Solutions, Inc. At the conclusion of the test work, all remaining material(s) will be returned to the client for eventual disposal at a licensed facility.

☒ ENVIRONMENTAL SOLUTIONS, INC.
21 Technology Drive
Irvine, California 92718

☐ ENVIRONMENTAL SOLUTIONS, INC.
1172 Pelican Bay Drive
Daytona Beach, Florida 32119

☐ ENVIRONMENTAL SOLUTIONS, INC.
1201 N. McDowell Boulevard
Petaluma, California 94954

☐ ENVIRONMENTAL SOLUTIONS, INC.
2815 Mitchell Drive, Suite 103
Walnut Creek, California 94598

Ship To: VOC Analytical
Attn: Sample Control

Page 3 of 3
Project Name: WD1
Project No.: 94-256
Site Location: Santa Fe Springs, CA
Date: 12 / 3 / 97

CHAIN OF CUSTODY RECORD

69712103

Boring/Well No.	Sample No.	Depth (ft)	Date	Time	Sample Type: Water	Solid	Other	Comp.	Grab.	Sample Containers: Vol.	No.	Type	Pres.	Analysis: 8260/5035 ①	8270	8080	Metals	ASTM-D-2887	HOLD ③	Remarks
WD1-TS-134	2	11.3A	12/3	1400		X				40ml	1	VOA	CA+ice	X						
↓	↓	11.3B	↓	↓		↓				40ml	1	VOA	"						X	
↓	↓	11.3'-12	↓	↓		↓				9"	1	Tube	NA		X	X	X	X		
WD1-TS-135	1	2.4'A	↓	1455		↓				40ml	1	VOA	CH_3OH	X						
↓	↓	2.4'B	↓	↓		↓				40ml	1	VOA	"						X	
↓	↓	24-3.6'	↓	↓		↓				14"	1	Tube	NA		X	X	X	X		
↓	2	13'A	↓	1520		↓				40ml	1	VOA	CH_3OH	X						
↓	↓	13'B	↓	↓		↓				40ml	1	VOA	"						X	
↓	↓	12'-13'	↓	↓		↓				12"	1	Tube	NA			X	X	X		
TRIP BLANK	1	—	↓	—		↓				40ml	2	VOA	HCl	X						
MS-1	1	—	↓	1025		↓				40ml	1	VOA	—	X						
MSD-1	1	—	↓	1025		↓				40ml	1	VOA	—	X						
LCS-1	1	—	↓	1025		↓				40ml	1	VOA	—	X						
LCSD-1	1	—	↓	1025		↓				40ml	1	VOA	—	X						

① See analysis plan. Table A.3 included with Chain of Custody
② Use "B" for back-up purposes.
③ Refer to Purge Log Sheet for sample amount

Total Number of Samples Shipped: 15 Shipper's Signature:

	Signature	Company	Date	Time
Relinquished by:	Alexander M. Staley	TRC	12.3.97	
Received by:	SEROJ MAKSIAN	ARIA	12.3.97	16:40
Relinquished by:	SEROJ MAKSIAN	ARIA	12-3-97	17:30
Received by:	[illegible]	VOC	12/3/97	1730
Relinquished by:				
Received by:				

Special Instructions / Shipment / Handling/ Storage Requirements:

See Page 1 of 3

The material(s) listed are received for analysis and/or treatability evaluation and remain the property of the client and not Environmental Solutions, Inc. At the conclusion of the test work, all remaining material(s) will be returned to the client for eventual disposal at a licensed facility.

☒ ENVIRONMENTAL SOLUTIONS, INC.
21 Technology Drive
Irvine, California 92718

☐ ENVIRONMENTAL SOLUTIONS, INC.
1172 Pelican Bay Drive
Daytona Beach, Florida 32119

☐ ENVIRONMENTAL SOLUTIONS, INC.
1201 N. McDowell Boulevard
Petaluma, California 94954

☐ ENVIRONMENTAL SOLUTIONS, INC.
2815 Mitchell Drive, Suite 103
Walnut Creek, California 94598

LOG NO: G97-12-103

Received: 03 DEC 97
Mailed : 17 MAR 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-14	WDI-TS-130-3.8-4.10	03 DEC 97
12-103-15	WDI-TS-130-12-13	03 DEC 97
12-103-16	WDI-TS-131-2.6-3.0	03 DEC 97
12-103-17	WDI-TS-132-2.9-3.10	03 DEC 97
12-103-18	WDI-TS-132-10-11	03 DEC 97

PARAMETER	12-103-14	12-103-15	12-103-16	12-103-17	12-103-18
Pesticides (8080)					
Date Analyzed	01/14/98	01/14/98	01/14/98	01/16/98	01/16/98
Date Extracted	12/10/97	12/10/97	12/10/97	12/10/97	12/10/97
Dilution Factor, Times	1	5	1	10	25
Aldrin, mg/kg	<0.002	<0.01	<0.002	<0.02	<0.05
Chlordane, mg/kg	<0.03	<0.2	<0.03	<0.3	<0.8
p,p'-DDD, mg/kg	0.0045	<0.005	<0.001	<0.01	<0.03
p,p'-DDE, mg/kg	0.082	0.019	<0.001	<0.01	<0.03
p,p'-DDT, mg/kg	<0.001	<0.005	<0.001	<0.01	<0.03
Dieldrin, mg/kg	<0.001	<0.005	<0.001	<0.01	<0.03
Endosulfan I, mg/kg	<0.002	<0.01	<0.002	<0.02	<0.05
Endosulfan II, mg/kg	<0.001	<0.005	<0.001	<0.01	<0.03
Endosulfan sulfate, mg/kg	<0.002	<0.01	<0.002	<0.02	<0.05
Endrin, mg/kg	<0.001	<0.005	<0.001	<0.01	<0.03
Endrin aldehyde, mg/kg	<0.001	<0.005	<0.001	<0.01	<0.03
Endrin Ketone, mg/kg	<0.001	<0.005	<0.001	<0.01	<0.03
Heptachlor epoxide, mg/kg	<0.003	<0.02	<0.003	<0.03	<0.08
Heptachlor, mg/kg	<0.001	<0.005	<0.001	<0.01	<0.03
Methoxychlor, mg/kg	<0.001	<0.005	<0.001	0.032	<0.03
Toxaphene, mg/kg	<0.1	<0.5	<0.1	<1	<3
BHC, alpha isomer, mg/kg	<0.002	<0.01	<0.002	<0.02	<0.05
BHC, beta isomer, mg/kg	<0.002	<0.01	<0.002	<0.02	<0.05
BHC, delta isomer, mg/kg	<0.001	<0.005	<0.001	<0.01	<0.03

LOG NO: G97-12-103

Received: 03 DEC 97
Mailed : 17 MAR 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-14	WDI-TS-130-3.8-4.10	03 DEC 97
12-103-15	WDI-TS-130-12-13	03 DEC 97
12-103-16	WDI-TS-131-2.6-3.0	03 DEC 97
12-103-17	WDI-TS-132-2.9-3.10	03 DEC 97
12-103-18	WDI-TS-132-10-11	03 DEC 97

PARAMETER	12-103-14	12-103-15	12-103-16	12-103-17	12-103-18
BHC, gamma isomer (Lindane), mg/kg	<0.0007	<0.004	<0.0007	<0.007	<0.02
Surrogates **					
Decachlorobiphenyl Reported, mg/kg	0.0053	0.0096	0.0080	0.0086	0.0063
Decachlorobiphenyl Theoretical, mg/kg	0.0083	0.0083	0.0083	0.0083	0.0083
Tetrachloro-meta-xylene Rpt., mg/kg	0.0059	0.0156	0.0066	0.0036	0.0096
Tetrachloro-meta-xylene Theor., mg/kg	0.0083	0.0083	0.0083	0.0083	0.0083

LOG NO: G97-12-103

Received: 03 DEC 97
Mailed : 17 MAR 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-14	WDI-TS-130-3.8-4.10	03 DEC 97
12-103-15	WDI-TS-130-12-13	03 DEC 97
12-103-16	WDI-TS-131-2.6-3.0	03 DEC 97
12-103-17	WDI-TS-132-2.9-3.10	03 DEC 97
12-103-18	WDI-TS-132-10-11	03 DEC 97

PARAMETER	12-103-14	12-103-15	12-103-16	12-103-17	12-103-18
PCBs (8080)					
Date Analyzed	01/08/98	01/09/98	01/14/98	01/15/98	01/14/98
Date Extracted	12/10/97	12/10/97	12/10/97	12/10/97	12/10/97
Dilution Factor, Times	1	2	1	10	10
Aroclor 1016, mg/kg	<0.03	<0.06	<0.03	<0.3	<0.3
Aroclor 1221, mg/kg	<0.03	<0.06	<0.03	<0.3	<0.3
Aroclor 1232, mg/kg	<0.03	<0.06	<0.03	<0.3	<0.3
Aroclor 1242, mg/kg	<0.03	<0.06	<0.03	<0.3	<0.3
Aroclor 1248, mg/kg	<0.03	<0.06	<0.03	<0.3	<0.3
Aroclor 1254, mg/kg	<0.03	<0.06	<0.03	1.8	<0.3
Aroclor 1260, mg/kg	<0.03	<0.06	<0.03	<0.3	<0.3
Surrogates **					
Decachlorobiphenyl Reported, mg/kg	0.0068	0.0096	0.0080	0 NC	0.0071
Decachlorobiphenyl Theoretical, mg/kg	0.0083	0.0083	0.0083	0.0083	0.0083
Tetrachloro-meta-xylene Rpt., mg/kg	0.0053	0.0124	0.0066	0.0073	0.0123
Tetrachloro-meta-xylene Theor., mg/kg	0.0083	0.0083	0.0083	0.0083	0.0083
Arsenic (7060), mg/kg	13	3.9	5.2	23	21
Antimony (6010), mg/kg	<10	<10	<10	<10	<10
Barium (6010), mg/kg	1300	470	150	1600	1300

LOG NO: G97-12-103

Received: 03 DEC 97
Mailed : 17 MAR 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-19	WDI-TS-132-17.2-18	03 DEC 97
12-103-20	WDI-TS-133-3.8-4.8	03 DEC 97
12-103-21	WDI-TS-133-10.5-11.2	03 DEC 97
12-103-22	WDI-TS-133-19.3-20	03 DEC 97
12-103-23	WDI-TS-134-2.8-3.8	03 DEC 97

PARAMETER	12-103-19	12-103-20	12-103-21	12-103-22	12-103-23
Pesticides (8080)					
Date Analyzed	01/14/98	01/14/98	01/19/98	01/03/98	01/16/98
Date Extracted	12/10/97	12/10/97	12/10/97	12/10/97	12/10/97
Dilution Factor, Times	1	1	20	1	20
Aldrin, mg/kg	<0.002	0.0020	<0.04	<0.002	<0.04
Chlordane, mg/kg	<0.03	<0.03	<0.6	<0.03	<0.6
p,p'-DDD, mg/kg	<0.001	<0.001	<0.02	<0.001	<0.02
p,p'-DDE, mg/kg	<0.001	0.0026	0.020	<0.001	<0.02
p,p'-DDT, mg/kg	<0.001	<0.001	<0.02	<0.001	<0.02
Dieldrin, mg/kg	<0.001	<0.001	<0.02	<0.001	<0.02
Endosulfan I, mg/kg	<0.002	<0.002	<0.04	<0.002	<0.04
Endosulfan II, mg/kg	<0.001	<0.001	<0.02	<0.001	<0.02
Endosulfan sulfate, mg/kg	<0.002	<0.002	<0.04	<0.002	<0.04
Endrin, mg/kg	<0.001	<0.001	<0.02	<0.001	<0.02
Endrin aldehyde, mg/kg	<0.001	<0.001	<0.02	<0.001	<0.02
Endrin Ketone, mg/kg	<0.001	<0.001	<0.02	<0.001	<0.02
Heptachlor epoxide, mg/kg	<0.003	<0.003	<0.06	<0.003	<0.06
Heptachlor, mg/kg	<0.001	<0.001	<0.02	<0.001	<0.02
Methoxychlor, mg/kg	<0.001	<0.001	<0.02	<0.001	<0.02
Toxaphene, mg/kg	<0.1	<0.1	<2	<0.1	<2
BHC, alpha isomer, mg/kg	<0.002	<0.002	<0.04	<0.002	<0.04
BHC, beta isomer, mg/kg	<0.002	<0.002	<0.04	<0.002	<0.04
BHC, delta isomer, mg/kg	<0.001	<0.001	<0.02	<0.001	<0.02

LOG NO: G97-12-103

Received: 03 DEC 97
Mailed : 17 MAR 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-19	WDI-TS-132-17.2-18	03 DEC 97
12-103-20	WDI-TS-133-3.8-4.8	03 DEC 97
12-103-21	WDI-TS-133-10.5-11.2	03 DEC 97
12-103-22	WDI-TS-133-19.3-20	03 DEC 97
12-103-23	WDI-TS-134-2.8-3.8	03 DEC 97

PARAMETER	12-103-19	12-103-20	12-103-21	12-103-22	12-103-23
BHC, gamma isomer (Lindane), mg/kg	<0.0007	<0.0007	<0.02	<0.0007	<0.02
Surrogates **					
Decachlorobiphenyl Reported, mg/kg	0.0074	0.0067	0 NC	0.0075	0.0046
Decachlorobiphenyl Theoretical, mg/kg	0.0083	0.0083	0.0083	0.0083	0.0083
Tetrachloro-meta-xylene Rpt., mg/kg	0.0063	0.0044	0.0047	0.0067	0.0053
Tetrachloro-meta-xylene Theor., mg/kg	0.0083	0.0083	0.0083	0.0083	0.0083

LOG NO: G97-12-103

Received: 03 DEC 97
Mailed : 17 MAR 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-19	WDI-TS-132-17.2-18	03 DEC 97
12-103-20	WDI-TS-133-3.8-4.8	03 DEC 97
12-103-21	WDI-TS-133-10.5-11.2	03 DEC 97
12-103-22	WDI-TS-133-19.3-20	03 DEC 97
12-103-23	WDI-TS-134-2.8-3.8	03 DEC 97

PARAMETER	12-103-19	12-103-20	12-103-21	12-103-22	12-103-23
PCBs (8080)					
Date Analyzed	01/08/98	01/14/98	01/15/98	01/03/98	01/15/98
Date Extracted	12/10/97	12/10/97	12/10/97	12/10/97	12/10/97
Dilution Factor, Times	1	1	10	1	5
Aroclor 1016, mg/kg	<0.03	<0.03	<0.3	<0.03	<0.2
Aroclor 1221, mg/kg	<0.03	<0.03	<0.3	<0.03	<0.2
Aroclor 1232, mg/kg	<0.03	<0.03	<0.3	<0.03	<0.2
Aroclor 1242, mg/kg	<0.03	<0.03	<0.3	<0.03	<0.2
Aroclor 1248, mg/kg	<0.03	<0.03	<0.3	<0.03	<0.2
Aroclor 1254, mg/kg	<0.03	<0.03	<0.3	<0.03	<0.2
Aroclor 1260, mg/kg	<0.03	<0.03	<0.3	<0.03	<0.2
Surrogates **					
Decachlorobiphenyl Reported, mg/kg	0.0170	0.0067	0 NC	0.0075	0 NC
Decachlorobiphenyl Theoretical, mg/kg	0.0083	0.0083	0.0083	0.0083	0.0083
Tetrachloro-meta-xylene Rpt., mg/kg	0.0071	0.0044	0.0102	0.0067	0 NC
Tetrachloro-meta-xylene Theor., mg/kg	0.0083	0.0083	0.0083	0.0083	0.0083
Arsenic (7060), mg/kg	8.8	4.9	4.5	6.9	1.8
Antimony (6010), mg/kg	<10	<10	<10	<10	<10
Barium (6010), mg/kg	160	410	2600	82	140

LOG NO: G97-12-103

Received: 03 DEC 97
Mailed : 17 MAR 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-24	WDI-TS-134-11.3-12	03 DEC 97
12-103-25	WDI-TS-135-2.4-3.6	03 DEC 97
12-103-26	WDI-TS-135-12-13	03 DEC 97

PARAMETER	12-103-24	12-103-25	12-103-26
Pesticides (8080)			
Date Analyzed	01/16/98	01/19/98	01/16/98
Date Extracted	12/10/97	12/10/97	12/10/97
Dilution Factor, Times	20	10	20
Aldrin, mg/kg	<0.04	<0.02	<0.04
Chlordane, mg/kg	<0.6	<0.3	<0.6
p,p'-DDD, mg/kg	<0.02	<0.01	<0.02
p,p'-DDE, mg/kg	<0.02	<0.01	<0.02
p,p'-DDT, mg/kg	<0.02	<0.01	<0.02
Dieldrin, mg/kg	<0.02	0.023	<0.02
Endosulfan I, mg/kg	<0.04	<0.02	<0.04
Endosulfan II, mg/kg	<0.02	<0.01	<0.02
Endosulfan sulfate, mg/kg	<0.04	<0.02	<0.04
Endrin, mg/kg	<0.02	<0.01	<0.02
Endrin aldehyde, mg/kg	<0.02	<0.01	<0.02
Endrin Ketone, mg/kg	<0.02	<0.01	<0.02
Heptachlor epoxide, mg/kg	<0.06	<0.03	<0.06
Heptachlor, mg/kg	<0.02	<0.01	<0.02
Methoxychlor, mg/kg	<0.02	<0.01	<0.02
Toxaphene, mg/kg	<2	<1	<2
BHC, alpha isomer, mg/kg	<0.04	<0.02	<0.04
BHC, beta isomer, mg/kg	<0.04	<0.02	<0.04
BHC, delta isomer, mg/kg	<0.02	<0.01	<0.02
BHC, gamma isomer (Lindane), mg/kg	<0.02	<0.007	<0.02
Surrogates **			

LOG NO: G97-12-103

Received: 03 DEC 97
Mailed : 17 MAR 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-103-24	WDI-TS-134-11.3-12	03 DEC 97
12-103-25	WDI-TS-135-2.4-3.6	03 DEC 97
12-103-26	WDI-TS-135-12-13	03 DEC 97

PARAMETER	12-103-24	12-103-25	12-103-26
Decachlorobiphenyl Reported, mg/kg	0.0056	0.0088	0.0042
Decachlorobiphenyl Theoretical, mg/kg	0.0083	0.0083	0.0083
Tetrachloro-meta-xylene Rpt., mg/kg	0.0067	0.0066	0.0128
Tetrachloro-meta-xylene Theor., mg/kg	0.0083	0.0083	0.0083
PCBs (8080)			
Date Analyzed	01/16/98	01/19/98	01/17/98
Date Extracted	12/10/97	12/10/97	12/10/97
Dilution Factor, Times	20	10	20
Aroclor 1016, mg/kg	<0.6	<0.3	<0.6
Aroclor 1221, mg/kg	<0.6	<0.3	<0.6
Aroclor 1232, mg/kg	<0.6	<0.3	<0.6
Aroclor 1242, mg/kg	<0.6	<0.3	<0.6
Aroclor 1248, mg/kg	<0.6	<0.3	<0.6
Aroclor 1254, mg/kg	<0.6	<0.3	<0.6
Aroclor 1260, mg/kg	<0.6	<0.3	<0.6
Surrogates **			
Decachlorobiphenyl Reported, mg/kg	0.0056	0.0088	0.0042
Decachlorobiphenyl Theoretical, mg/kg	0.0083	0.0083	0.0083
Tetrachloro-meta-xylene Rpt., mg/kg	0.0067	0.0066	0.0128
Tetrachloro-meta-xylene Theor., mg/kg	0.0083	0.0083	0.0083
Arsenic (7060), mg/kg	5.4	5.0	40
Antimony (6010), mg/kg	<10	<10	<10
Barium (6010), mg/kg	1100	390	1300
Beryllium (6010), mg/kg	0.31	0.38	0.23
Cadmium (6010), mg/kg	<1	<1	5.1

LOG NO: G97-12-146

Received: 04 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-146-11	WDI-TS-136-2.6-3.3	04 DEC 97
12-146-12	WDI-TS-136-12-13	04 DEC 97
12-146-13	WDI-TS-136-18-19	04 DEC 97
12-146-14	WDI-TS-137-3.15-4	04 DEC 97
12-146-15	WDI-TS-137-10-11	04 DEC 97

PARAMETER	12-146-11	12-146-12	12-146-13	12-146-14	12-146-15
Pesticides (8080)					
Date Analyzed	01/20/98	01/20/98	01/20/98	01/20/98	01/20/98
Date Extracted	12/12/97	12/12/97	12/12/97	12/12/97	12/12/97
Dilution Factor, Times	50	10	1	5	5
Aldrin, mg/kg	<0.1	<0.02	<0.002	<0.01	<0.01
Chlordane, mg/kg	<2	<0.3	<0.03	<0.2	<0.2
p,p'-DDD, mg/kg	<0.05	<0.01	<0.001	<0.005	<0.005
p,p'-DDE, mg/kg	<0.05	<0.01	<0.001	0.0051	<0.005
p,p'-DDT, mg/kg	<0.05	<0.01	<0.001	<0.005	<0.005
Dieldrin, mg/kg	<0.05	<0.01	<0.001	<0.005	<0.005
Endosulfan I, mg/kg	<0.1	<0.02	<0.002	<0.01	<0.01
Endosulfan II, mg/kg	<0.05	<0.01	<0.001	<0.005	<0.005
Endosulfan sulfate, mg/kg	<0.1	<0.02	<0.002	<0.01	<0.01
Endrin, mg/kg	<0.05	<0.01	<0.001	<0.005	<0.005
Endrin aldehyde, mg/kg	<0.05	<0.01	<0.001	<0.005	<0.005
Endrin Ketone, mg/kg	<0.05	<0.01	<0.001	<0.005	<0.005
Heptachlor epoxide, mg/kg	<0.2	<0.03	<0.003	<0.02	<0.02
Heptachlor, mg/kg	<0.05	<0.01	<0.001	<0.005	<0.005
Methoxychlor, mg/kg	<0.05	<0.01	<0.001	<0.005	<0.005
Toxaphene, mg/kg	<5	<1	<0.1	<0.5	<0.5
BHC, alpha isomer, mg/kg	<0.1	<0.02	<0.002	<0.01	<0.01
BHC, beta isomer, mg/kg	<0.1	<0.02	<0.002	<0.01	<0.01
BHC, delta isomer, mg/kg	<0.05	<0.01	<0.001	<0.005	<0.005

LOG NO: G97-12-146

Received: 04 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-146-11	WDI-TS-136-2.6-3.3	04 DEC 97
12-146-12	WDI-TS-136-12-13	04 DEC 97
12-146-13	WDI-TS-136-18-19	04 DEC 97
12-146-14	WDI-TS-137-3.15-4	04 DEC 97
12-146-15	WDI-TS-137-10-11	04 DEC 97

PARAMETER	12-146-11	12-146-12	12-146-13	12-146-14	12-146-15
BHC, gamma isomer (Lindane), mg/kg	<0.04	<0.007	<0.0007	<0.004	<0.004
Surrogates **					
Decachlorobiphenyl Reported, mg/kg	0 NC	0 NC	0.0063	0 NC	0 NC
Decachlorobiphenyl Theoretical, mg/kg	0.0083	0.0083	0.0083	0.0083	0.0083
Tetrachloro-meta-xylene Rpt., mg/kg	0 NC	0.0055	0.0055	0.0084	0.0132
Tetrachloro-meta-xylene Theor., mg/kg	0.0083	0.0083	0.0083	0.0083	0.0083

LOG NO: G97-12-146

Received: 04 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-146-11	WDI-TS-136-2.6-3.3	04 DEC 97
12-146-12	WDI-TS-136-12-13	04 DEC 97
12-146-13	WDI-TS-136-18-19	04 DEC 97
12-146-14	WDI-TS-137-3.15-4	04 DEC 97
12-146-15	WDI-TS-137-10-11	04 DEC 97

PARAMETER	12-146-11	12-146-12	12-146-13	12-146-14	12-146-15
PCBs (8080)					
Date Analyzed	01/20/98	01/20/98	01/20/98	01/20/98	01/20/98
Date Extracted	12/12/97	12/12/97	12/12/97	12/12/97	12/12/97
Dilution Factor, Times	50	10	1	5	5
Aroclor 1016, mg/kg	<2	<0.3	<0.03	<0.2	<0.2
Aroclor 1221, mg/kg	<2	<0.3	<0.03	<0.2	<0.2
Aroclor 1232, mg/kg	<2	<0.3	<0.03	<0.2	<0.2
Aroclor 1242, mg/kg	<2	<0.3	<0.03	<0.2	<0.2
Aroclor 1248, mg/kg	<2	<0.3	<0.03	<0.2	<0.2
Aroclor 1254, mg/kg	<2	<0.3	<0.03	<0.2	<0.2
Aroclor 1260, mg/kg	<2	<0.3	<0.03	<0.2	<0.2
Surrogates **					
Decachlorobiphenyl Reported, mg/kg	0 NC	0 NC	0.0063	0 NC	0 NC
Decachlorobiphenyl Theoretical, mg/kg	0.0083	0.0083	0.0083	0.0083	0.0083
Tetrachloro-meta-xylene Rpt., mg/kg	0 NC	0.0055	0.0055	0.0084	0.0132
Tetrachloro-meta-xylene Theor., mg/kg	0.0083	0.0083	0.0083	0.0083	0.0083
Arsenic (7060), mg/kg	3.0	1.5	12	3.8	1.4
Antimony (6010), mg/kg	<10	<10	<10	<10	<10
Barium (6010), mg/kg	130	310	130	770	190
Beryllium (6010), mg/kg	0.34	0.30	0.45	0.33	0.28

LOG NO: G97-12-146

Received: 04 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-146-16	WDI-TS-137-32.2-33	04 DEC 97
12-146-17	WDI-TS-138-2.9-3.9	04 DEC 97
12-146-18	WDI-TS-138-12.10-13.4	04 DEC 97
12-146-19	WDI-TS-138-24.6-25.1	04 DEC 97
12-146-20	WDI-TS-138	04 DEC 97

PARAMETER	12-146-16	12-146-17	12-146-18	12-146-19	12-146-20
Pesticides (8080)					
Date Analyzed	01/20/98	01/20/98	01/20/98	01/20/98	01/20/98
Date Extracted	12/12/97	12/12/97	12/12/97	12/12/97	12/12/97
Dilution Factor, Times	5	5	10	1	10
Aldrin, mg/kg	<0.01	<0.01	<0.02	<0.002	<0.02
Chlordane, mg/kg	<0.2	<0.2	<0.3	<0.03	<0.3
p,p'-DDD, mg/kg	<0.005	<0.005	<0.01	<0.001	<0.01
p,p'-DDE, mg/kg	<0.005	<0.005	<0.01	<0.001	<0.01
p,p'-DDT, mg/kg	<0.005	<0.005	<0.01	<0.001	<0.01
Dieldrin, mg/kg	<0.005	<0.005	<0.01	<0.001	<0.01
Endosulfan I, mg/kg	<0.01	<0.01	<0.02	<0.002	<0.02
Endosulfan II, mg/kg	<0.005	<0.005	<0.01	<0.001	<0.01
Endosulfan sulfate, mg/kg	<0.01	<0.01	<0.02	<0.002	<0.02
Endrin, mg/kg	<0.005	<0.005	<0.01	<0.001	<0.01
Endrin aldehyde, mg/kg	<0.005	<0.005	<0.01	<0.001	<0.01
Endrin Ketone, mg/kg	<0.005	<0.005	<0.01	<0.001	<0.01
Heptachlor epoxide, mg/kg	<0.02	<0.02	<0.03	<0.003	<0.03
Heptachlor, mg/kg	<0.005	<0.005	<0.01	<0.001	<0.01
Methoxychlor, mg/kg	<0.005	<0.005	<0.01	<0.001	<0.01
Toxaphene, mg/kg	<0.5	<0.5	<1	<0.1	<1
BHC, alpha isomer, mg/kg	<0.01	<0.01	<0.02	<0.002	<0.02
BHC, beta isomer, mg/kg	<0.01	<0.01	<0.02	<0.002	<0.02
BHC, delta isomer, mg/kg	<0.005	<0.005	<0.01	<0.001	<0.01

LOG NO: G97-12-146

Received: 04 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-146-16	WDI-TS-137-32.2-33	04 DEC 97
12-146-17	WDI-TS-138-2.9-3.9	04 DEC 97
12-146-18	WDI-TS-138-12.10-13.4	04 DEC 97
12-146-19	WDI-TS-138-24.6-25.1	04 DEC 97
12-146-20	WDI-TS-138	04 DEC 97

PARAMETER	12-146-16	12-146-17	12-146-18	12-146-19	12-146-20
BHC, gamma isomer (Lindane), mg/kg	<0.004	<0.004	<0.007	<0.0007	<0.007
Surrogates **					
Decachlorobiphenyl Reported, mg/kg	0 NC	0 NC	0 NC	0 NC	0 NC
Decachlorobiphenyl Theoretical, mg/kg	0.0083	0.0083	0.0083	0.0083	0.0083
Tetrachloro-meta-xylene Rpt., mg/kg	0.0068	0.0082	0.0100	0.0092	0.0137
Tetrachloro-meta-xylene Theor., mg/kg	0.0083	0.0083	0.0083	0.0083	0.0083

LOG NO: G97-12-146

Received: 04 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-146-16	WDI-TS-137-32.2-33	04 DEC 97
12-146-17	WDI-TS-138-2.9-3.9	04 DEC 97
12-146-18	WDI-TS-138-12.10-13.4	04 DEC 97
12-146-19	WDI-TS-138-24.6-25.1	04 DEC 97
12-146-20	WDI-TS-138	04 DEC 97

PARAMETER	12-146-16	12-146-17	12-146-18	12-146-19	12-146-20
PCBs (8080)					
Date Analyzed	01/20/98	01/20/98	01/20/98	01/20/98	01/20/98
Date Extracted	12/12/97	12/12/97	12/12/97	12/12/97	12/12/97
Dilution Factor, Times	5	1	10	1	10
Aroclor 1016, mg/kg	<0.2	<0.03	<0.3	<0.03	<0.3
Aroclor 1221, mg/kg	<0.2	<0.03	<0.3	<0.03	<0.3
Aroclor 1232, mg/kg	<0.2	<0.03	<0.3	<0.03	<0.3
Aroclor 1242, mg/kg	<0.2	<0.03	<0.3	<0.03	<0.3
Aroclor 1248, mg/kg	<0.2	<0.03	<0.3	<0.03	<0.3
Aroclor 1254, mg/kg	<0.2	<0.03	<0.3	<0.03	<0.3
Aroclor 1260, mg/kg	<0.2	<0.03	<0.3	<0.03	<0.3
Surrogates **					
Decachlorobiphenyl Reported, mg/kg	0 NC	0 NC	0 NC	0 NC	0 NC
Decachlorobiphenyl Theoretical, mg/kg	0.0083	0.0083	0.0083	0.0083	0.0083
Tetrachloro-meta-xylene Rpt., mg/kg	0.0068	0.0082	0.0100	0.0092	0.0137
Tetrachloro-meta-xylene Theor., mg/kg	0.0083	0.0083	0.0083	0.0083	0.0083
Arsenic (7060), mg/kg	2.3	0.55	3.8	3.1	3.7
Antimony (6010), mg/kg	<10	<10	<10	<10	<10
Barium (6010), mg/kg	36	610	350	53	390
Beryllium (6010), mg/kg	<0.1	0.42	0.28	0.10	0.30

LOG NO: G97-12-304

Received: 10 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-304-7	WDI-TS-141-15.6-16	10 DEC 97
12-304-10	WDI-TS-141-19-20	10 DEC 97
12-304-13	WDI-TS-142-4-5	10 DEC 97
12-304-19	WDI-TS-142-Z	10 DEC 97
12-304-22	WDI-TS-142-17-18	10 DEC 97

PARAMETER	12-304-7	12-304-10	12-304-13	12-304-19	12-304-22
Pesticides (8080)					
Date Analyzed	01/22/98	01/22/98	01/22/98	01/23/98	01/22/98
Date Extracted	12/16/97	12/16/97	12/16/97	12/16/97	12/16/97
Dilution Factor, Times	5	5	5	5	1
Aldrin, mg/kg	<0.01	<0.01	<0.01	<0.01	<0.002
Chlordane, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.03
p,p'-DDD, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.001
p,p'-DDE, mg/kg	0.018	<0.005	0.10	<0.005	<0.001
p,p'-DDT, mg/kg	<0.005	<0.005	0.37	<0.005	<0.001
Dieldrin, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.001
Endosulfan I, mg/kg	<0.01	<0.01	<0.01	<0.01	<0.002
Endosulfan II, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.001
Endosulfan sulfate, mg/kg	<0.01	<0.01	<0.01	<0.01	<0.002
Endrin, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.001
Endrin aldehyde, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.001
Endrin Ketone, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.001
Heptachlor epoxide, mg/kg	<0.02	<0.02	<0.02	<0.02	<0.003
Heptachlor, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.001
Methoxychlor, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.001
Toxaphene, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.1
BHC, alpha isomer, mg/kg	<0.01	<0.01	<0.01	<0.01	<0.002
BHC, beta isomer, mg/kg	<0.01	<0.01	<0.01	<0.01	<0.002
BHC, delta isomer, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.001

LOG NO: G97-12-304

Received: 10 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-304-7	WDI-TS-141-15.6-16	10 DEC 97
12-304-10	WDI-1S-141-19-20	10 DEC 97
12-304-13	WDI-TS-142-4-5	10 DEC 97
12-304-19	WDI-TS-142-Z	10 DEC 97
12-304-22	WDI-TS-142-17-18	10 DEC 97

PARAMETER	12-304-7	12-304-10	12-304-13	12-304-19	12-304-22
BHC, gamma isomer (Lindane), mg/kg	<0.004	<0.004	<0.004	<0.004	<0.0007
Surrogates **					
Decachlorobiphenyl Reported, mg/kg	0.0099	0.0108	0.0119	0.0110	0.0082
Decachlorobiphenyl Theoretical, mg/kg	0.0083	0.0083	0.0083	0.0083	0.0083
Tetrachloro-meta-xylene Rpt., mg/kg	0.0057	0.0065	0.0065	0.0073	0.0071
Tetrachloro-meta-xylene Theor., mg/kg	0.0083	0.0083	0.0083	0.0083	0.0083

LOG NO: G97-12-304

Received: 10 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-304-7	WDI-TS-141-15.6-16	10 DEC 97
12-304-10	WDI-TS-141-19-20	10 DEC 97
12-304-13	WDI-TS-142-4-5	10 DEC 97
12-304-19	WDI-TS-142-Z	10 DEC 97
12-304-22	WDI-TS-142-17-18	10 DEC 97

PARAMETER	12-304-7	12-304-10	12-304-13	12-304-19	12-304-22
PCBs (8080)					
Date Analyzed	01/22/98	01/22/98	01/22/98	01/23/98	01/22/98
Date Extracted	12/16/97	12/16/97	12/16/97	12/16/97	12/16/97
Dilution Factor, Times	5	5	5	5	1
Aroclor 1016, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.03
Aroclor 1221, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.03
Aroclor 1232, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.03
Aroclor 1242, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.03
Aroclor 1248, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.03
Aroclor 1254, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.03
Aroclor 1260, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.03
Surrogates **					
Decachlorobiphenyl Reported, mg/kg	0.0099	0.0108	0.0119	0.0110	0.0082
Decachlorobiphenyl Theoretical, mg/kg	0.0083	0.0083	0.0083	0.0083	0.0083
Tetrachloro-meta-xylene Rpt., mg/kg	0.0057	0.0065	0.0065	0.0073	0.0071
Tetrachloro-meta-xylene Theor., mg/kg	0.0083	0.0083	0.0083	0.0083	0.0083
Arsenic (7060), mg/kg	8.2	8.4	3.5	2.8	1.4
Antimony (6010), mg/kg	<10	<10	<10	<10	<10
Barium (6010), mg/kg	420	140	400	190	140

LOG NO: G97-12-304

Received: 10 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-304-16	WDI-TS-142-12.6-13	10 DEC 97
12-304-3	WDI-TS-141-2-3	10 DEC 97

PARAMETER	12-304-16	12-304-3
Pesticides (8080)		
Date Analyzed	01/22/98	01/22/98
Date Extracted	12/16/97	12/16/97
Dilution Factor, Times	5	5
Aldrin, mg/kg	<0.01	<0.01
Chlordane, mg/kg	<0.2	<0.2
p,p'-DDD, mg/kg	<0.005	<0.005
p,p'-DDE, mg/kg	<0.005	<0.005
p,p'-DDT, mg/kg	<0.005	<0.005
Dieldrin, mg/kg	<0.005	<0.005
Endosulfan I, mg/kg	<0.01	<0.01
Endosulfan II, mg/kg	<0.005	<0.005
Endosulfan sulfate, mg/kg	<0.01	<0.01
Endrin, mg/kg	<0.005	<0.005
Endrin aldehyde, mg/kg	<0.005	<0.005
Endrin Ketone, mg/kg	<0.005	<0.005
Heptachlor epoxide, mg/kg	<0.02	<0.02
Heptachlor, mg/kg	<0.005	<0.005
Methoxychlor, mg/kg	<0.005	<0.005
Toxaphene, mg/kg	<0.5	<0.5
BHC, alpha isomer, mg/kg	<0.01	<0.01
BHC, beta isomer, mg/kg	<0.01	<0.01
BHC, delta isomer, mg/kg	<0.005	<0.005
BHC, gamma isomer (Lindane), mg/kg	<0.004	<0.004
Surrogates **		
Decachlorobiphenyl Reported, mg/kg	0.0117	0.0052

LOG NO: G97-12-304

Received: 10 DEC 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-304-16	WDI-TS-142-12.6-13	10 DEC 97
12-304-3	WDI-TS-141-2-3	10 DEC 97

PARAMETER	12-304-16	12-304-3
Decachlorobiphenyl Theoretical, mg/kg	0.0083	0.0083
Tetrachloro-meta-xylene Rpt., mg/kg	0.0080	0.0046
Tetrachloro-meta-xylene Theor., mg/kg	0.0083	0.0083
PCBs (8080)		
Date Analyzed	01/22/98	01/22/98
Date Extracted	12/16/97	12/16/97
Dilution Factor, Times	5	5
Aroclor 1016, mg/kg	<0.2	<0.2
Aroclor 1221, mg/kg	<0.2	<0.2
Aroclor 1232, mg/kg	<0.2	<0.2
Aroclor 1242, mg/kg	<0.2	<0.2
Aroclor 1248, mg/kg	<0.2	<0.2
Aroclor 1254, mg/kg	<0.2	<0.2
Aroclor 1260, mg/kg	<0.2	<0.2
Surrogates **		
Decachlorobiphenyl Reported, mg/kg	0.0117	0.0052
Decachlorobiphenyl Theoretical, mg/kg	0.0083	0.0083
Tetrachloro-meta-xylene Rpt., mg/kg	0.0080	0.0046
Tetrachloro-meta-xylene Theor., mg/kg	0.0083	0.0083
Arsenic (7060), mg/kg	3.0	2.9
Antimony (6010), mg/kg	<10	<10
Barium (6010), mg/kg	190	59
Beryllium (6010), mg/kg	0.30	0.15
Cadmium (6010), mg/kg	<1	<1
Chromium (6010), mg/kg	10	4.6
Cobalt (6010), mg/kg	7.4	4.1

ATTACHMENT A.2

SOIL GAS

TRC

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW21-36-01
PAI Sample ID : P9800209-001

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/6/98
Date Received : 2/9/98
Date Analyzed : 2/19/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = 0.4 Pf 1 = 3.4

D.F. = 1.20

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	4.6	0.50
	Total Non-Methane Organics (as Methane)	110	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW11-35-01
PAI Sample ID : P9800209-002

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/6/98
Date Received : 2/9/98
Date Analyzed : 2/19/98
Volume(s) Analyzed : 0.50 ml
0.062 ml

Pi l = 0.4 Pf l = 3.5

D.F. = 1.21

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	18,000	0.50
	Total Non-Methane Organics (as Methane)	170	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW18-36-01
PAI Sample ID : P9800209-003

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/6/98
Date Received : 2/9/98
Date Analyzed : 2/19/98
Volume(s) Analyzed : 0.50 ml
0.062 ml

Pi 1 = 0.3 Pf 1 = 3.4
D.F. = 1.21

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	9.6	0.50
	Total Non-Methane Organics (as Methane)	11,000	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW17-35-01
PAI Sample ID : P9800209-004

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/6/98
Date Received : 2/9/98
Date Analyzed : 2/19/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = 0.3 Pf 1 = 3.4
D.F. = 1.21

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	ND	0.50
	Total Non-Methane Organics (as Methane)	53	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW17-35-01
PAI Sample ID : P9800209-004 (Laboratory Duplicate)

Test Code :	EPA 25C	Date Sampled :	2/6/98
Instrument :	HP5890A/FID/TCA	Date Received :	2/9/98
Analyst :	Wade Henton	Date Analyzed :	2/19/98
Matrix :	Summa Canister	Volume(s) Analyzed :	0.50 ml

Pi 1 = 0.3 Pf 1 = 3.4

D.F. = 1.21

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	ND	0.50
	Total Non-Methane Organics (as Methane)	51	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : N/A
PAI Sample ID : PAI Method Blank

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 2/19/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = 0.0 Pf 1 = 0.0

D.F. = 1.00

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	ND	0.50
	Total Non-Methane Organics (as Methane)	ND	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW21-36-01
PAI Sample ID : P9800209-001

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/6/98
Date Received : 2/9/98
Date Analyzed : 2/24/98 ; 2/25/98
Volume(s) Analyzed : 0.200 Liter(s)
0.020 Liter(s)

Pi 1 = 0.4
Pf 1 = 3.4

D.F. = 1.20

CAS #	COMPOUND	RESULT (UG/M3)	REPORTING LIMIT (UG/M3)	RESULT (PPB)	REPORTING LIMIT (PPB)
74-87-3	Chloromethane	ND	5.0	ND	2.4
75-01-4	Vinyl Chloride	ND	5.0	ND	2.0
75-00-3	Chloroethane	ND	5.0	ND	1.9
74-83-9	Bromomethane	ND	5.0	ND	1.3
67-64-1	Acetone	ND	5.0	ND	2.1
75-69-4	Trichlorofluoromethane	ND	5.0	ND	0.90
75-35-4	1,1-Dichloroethene	ND	5.0	ND	1.3
75-09-2	Methylene chloride	ND	5.0	ND	1.5
75-15-0	Carbon Disulfide	5.8	5.0	1.9	1.6
76-13-1	Trichlorotrifluoroethane	ND	5.0	ND	0.66
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ND	1.3
156-59-2	cis-1,2-Dichloroethene	5.4	5.0	1.4	1.3
75-34-3	1,1-Dichloroethane	ND	5.0	ND	1.2
1634-04-4	Methyl tert-Butyl Ether	ND	5.0	ND	1.4
108-05-4	Vinyl Acetate	ND	5.0	ND	1.4
78-93-3	2-Butanone	20	5.0	6.7	1.7
67-66-3	Chloroform	8.8	5.0	1.8	1.0
107-06-2	1,2-Dichloroethane	ND	5.0	ND	1.2
71-55-6	1,1,1-Trichloroethane	9.4	5.0	1.7	0.93
71-43-2	Benzene	ND	5.0	ND	1.6
56-23-5	Carbon Tetrachloride	ND	5.0	ND	0.80
78-87-5	1,2-Dichloropropane	ND	5.0	ND	1.1

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW21-36-01
PAI Sample ID : P9800209-001

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/6/98
Date Received : 2/9/98
Date Analyzed : 2/24/98 ; 2/25/98
Volume(s) Analyzed : 0.200 Liter(s)
0.020 Liter(s)

Pi 1 = 0.4
Pf 1 = 3.4

D.F. = 1.20

CAS #	COMPOUND	RESULT (UG/M3)	REPORTING LIMIT (UG/M3)	RESULT (PPB)	REPORTING LIMIT (PPB)
75-27-4	Bromodichloromethane	ND	5.0	ND	0.75
79-01-6	Trichloroethene	2,200	5.0	420	0.94
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	ND	1.1
108-10-1	4-Methyl-2-pentanone	ND	5.0	ND	1.2
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	ND	1.1
79-00-5	1,1,2-Trichloroethane	ND	5.0	ND	0.93
108-88-3	Toluene	4.2 TR	5.0	1.1 TR	1.3
124-48-1	Dibromochloromethane	ND	5.0	ND	0.59
591-78-6	2-Hexanone	ND	5.0	ND	1.2
106-93-4	1,2-Dibromoethane	ND	5.0	ND	0.66
127-18-4	Tetrachloroethene	120	5.0	18	0.75
108-90-7	Chlorobenzene	ND	5.0	ND	1.1
100-41-4	Ethylbenzene	ND	5.0	ND	1.2
75-25-2	Bromoform	ND	5.0	ND	0.49
100-42-5	Styrene	ND	5.0	ND	1.2
1330-20-7	m,p-Xylenes	ND	5.0	ND	1.2
95-47-6	o-Xylene	ND	5.0	ND	1.2
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	ND	0.74
541-73-1	1,3-Dichlorobenzene	ND	5.0	ND	0.84
106-46-7	1,4-Dichlorobenzene	ND	5.0	ND	0.84
95-50-1	1,2-Dichlorobenzene	ND	5.0	ND	0.84

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW11-35-01
PAI Sample ID : P9800209-002

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/6/98
Date Received : 2/9/98
Date Analyzed : 2/24/98
Volume(s) Analyzed : 0.200 Liter(s)

Pi 1 = 0.4
Pf 1 = 3.5

D.F. = 1.21

CAS #	COMPOUND	RESULT (UG/M3)	REPORTING LIMIT (UG/M3)	RESULT (PPB)	REPORTING LIMIT (PPB)
74-87-3	Chloromethane	ND	5.0	ND	2.4
75-01-4	Vinyl Chloride	18	5.0	7.1	2.0
75-00-3	Chloroethane	ND	5.0	ND	1.9
74-83-9	Bromomethane	ND	5.0	ND	1.3
67-64-1	Acetone	ND	5.0	ND	2.1
75-69-4	Trichlorofluoromethane	ND	5.0	ND	0.90
75-35-4	1,1-Dichloroethene	ND	5.0	ND	1.3
75-09-2	Methylene chloride	ND	5.0	ND	1.5
75-15-0	Carbon Disulfide	ND	5.0	ND	1.6
76-13-1	Trichlorotrifluoroethane	ND	5.0	ND	0.66
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ND	1.3
156-59-2	cis-1,2-Dichloroethene	7.7	5.0	2.0	1.3
75-34-3	1,1-Dichloroethane	4.4 TR	5.0	1.1 TR	1.2
1634-04-4	Methyl tert-Butyl Ether	ND	5.0	ND	1.4
108-05-4	Vinyl Acetate	ND	5.0	ND	1.4
78-93-3	2-Butanone	ND	5.0	ND	1.7
67-66-3	Chloroform	ND	5.0	ND	1.0
107-06-2	1,2-Dichloroethane	ND	5.0	ND	1.2
71-55-6	1,1,1-Trichloroethane	ND	5.0	ND	0.93
71-43-2	Benzene	4.9 TR	5.0	1.5 TR	1.6
56-23-5	Carbon Tetrachloride	ND	5.0	ND	0.80
78-87-5	1,2-Dichloropropane	ND	5.0	ND	1.1

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW11-35-01
PAI Sample ID : P9800209-002

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/6/98
Date Received : 2/9/98
Date Analyzed : 2/24/98
Volume(s) Analyzed : 0.200 Liter(s)

Pi 1 = 0.4
Pf 1 = 3.5

D.F. = 1.21

CAS #	COMPOUND	RESULT (UG/M3)	REPORTING LIMIT (UG/M3)	RESULT (PPB)	REPORTING LIMIT (PPB)
75-27-4	Bromodichloromethane	ND	5.0	ND	0.75
79-01-6	Trichloroethene	43	5.0	8.0	0.94
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	ND	1.1
108-10-1	4-Methyl-2-pentanone	ND	5.0	ND	1.2
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	ND	1.1
79-00-5	1,1,2-Trichloroethane	ND	5.0	ND	0.93
108-88-3	Toluene	5.0	5.0	1.3	1.3
124-48-1	Dibromochloromethane	ND	5.0	ND	0.59
591-78-6	2-Hexanone	ND	5.0	ND	1.2
106-93-4	1,2-Dibromoethane	ND	5.0	ND	0.66
127-18-4	Tetrachloroethene	230	5.0	34	0.75
108-90-7	Chlorobenzene	ND	5.0	ND	1.1
100-41-4	Ethylbenzene	ND	5.0	ND	1.2
75-25-2	Bromoform	ND	5.0	ND	0.49
100-42-5	Styrene	ND	5.0	ND	1.2
1330-20-7	m,p-Xylenes	ND	5.0	ND	1.2
95-47-6	o-Xylene	ND	5.0	ND	1.2
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	ND	0.74
541-73-1	1,3-Dichlorobenzene	ND	5.0	ND	0.84
106-46-7	1,4-Dichlorobenzene	ND	5.0	ND	0.84
95-50-1	1,2-Dichlorobenzene	ND	5.0	ND	0.84

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW11-35-01
PAI Sample ID : P9800209-002 Dup

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/6/98
Date Received : 2/9/98
Date Analyzed : 2/25/98
Volume(s) Analyzed : 0.200 Liter(s)

Pi 1 = 0.4
Pf 1 = 3.5

D.F. = 1.21

CAS #	COMPOUND	RESULT (UG/M3)	REPORTING LIMIT (UG/M3)	RESULT (PPB)	REPORTING LIMIT (PPB)
74-87-3	Chloromethane	ND	5.0	ND	2.4
75-01-4	Vinyl Chloride	16	5.0	6.5	2.0
75-00-3	Chloroethane	ND	5.0	ND	1.9
74-83-9	Bromomethane	ND	5.0	ND	1.3
67-64-1	Acetone	ND	5.0	ND	2.1
75-69-4	Trichlorofluoromethane	ND	5.0	ND	0.90
75-35-4	1,1-Dichloroethene	ND	5.0	ND	1.3
75-09-2	Methylene chloride	ND	5.0	ND	1.5
75-15-0	Carbon Disulfide	ND	5.0	ND	1.6
76-13-1	Trichlorotrifluoroethane	ND	5.0	ND	0.66
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ND	1.3
156-59-2	cis-1,2-Dichloroethene	7.4	5.0	1.9	1.3
75-34-3	1,1-Dichloroethane	3.9 TR	5.0	0.98 TR	1.2
1634-04-4	Methyl tert-Butyl Ether	ND	5.0	ND	1.4
108-05-4	Vinyl Acetate	ND	5.0	ND	1.4
78-93-3	2-Butanone	ND	5.0	ND	1.7
67-66-3	Chloroform	ND	5.0	ND	1.0
107-06-2	1,2-Dichloroethane	ND	5.0	ND	1.2
71-55-6	1,1,1-Trichloroethane	ND	5.0	ND	0.93
71-43-2	Benzene	5.2	5.0	1.6	1.6
56-23-5	Carbon Tetrachloride	ND	5.0	ND	0.80
78-87-5	1,2-Dichloropropane	ND	5.0	ND	1.1

(1)

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW11-35-01
PAI Sample ID : P9800209-002 Dup

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/6/98
Date Received : 2/9/98
Date Analyzed : 2/25/98
Volume(s) Analyzed : 0.200 Liter(s)

Pi 1 = 0.4
Pf 1 = 3.5

D.F. = 1.21

CAS #	COMPOUND	RESULT (UG/M3)	REPORTING LIMIT (UG/M3)	RESULT (PPB)	REPORTING LIMIT (PPB)
75-27-4	Bromodichloromethane	ND	5.0	ND	0.75
79-01-6	Trichloroethene	40	5.0	7.5	0.94
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	ND	1.1
108-10-1	4-Methyl-2-pentanone	ND	5.0	ND	1.2
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	ND	1.1
79-00-5	1,1,2-Trichloroethane	ND	5.0	ND	0.93
108-88-3	Toluene	5.6	5.0	1.5	1.3
124-48-1	Dibromochloromethane	ND	5.0	ND	0.59
591-78-6	2-Hexanone	ND	5.0	ND	1.2
106-93-4	1,2-Dibromoethane	ND	5.0	ND	0.66
127-18-4	Tetrachloroethene	250	5.0	38	0.75
108-90-7	Chlorobenzene	ND	5.0	ND	1.1
100-41-4	Ethylbenzene	ND	5.0	ND	1.2
75-25-2	Bromoform	ND	5.0	ND	0.49
100-42-5	Styrene	ND	5.0	ND	1.2
1330-20-7	m,p-Xylenes	ND	5.0	ND	1.2
95-47-6	o-Xylene	ND	5.0	ND	1.2
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	ND	0.74
541-73-1	1,3-Dichlorobenzene	ND	5.0	ND	0.84
106-46-7	1,4-Dichlorobenzene	ND	5.0	ND	0.84
95-50-1	1,2-Dichlorobenzene	ND	5.0	ND	0.84

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW18-36-01
PAI Sample ID : P9800209-003

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/6/98
Date Received : 2/9/98
Date Analyzed : 2/24/98
Volume(s) Analyzed : 0.0010 Liter(s)

Pi 1 = 0.3
Pf 1 = 3.4

D.F. = 1.21

CAS #	COMPOUND	RESULT (UG/M3)	REPORTING LIMIT (UG/M3)	RESULT (PPB)	REPORTING LIMIT (PPB)	
74-87-3	Chloromethane	ND	1,000	ND	490	
75-01-4	Vinyl Chloride	ND	1,000	ND	390	
75-00-3	Chloroethane	ND	1,000	ND	380	
74-83-9	Bromomethane	ND	1,000	ND	260	
67-64-1	Acetone	ND	1,000	ND	420	
75-69-4	Trichlorofluoromethane	ND	1,000	ND	180	
75-35-4	1,1-Dichloroethene	ND	1,000	ND	250	(1)
75-09-2	Methylene chloride	ND	1,000	ND	290	
75-15-0	Carbon Disulfide	ND	1,000	ND	320	
76-13-1	Trichlorotrifluoroethane	ND	1,000	ND	130	
156-60-5	trans-1,2-Dichloroethene	ND	1,000	ND	250	
156-59-2	cis-1,2-Dichloroethene	ND	1,000	ND	250	
75-34-3	1,1-Dichloroethane	ND	1,000	ND	250	
1634-04-4	Methyl tert-Butyl Ether	ND	1,000	ND	280	
108-05-4	Vinyl Acetate	ND	1,000	ND	280	
78-93-3	2-Butanone	ND	1,000	ND	340	
67-66-3	Chloroform	ND	1,000	ND	210	
107-06-2	1,2-Dichloroethane	ND	1,000	ND	250	(1)
71-55-6	1,1,1-Trichloroethane	ND	1,000	ND	190	
71-43-2	Benzene	5,200	1,000	1,600	310	
56-23-5	Carbon Tetrachloride	ND	1,000	ND	160	
78-87-5	1,2-Dichloropropane	ND	1,000	ND	220	

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW18-36-01
PAI Sample ID : P9800209-003

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/6/98
Date Received : 2/9/98
Date Analyzed : 2/24/98
Volume(s) Analyzed : 0.0010 Liter(s)

Pi 1 = 0.3
Pf 1 = 3.4

D.F. = 1.21

CAS #	COMPOUND	RESULT (UG/M3)	REPORTING LIMIT (UG/M3)	RESULT (PPB)	REPORTING LIMIT (PPB)	
75-27-4	Bromodichloromethane	ND	1,000	ND	150	
79-01-6	Trichloroethene	ND	1,000	ND	190	(1)
10061-01-5	cis-1,3-Dichloropropene	ND	1,000	ND	220	
108-10-1	4-Methyl-2-pentanone	ND	1,000	ND	240	
10061-02-6	trans-1,3-Dichloropropene	ND	1,000	ND	220	
79-00-5	1,1,2-Trichloroethane	ND	1,000	ND	190	
108-88-3	Toluene	2,000	1,000	530	270	
124-48-1	Dibromochloromethane	ND	1,000	ND	120	
591-78-6	2-Hexanone	ND	1,000	ND	240	
106-93-4	1,2-Dibromoethane	ND	1,000	ND	130	
127-18-4	Tetrachloroethene	ND	1,000	ND	150	(1)
108-90-7	Chlorobenzene	ND	1,000	ND	220	
100-41-4	Ethylbenzene	ND	1,000	ND	230	
75-25-2	Bromoform	ND	1,000	ND	98	
100-42-5	Styrene	ND	1,000	ND	240	
1330-20-7	m,p-Xylenes	1,500	1,000	350	230	
95-47-6	o-Xylene	ND	1,000	ND	230	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1,000	ND	150	
541-73-1	1,3-Dichlorobenzene	ND	1,000	ND	170	
106-46-7	1,4-Dichlorobenzene	ND	1,000	ND	170	
95-50-1	1,2-Dichlorobenzene	ND	1,000	ND	170	

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW17-35-01
PAI Sample ID : P9800209-004

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/6/98
Date Received : 2/9/98
Date Analyzed : 2/24/98 ; 2/25/98
Volume(s) Analyzed : 0.200 Liter(s)
0.050 Liter(s)

Pi 1 = 0.3
Pf 1 = 3.4

D.F. = 1.21

CAS #	COMPOUND	RESULT (UG/M3)	REPORTING LIMIT (UG/M3)	RESULT (PPB)	REPORTING LIMIT (PPB)
74-87-3	Chloromethane	ND	5.0	ND	2.4
75-01-4	Vinyl Chloride	ND	5.0	ND	2.0
75-00-3	Chloroethane	ND	5.0	ND	1.9
74-83-9	Bromomethane	ND	5.0	ND	1.3
67-64-1	Acetone	20	5.0	8.3	2.1
75-69-4	Trichlorofluoromethane	10	5.0	1.8	0.90
75-35-4	1,1-Dichloroethene	31	5.0	7.8	1.3
75-09-2	Methylene chloride	ND	5.0	ND	1.5
75-15-0	Carbon Disulfide	ND	5.0	ND	1.6
76-13-1	Trichlorotrifluoroethane	4.6 TR	5.0	0.61 TR	0.66
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ND	1.3
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ND	1.3
75-34-3	1,1-Dichloroethane	ND	5.0	ND	1.2
1634-04-4	Methyl tert-Butyl Ether	ND	5.0	ND	1.4
108-05-4	Vinyl Acetate	ND	5.0	ND	1.4
78-93-3	2-Butanone	6.5	5.0	2.2	1.7
67-66-3	Chloroform	ND	5.0	ND	1.0
107-06-2	1,2-Dichloroethane	ND	5.0	ND	1.2
71-55-6	1,1,1-Trichloroethane	1,300	5.0	240	0.93
71-43-2	Benzene	21	5.0	6.6	1.6
56-23-5	Carbon Tetrachloride	ND	5.0	ND	0.80
78-87-5	1,2-Dichloropropane	ND	5.0	ND	1.1

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW17-35-01
PAI Sample ID : P9800209-004

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/6/98
Date Received : 2/9/98
Date Analyzed : 2/24/98 ; 2/25/98
Volume(s) Analyzed : 0.200 Liter(s)
0.050 Liter(s)

Pi 1 = 0.3
Pf 1 = 3.4

D.F. = 1.21

CAS #	COMPOUND	RESULT (UG/M3)	REPORTING LIMIT (UG/M3)	RESULT (PPB)	REPORTING LIMIT (PPB)
75-27-4	Bromodichloromethane	ND	5.0	ND	0.75
79-01-6	Trichloroethene	73	5.0	14	0.94
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	ND	1.1
108-10-1	4-Methyl-2-pentanone	ND	5.0	ND	1.2
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	ND	1.1
79-00-5	1,1,2-Trichloroethane	ND	5.0	ND	0.93
108-88-3	Toluene	130	5.0	33	1.3
124-48-1	Dibromochloromethane	ND	5.0	ND	0.59
591-78-6	2-Hexanone	ND	5.0	ND	1.2
106-93-4	1,2-Dibromoethane	ND	5.0	ND	0.66
127-18-4	Tetrachloroethene	130	5.0	19	0.75
108-90-7	Chlorobenzene	ND	5.0	ND	1.1
100-41-4	Ethylbenzene	40	5.0	9.2	1.2
75-25-2	Bromoform	ND	5.0	ND	0.49
100-42-5	Styrene	ND	5.0	ND	1.2
1330-20-7	m,p-Xylenes	150	5.0	34	1.2
95-47-6	o-Xylene	61	5.0	14	1.2
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	ND	0.74
541-73-1	1,3-Dichlorobenzene	ND	5.0	ND	0.84
106-46-7	1,4-Dichlorobenzene	ND	5.0	ND	0.84
95-50-1	1,2-Dichlorobenzene	ND	5.0	ND	0.84

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RCS

Date : 3/5/98

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 2/24/98
Volume(s) Analyzed : 1.000 Liter(s)

Pi 1 = 0.0
Pf 1 = 0.0

D.F. = 1.00

CAS #	COMPOUND	RESULT (UG/M3)	REPORTING LIMIT (UG/M3)	RESULT (PPB)	REPORTING LIMIT (PPB)
74-87-3	Chloromethane	ND	1.0	ND	0.49
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
75-00-3	Chloroethane	ND	1.0	ND	0.38
74-83-9	Bromomethane	ND	1.0	ND	0.26
67-64-1	Acetone	ND	1.0	ND	0.42
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	ND	1.0	ND	0.29
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	ND	1.0	ND	0.34
67-66-3	Chloroform	ND	1.0	ND	0.21
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.19
71-43-2	Benzene	ND	1.0	ND	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 2/24/98
Volume(s) Analyzed : 1.000 Liter(s)

Pi 1 = 0.0
Pf 1 = 0.0

D.F. = 1.00

CAS #	COMPOUND	RESULT (UG/M3)	REPORTING LIMIT (UG/M3)	RESULT (PPB)	REPORTING LIMIT (PPB)
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.19
108-88-3	Toluene	ND	1.0	ND	0.27
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
591-78-6	2-Hexanone	ND	1.0	ND	0.24
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	ND	1.0	ND	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.24
1330-20-7	m,p-Xylenes	ND	1.0	ND	0.23
95-47-6	o-Xylene	ND	1.0	ND	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 2/25/98
Volume(s) Analyzed : 1.000 Liter(s)

Pi 1 = 0.0
Pf 1 = 0.0

D.F. = 1.00

CAS #	COMPOUND	RESULT (UG/M3)	REPORTING LIMIT (UG/M3)	RESULT (PPB)	REPORTING LIMIT (PPB)
74-87-3	Chloromethane	ND	1.0	ND	0.49
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
75-00-3	Chloroethane	ND	1.0	ND	0.38
74-83-9	Bromomethane	ND	1.0	ND	0.26
67-64-1	Acetone	ND	1.0	ND	0.42
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	ND	1.0	ND	0.29
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	ND	1.0	ND	0.34
67-66-3	Chloroform	ND	1.0	ND	0.21
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.19
71-43-2	Benzene	ND	1.0	ND	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 2/25/98
Volume(s) Analyzed : 1.000 Liter(s)

Pi 1 = 0.0
Pf 1 = 0.0

D.F. = 1.00

CAS #	COMPOUND	RESULT (UG/M3)	REPORTING LIMIT (UG/M3)	RESULT (PPB)	REPORTING LIMIT (PPB)
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.19
108-88-3	Toluene	ND	1.0	ND	0.27
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
591-78-6	2-Hexanone	ND	1.0	ND	0.24
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	ND	1.0	ND	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.24
1330-20-7	m,p-Xylenes	ND	1.0	ND	0.23
95-47-6	o-Xylene	ND	1.0	ND	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Ship To: VOC Analytical
Attn: Sample Control
801 Western
Glendale, CA

Page: 1 of 1
Project Name: WDI
Project No.: 94-256
Site Location: Santa Fe Springs CA
Date: 2/6/98

CHAIN OF CUSTODY RECORD

P9800209

G98-02-153

Boring/Well No.	Sample No.	Depth	Date	Time	Sample Type: Water	Solid	Other	Comp.	Grab	Sample Containers: Vol.	No.	Type	Pres.	Analysis: TO-15	Methane	NMHC					Remarks
-001	WDI-VW	21-36	-01	2/6/98	0955			Air			6L	1	Summa	-	X	X	X					309
-002	WDI-VW	11-35	-01	"	1045			"			"	1	"		X	X	X					461
-003	WDI-VW18	-36	-01	"	1110			"			"	1	"		X	X	X					421
-004	WDI-VW17	-35	-01	"	1135			"			"	1	"		X	X	X					452

Total Number of Samples Shipped: 4 Shipper's Signature: Hiren Andhrakar

	Signature	Company	Date	Time
Relinquished by:	Hiren Andhrakar	TBC	2/6/98	1340
Received by:		VOC	2/6/98	1340
Relinquished by:		VOC	2/9/98	0845
Received by:	Alason Matlock	VOC	2/9/98	0845
Relinquished by:				
Received by:	Robert D Pe	PERFORMANCE ANALYTICAL INC.	2/9/98	10:45 AM.

Special Instructions / Shipment / Handling / Storage Requirements:

Send results attn. Roberto Puga

The material(s) listed are received for analysis and/or treatability evaluation and remain the property of the client and not Environmental Solutions, Inc. At the conclusion of the test work, all remaining material(s) will be returned to the client for eventual disposal at a licensed facility.

☒ ENVIRONMENTAL SOLUTIONS, INC.
21 Technology Drive
Irvine, California 92718
(714) 727-9336

☐ ENVIRONMENTAL SOLUTIONS, INC.
1172 Pelican Bay Drive
Daytona Beach, Florida 32119

☐ ENVIRONMENTAL SOLUTIONS, INC.
1201 N. McDowell Boulevard
Petaluma, California 94954

☐ ENVIRONMENTAL SOLUTIONS
2815 Mitchell Drive
Walnut C

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF METHANE ANALYSIS

Client: TRC

Client Project ID: WD1
PAI Project ID: P9800208

Test Code: GC/TCD
Instrument ID: HP 5890A/TCD #1
Analyst: Wade Henton
Matrix: Summa Canister(s)

Date Sampled: 2/5/98
Date Received: 2/9/98
Date Analyzed: 2/17/98
Volume(s) Analyzed: 1.00 ml
0.10 ml

Client Sample ID	PAI Sample ID	D.F.	Methane (%, v/v) Result	Reporting Limit
WD1-VW25-35-01	P9800208-007	1.22	50.7	0.100
WD1-VWFD25-35-01	P9800208-008	1.23	48.7	0.100
N/A (2/17/98)	Method Blank	1.00	ND	0.0100

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW50-8-01
PAI Sample ID : P9800208-001

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/17/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = -0.2 Pf 1 = 3.5

D.F. = 1.26

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	6.0	0.50
	Total Non-Methane Organics (as Methane)	19	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW50-18-01
PAI Sample ID : P9800208-002

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/17/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = 0.5 Pf 1 = 3.5

D.F. = 1.20

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	5.1	0.50
	Total Non-Methane Organics (as Methane)	40	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW50-18-01
PAI Sample ID : P9800208-002 (Laboratory Duplicate)

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/17/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = 0.5 Pf 1 = 3.5

D.F. = 1.20

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	5.2	0.50
	Total Non-Methane Organics (as Methane)	37	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW50-35-01
PAI Sample ID : P9800208-003

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/17/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = 0.4 Pf 1 = 3.5

D.F. = 1.21

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	ND	0.50
	Total Non-Methane Organics (as Methane)	75	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW32-8-01
PAI Sample ID : P9800208-004

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/17/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = -1.6 Pf 1 = 3.5

D.F. = 1.39

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	1.1	0.50
	Total Non-Methane Organics (as Methane)	18	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RCS

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW32-18-01
PAI Sample ID : P9800208-005

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/17/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = 0.1 Pf 1 = 3.5

D.F. = 1.23

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	ND	0.50
	Total Non-Methane Organics (as Methane)	50	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW32-35-01
PAI Sample ID : P9800208-006

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/17/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = 0.3 Pf 1 = 3.5

D.F. = 1.21

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	ND	0.50
	Total Non-Methane Organics (as Methane)	67	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW32-35-01
PAI Sample ID : P9800208-006 (Laboratory Duplicate)

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/17/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = 0.3 Pf 1 = 3.5

D.F. = 1.21

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	ND	0.50
	Total Non-Methane Organics (as Methane)	68	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RCr

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW25-35-01
PAI Sample ID : P9800208-007

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/17/98
Volume(s) Analyzed : 0.062 ml

Pi 1 = 0.2 Pf 1 = 3.5

D.F. = 1.22

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
	Total Non-Methane Organics (as Methane)	12,000	8.1

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VWFD25-35-01
PAI Sample ID : P9800208-008

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/17/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = 0.1 Pf 1 = 3.5

D.F. = 1.23

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
	Total Non-Methane Organics (as Methane)	10,000	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VWFB25-35-01
PAI Sample ID : P9800208-009

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/19/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = -14.5 Pf 1 = 3.5

D.F. = N/A

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	3.1	0.50
	Total Non-Methane Organics (as Methane)	ND	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW26-35-01
PAI Sample ID : P9800208-010

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/17/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = 0.0 Pf 1 = 3.5

D.F. = 1.24

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	0.89	0.50
	Total Non-Methane Organics (as Methane)	63	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW31-10-01
PAI Sample ID : P9800208-011

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/17/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = -0.1 Pf 1 = 3.5

D.F. = 1.25

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	0.73	0.50
	Total Non-Methane Organics (as Methane)	19	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW31-30-01
PAI Sample ID : P9800208-012

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/17/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = 0.1 Pf 1 = 3.5

D.F. = 1.23

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	0.72	0.50
	Total Non-Methane Organics (as Methane)	59	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW12-34-01
PAI Sample ID : P9800208-013

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/19/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = 0.0 Pf 1 = 3.4

D.F. = 1.23

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	1.2	0.50
	Total Non-Methane Organics (as Methane)	62	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RCS

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW12-34-01
PAI Sample ID : P9800208-013 (Laboratory Duplicate)

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/19/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = 0.0 Pf 1 = 3.4

D.F. = 1.23

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	1.1	0.50
	Total Non-Methane Organics (as Methane)	58	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW24-35-01
PAI Sample ID : P9800208-014

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/19/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = 0.0 Pf 1 = 3.4

D.F. = 1.23

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	ND	0.50
	Total Non-Methane Organics (as Methane)	91	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW23-36-01
PAI Sample ID : P9800208-015

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/19/98
Volume(s) Analyzed : 0.50 ml
0.062 ml

Pi 1 = 0.0 Pf 1 = 3.4

D.F. = 1.23

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	4,200	0.50
	Total Non-Methane Organics (as Methane)	170	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW33-10-01
PAI Sample ID : P9800208-016

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/19/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = -1.1 Pf 1 = 3.2

D.F. = 1.32

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	1.0	0.50
	Total Non-Methane Organics (as Methane)	40	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW33-35-01
PAI Sample ID : P9800208-017

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/19/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = 0.0 Pf 1 = 3.5

D.F. = 1.24

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	2.0	0.50
	Total Non-Methane Organics (as Methane)	89	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : N/A
PAI Sample ID : PAI Method Blank

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 2/17/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = 0.0 Pf 1 = 0.0

D.F. = 1.00

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	ND	0.50
	Total Non-Methane Organics (as Methane)	ND	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : N/A
PAI Sample ID : PAI Method Blank

Test Code :	EPA 25C	Date Sampled :	N/A
Instrument :	HP5890A/FID/TCA	Date Received :	N/A
Analyst :	Wade Henton	Date Analyzed :	2/19/98
Matrix :	Summa Canister	Volume(s) Analyzed :	0.50 ml

Pi 1 = 0.0 Pf 1 = 0.0

D.F. = 1.00

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	ND	0.50
	Total Non-Methane Organics (as Methane)	ND	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC Environmental Corporation

Client Sample ID : WD1-VW50-8-01
PAI Sample ID : P9800208-001

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/23/98, 2/24/98
Volume(s) Analyzed : 1.000 (liters)
0.200 (liters)

Pf 1 = -0.2
Pf 1 = 3.5
D.F. = 1.26

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb	
74-87-3	Chloromethane	1.8	1.0	0.86	0.48	
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39	
74-83-9	Bromomethane	ND	1.0	ND	0.26	
75-00-3	Chloroethane	ND	1.0	ND	0.38	
67-64-1	Acetone	67	1.0	28	0.42	
75-69-4	Trichlorofluoromethane	2.8	1.0	0.49	0.18	
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25	(1)
75-09-2	Methylene Chloride	2.2	1.0	0.62	0.29	
76-13-1	Trichlorotrifluoroethane	1.8	1.0	0.23	0.13	
75-15-0	Carbon Disulfide	34	1.0	11	0.32	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25	
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25	
1634-04-4	Methyl tert-Butyl Ether	11	1.0	2.9	0.28	
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28	
78-93-3	2-Butanone	4.0	1.0	1.4	0.34	
156-59-2	cis-1,2-Dichloroethene	1.0	1.0	0.26	0.25	
67-66-3	Chloroform	12	1.0	2.4	0.20	
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25	(1)
71-55-6	1,1,1-Trichloroethane	310	1.0	57	0.18	
71-43-2	Benzene	0.91 TR	1.0	0.28 TR	0.31	
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16	
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22	

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC Environmental Corporation

Client Sample ID : WD1-VW50-8-01
PAI Sample ID : P9800208-001

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/23/98, 2/24/98
Volume(s) Analyzed : 1.000 (liters)
0.200 (liters)

Pi 1 = -0.2
Pf 1 = 3.5
D.F. = 1.26

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	20	1.0	3.0	0.15
79-01-6	Trichloroethene	3.4	1.0	0.63	0.19
10061-02-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-Pentanone	0.71 TR	1.0	0.17 TR	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	6.3	1.0	1.7	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	57	1.0	6.7	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	9.7	1.0	1.4	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	1.1	1.0	0.26	0.23
1330-20-7	m- & p-Xylene	3.6	1.0	0.83	0.23
75-25-2	Bromoform	73	1.0	7.1	0.10
100-42-5	Styrene	0.87 TR	1.0	0.20 TR	0.23
95-47-6	o-Xylene	1.3	1.0	0.30	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC Environmental Corporation

Client Sample ID : WD1-VW50-18-01
PAI Sample ID : P9800208-002

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/23/98
Volume(s) Analyzed : 1.000 (liters)

Pi 1 = 0.5
Pf 1 = 3.5
D.F. = 1.20

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	1.9	1.0	0.93	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	26	1.0	11	0.42
75-69-4	Trichlorofluoromethane	3.0	1.0	0.54	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene Chloride	6.0	1.0	1.7	0.29
76-13-1	Trichlorotrifluoroethane	2.8	1.0	0.36	0.13
75-15-0	Carbon Disulfide	15	1.0	4.8	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	6.6	1.0	1.8	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	1.3	1.0	0.44	0.34
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
67-66-3	Chloroform	6.5	1.0	1.3	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	75	1.0	14	0.18
71-43-2	Benzene	1.3	1.0	0.41	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/5/98

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC Environmental Corporation

Client Sample ID : WD1-VW50-18-01
PAI Sample ID : P9800208-002

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/23/98
Volume(s) Analyzed : 1.000 (liters)

Pi 1 = 0.5
Pf 1 = 3.5
D.F. = 1.20

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	6.2	1.0	0.93	0.15
79-01-6	Trichloroethene	5.1	1.0	0.96	0.19
10061-02-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-Pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	4.2	1.0	1.1	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	11	1.0	1.3	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	18	1.0	2.7	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	0.94 TR	1.0	0.22 TR	0.23
1330-20-7	m- & p-Xylene	3.3	1.0	0.77	0.23
75-25-2	Bromoform	10	1.0	0.98	0.10
100-42-5	Styrene	ND	1.0	ND	0.23
95-47-6	o-Xylene	1.1	1.0	0.25	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC Environmental Corporation

Client Sample ID : WD1-VW50-18-01
PAI Sample ID : P9800208-002 (Laboratory Duplicate)

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/23/98
Volume(s) Analyzed : 1.000 (liters)

Pi 1 = 0.5
Pf 1 = 3.5
D.F. = 1.20

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb	
74-87-3	Chloromethane	1.9	1.0	0.92	0.48	
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39	
74-83-9	Bromomethane	ND	1.0	ND	0.26	
75-00-3	Chloroethane	ND	1.0	ND	0.38	
67-64-1	Acetone	26	1.0	11	0.42	
75-69-4	Trichlorofluoromethane	3.0	1.0	0.53	0.18	
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25	(1)
75-09-2	Methylene Chloride	6.0	1.0	1.7	0.29	
76-13-1	Trichlorotrifluoroethane	1.5	1.0	0.20	0.13	
75-15-0	Carbon Disulfide	15	1.0	4.8	0.32	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25	
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25	
1634-04-4	Methyl tert-Butyl Ether	6.4	1.0	1.8	0.28	
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28	
78-93-3	2-Butanone	1.2	1.0	0.41	0.34	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25	
67-66-3	Chloroform	6.4	1.0	1.3	0.20	
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25	(1)
71-55-6	1,1,1-Trichloroethane	76	1.0	14	0.18	
71-43-2	Benzene	1.3	1.0	0.41	0.31	
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16	
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22	

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC Environmental Corporation

Client Sample ID : WD1-VW50-18-01
PAI Sample ID : P9800208-002 (Laboratory Duplicate)

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/23/98
Volume(s) Analyzed : 1.000 (liters)

Pi 1 = 0.5
Pf 1 = 3.5
D.F. = 1.20

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	5.9	1.0	0.89	0.15
79-01-6	Trichloroethene	5.2	1.0	0.97	0.19
10061-02-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-Pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	4.2	1.0	1.1	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	11	1.0	1.3	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	19	1.0	2.8	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	0.96 TR	1.0	0.22 TR	0.23
1330-20-7	m- & p-Xylene	3.4	1.0	0.78	0.23
75-25-2	Bromoform	10	1.0	0.98	0.10
100-42-5	Styrene	ND	1.0	ND	0.23
95-47-6	o-Xylene	1.2	1.0	0.27	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC Environmental Corporation

Client Sample ID : WD1-VW50-35-01
PAI Sample ID : P9800208-003

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/23/98
Volume(s) Analyzed : 1.000 (liters)

Pi 1 = 0.4
Pf 1 = 3.5
D.F. = 1.21

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	49	1.0	21	0.42
75-69-4	Trichlorofluoromethane	1.7	1.0	0.31	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene Chloride	ND	1.0	ND	0.29
76-13-1	Trichlorotrifluoroethane	2.9	1.0	0.38	0.13
75-15-0	Carbon Disulfide	5.4	1.0	1.7	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	6.7	1.0	1.6	0.25
1634-04-4	Methyl tert-Butyl Ether	2.7	1.0	0.76	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	1.3	1.0	0.44	0.34
156-59-2	cis-1,2-Dichloroethene	26	1.0	6.5	0.25
67-66-3	Chloroform	4.2	1.0	0.85	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	36	1.0	6.6	0.18
71-43-2	Benzene	ND	1.0	ND	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC Environmental Corporation

Client Sample ID : WD1-VW50-35-01
PAI Sample ID : P9800208-003

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/23/98
Volume(s) Analyzed : 1.000 (liters)

Pi 1 = 0.4
Pf 1 = 3.5
D.F. = 1.21

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	22	1.0	4.0	0.19
10061-02-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-Pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	3.3	1.0	0.88	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	19	1.0	2.8	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	ND	1.0	ND	0.23
1330-20-7	m- & p-Xylene	2.1	1.0	0.47	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.23
95-47-6	o-Xylene	0.62 TR	1.0	0.14 TR	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC Environmental Corporation

Client Sample ID : WD1-VW32-8-01
PAI Sample ID : P9800208-004

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/24/98
Volume(s) Analyzed : 0.200 (liters)

Pi 1 = -1.6
Pf 1 = 3.5 **D.F. = 1.39**

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	5.0	ND	2.4
75-01-4	Vinyl Chloride	ND	5.0	ND	2.0
74-83-9	Bromomethane	ND	5.0	ND	1.3
75-00-3	Chloroethane	ND	5.0	ND	1.9
67-64-1	Acetone	19	5.0	8.0	2.1
75-69-4	Trichlorofluoromethane	ND	5.0	ND	0.89
75-35-4	1,1-Dichloroethene	ND	5.0	ND	1.3
75-09-2	Methylene Chloride	ND	5.0	ND	1.4
76-13-1	Trichlorotrifluoroethane	ND	5.0	ND	0.65
75-15-0	Carbon Disulfide	14	5.0	4.5	1.6
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ND	1.3
75-34-3	1,1-Dichloroethane	6.5	5.0	1.6	1.2
1634-04-4	Methyl tert-Butyl Ether	ND	5.0	ND	1.4
108-05-4	Vinyl Acetate	ND	5.0	ND	1.4
78-93-3	2-Butanone	ND	5.0	ND	1.7
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ND	1.3
67-66-3	Chloroform	18	5.0	3.6	1.0
107-06-2	1,2-Dichloroethane	14	5.0	3.4	1.2
71-55-6	1,1,1-Trichloroethane	150	5.0	28	0.92
71-43-2	Benzene	ND	5.0	ND	1.6
56-23-5	Carbon Tetrachloride	ND	5.0	ND	0.80
78-87-5	1,2-Dichloropropane	ND	5.0	ND	1.1

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC Environmental Corporation

Client Sample ID : WD1-VW32-8-01
PAI Sample ID : P9800208-004

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/24/98
Volume(s) Analyzed : 0.200 (liters)

Pi 1 = -1.6
Pf 1 = 3.5
D.F. = 1.39

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	6.5	5.0	0.98	0.75
79-01-6	Trichloroethene	ND	5.0	ND	0.93
10061-02-5	cis-1,3-Dichloropropene	ND	5.0	ND	1.1
108-10-1	4-Methyl-2-Pentanone	ND	5.0	ND	1.2
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	ND	1.1
79-00-5	1,1,2-Trichloroethane	ND	5.0	ND	0.92
108-88-3	Toluene	ND	5.0	ND	1.3
591-78-6	2-Hexanone	ND	5.0	ND	1.2
124-48-1	Dibromochloromethane	ND	5.0	ND	0.59
106-93-4	1,2-Dibromoethane	ND	5.0	ND	0.65
127-18-4	Tetrachloroethene	10	5.0	1.5	0.74
108-90-7	Chlorobenzene	ND	5.0	ND	1.1
100-41-4	Ethylbenzene	ND	5.0	ND	1.2
1330-20-7	m- & p-Xylene	ND	5.0	ND	1.2
75-25-2	Bromoform	ND	5.0	ND	0.48
100-42-5	Styrene	ND	5.0	ND	1.2
95-47-6	o-Xylene	ND	5.0	ND	1.2
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	ND	0.73
541-73-1	1,3-Dichlorobenzene	ND	5.0	ND	0.83
106-46-7	1,4-Dichlorobenzene	ND	5.0	ND	0.83
95-50-1	1,2-Dichlorobenzene	ND	5.0	ND	0.83

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/5/98

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC Environmental Corporation

Client Sample ID : WD1-VW32-18-01
PAI Sample ID : P9800208-005

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/24/98
Volume(s) Analyzed : 1.000 (liters)

Pi 1 = 0.1
Pf 1 = 3.5
D.F. = 1.23

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	0.97 TR	1.0	0.47 TR	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	17	1.0	7.0	0.42
75-69-4	Trichlorofluoromethane	2.7	1.0	0.49	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene Chloride	ND	1.0	ND	0.29
76-13-1	Trichlorotrifluoroethane	3.5	1.0	0.45	0.13
75-15-0	Carbon Disulfide	8.1	1.0	2.6	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	2.6	1.0	0.65	0.25
1634-04-4	Methyl tert-Butyl Ether	1.5	1.0	0.41	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	1.9	1.0	0.63	0.34
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
67-66-3	Chloroform	18	1.0	3.7	0.20
107-06-2	1,2-Dichloroethane	18	1.0	4.4	0.25
71-55-6	1,1,1-Trichloroethane	56	1.0	10	0.18
71-43-2	Benzene	ND	1.0	ND	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC Environmental Corporation

Client Sample ID : WD1-VW32-18-01
PAI Sample ID : P9800208-005

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/24/98
Volume(s) Analyzed : 1.000 (liters)

Pi 1 = 0.1
Pf 1 = 3.5

D.F. = 1.23

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	11	1.0	1.6	0.15
79-01-6	Trichloroethene	2.9	1.0	0.55	0.19
10061-02-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-Pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	1.4	1.0	0.38	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	5.3	1.0	0.62	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	10	1.0	1.5	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	ND	1.0	ND	0.23
1330-20-7	m- & p-Xylene	1.1	1.0	0.25	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.23
95-47-6	o-Xylene	ND	1.0	ND	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/5/98

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC Environmental Corporation

Client Sample ID : WD1-VW32-35-01
PAI Sample ID : P9800208-006

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/23/98
Volume(s) Analyzed : 1.000 (liters)

Pi 1 = 0.3
Pf 1 = 3.5
D.F. = 1.21

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	37	1.0	15	0.42
75-69-4	Trichlorofluoromethane	2.8	1.0	0.50	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene Chloride	ND	1.0	ND	0.29
76-13-1	Trichlorotrifluoroethane	5.3	1.0	0.69	0.13
75-15-0	Carbon Disulfide	25	1.0	7.9	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	1.3	1.0	0.35	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	31	1.0	10	0.34
156-59-2	cis-1,2-Dichloroethene	2.3	1.0	0.57	0.25
67-66-3	Chloroform	14	1.0	2.9	0.20
107-06-2	1,2-Dichloroethane	4.2	1.0	1.0	0.25
71-55-6	1,1,1-Trichloroethane	21	1.0	3.9	0.18
71-43-2	Benzene	0.61 TR	1.0	0.19 TR	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC Environmental Corporation

Client Sample ID : WD1-VW32-35-01
PAI Sample ID : P9800208-006

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/23/98
Volume(s) Analyzed : 1.000 (liters)

Pi 1 = 0.3
Pf 1 = 3.5
D.F. = 1.21

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	4.5	1.0	0.68	0.15
79-01-6	Trichloroethene	6.5	1.0	1.2	0.19
10061-02-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-Pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	2.9	1.0	0.76	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	1.1	1.0	0.13	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	8.8	1.0	1.3	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	ND	1.0	ND	0.23
1330-20-7	m- & p-Xylene	2.0	1.0	0.46	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.23
95-47-6	o-Xylene	0.68 TR	1.0	0.16 TR	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/5/98

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC Environmental Corporation

Client Sample ID : WD1-VW25-35-01
PAI Sample ID : P9800208-007

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/23/98
Volume(s) Analyzed : 0.0020 (liters)

Pi 1 = 0.2
Pf 1 = 3.5
D.F. = 1.22

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb	
74-87-3	Chloromethane	ND	500	ND	240	
75-01-4	Vinyl Chloride	ND	500	ND	200	
74-83-9	Bromomethane	ND	500	ND	130	
75-00-3	Chloroethane	ND	500	ND	190	
67-64-1	Acetone	ND	500	ND	210	
75-69-4	Trichlorofluoromethane	ND	500	ND	89	
75-35-4	1,1-Dichloroethene	ND	500	ND	130	(1)
75-09-2	Methylene Chloride	ND	500	ND	140	
76-13-1	Trichlorotrifluoroethane	ND	500	ND	65	
75-15-0	Carbon Disulfide	ND	500	ND	160	
156-60-5	trans-1,2-Dichloroethene	ND	500	ND	130	
75-34-3	1,1-Dichloroethane	ND	500	ND	120	
1634-04-4	Methyl tert-Butyl Ether	ND	500	ND	140	
108-05-4	Vinyl Acetate	ND	500	ND	140	
78-93-3	2-Butanone	ND	500	ND	170	
156-59-2	cis-1,2-Dichloroethene	ND	500	ND	130	
67-66-3	Chloroform	ND	500	ND	100	
107-06-2	1,2-Dichloroethane	ND	500	ND	120	(1)
71-55-6	1,1,1-Trichloroethane	ND	500	ND	92	
71-43-2	Benzene	700	500	220	160	
56-23-5	Carbon Tetrachloride	ND	500	ND	80	
78-87-5	1,2-Dichloropropane	ND	500	ND	110	

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC Environmental Corporation

Client Sample ID : WD1-VW25-35-01
PAI Sample ID : P9800208-007

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/23/98
Volume(s) Analyzed : 0.0020 (liters)

Pi 1 = 0.2
Pf 1 = 3.5
D.F. = 1.22

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb	
75-27-4	Bromodichloromethane	ND	500	ND	75	
79-01-6	Trichloroethene	ND	500	ND	93	(1)
10061-02-5	cis-1,3-Dichloropropene	ND	500	ND	110	
108-10-1	4-Methyl-2-Pentanone	ND	500	ND	120	
10061-02-6	trans-1,3-Dichloropropene	ND	500	ND	110	
79-00-5	1,1,2-Trichloroethane	ND	500	ND	92	
108-88-3	Toluene	18,000	500	4,700	130	
591-78-6	2-Hexanone	ND	500	ND	120	
124-48-1	Dibromochloromethane	ND	500	ND	59	
106-93-4	1,2-Dibromoethane	ND	500	ND	65	
127-18-4	Tetrachloroethene	ND	500	ND	74	(1)
108-90-7	Chlorobenzene	ND	500	ND	110	
100-41-4	Ethylbenzene	2,600	500	610	120	
1330-20-7	m- & p-Xylene	7,600	500	1,800	120	
75-25-2	Bromoform	ND	500	ND	48	
100-42-5	Styrene	ND	500	ND	120	
95-47-6	o-Xylene	2,400	500	550	120	
79-34-5	1,1,2,2-Tetrachloroethane	ND	500	ND	73	
541-73-1	1,3-Dichlorobenzene	ND	500	ND	83	
106-46-7	1,4-Dichlorobenzene	ND	500	ND	83	
95-50-1	1,2-Dichlorobenzene	ND	500	ND	83	

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC Environmental Corporation

Client Sample ID : WD1-VWFD25-35-01
PAI Sample ID : P9800208-008

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/24/98
Volume(s) Analyzed : 0.0020 (liters)

Pi 1 = 0.1
Pf 1 = 3.5
D.F. = 1.23

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb	
74-87-3	Chloromethane	ND	500	ND	240	
75-01-4	Vinyl Chloride	ND	500	ND	200	
74-83-9	Bromomethane	ND	500	ND	130	
75-00-3	Chloroethane	ND	500	ND	190	
67-64-1	Acetone	ND	500	ND	210	
75-69-4	Trichlorofluoromethane	ND	500	ND	89	
75-35-4	1,1-Dichloroethene	ND	500	ND	130	(1)
75-09-2	Methylene Chloride	ND	500	ND	140	
76-13-1	Trichlorotrifluoroethane	ND	500	ND	65	
75-15-0	Carbon Disulfide	ND	500	ND	160	
156-60-5	trans-1,2-Dichloroethene	ND	500	ND	130	
75-34-3	1,1-Dichloroethane	ND	500	ND	120	
1634-04-4	Methyl tert-Butyl Ether	ND	500	ND	140	
108-05-4	Vinyl Acetate	ND	500	ND	140	
78-93-3	2-Butanone	ND	500	ND	170	
156-59-2	cis-1,2-Dichloroethene	ND	500	ND	130	
67-66-3	Chloroform	ND	500	ND	100	
107-06-2	1,2-Dichloroethane	ND	500	ND	120	(1)
71-55-6	1,1,1-Trichloroethane	ND	500	ND	92	
71-43-2	Benzene	ND	500	ND	160	
56-23-5	Carbon Tetrachloride	ND	500	ND	80	
78-87-5	1,2-Dichloropropane	ND	500	ND	110	

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC Environmental Corporation

Client Sample ID : WD1-VWFD25-35-01
PAI Sample ID : P9800208-008

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/24/98
Volume(s) Analyzed : 0.0020 (liters)

Pi 1 = 0.1
Pf 1 = 3.5
D.F. = 1.23

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb	
75-27-4	Bromodichloromethane	ND	500	ND	75	
79-01-6	Trichloroethene	ND	500	ND	93	(1)
10061-02-5	cis-1,3-Dichloropropene	ND	500	ND	110	
108-10-1	4-Methyl-2-Pentanone	ND	500	ND	120	
10061-02-6	trans-1,3-Dichloropropene	ND	500	ND	110	
79-00-5	1,1,2-Trichloroethane	ND	500	ND	92	
108-88-3	Toluene	ND	500	ND	130	
591-78-6	2-Hexanone	ND	500	ND	120	
124-48-1	Dibromochloromethane	ND	500	ND	59	
106-93-4	1,2-Dibromoethane	ND	500	ND	65	
127-18-4	Tetrachloroethene	ND	500	ND	74	(1)
108-90-7	Chlorobenzene	ND	500	ND	110	
100-41-4	Ethylbenzene	ND	500	ND	120	
1330-20-7	m- & p-Xylene	ND	500	ND	120	
75-25-2	Bromoform	ND	500	ND	48	
100-42-5	Styrene	ND	500	ND	120	
95-47-6	o-Xylene	ND	500	ND	120	
79-34-5	1,1,2,2-Tetrachloroethane	ND	500	ND	73	
541-73-1	1,3-Dichlorobenzene	ND	500	ND	83	
106-46-7	1,4-Dichlorobenzene	ND	500	ND	83	
95-50-1	1,2-Dichlorobenzene	ND	500	ND	83	

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/5/98

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC Environmental Corporation

Client Sample ID : WD1-VWFB25-35-01
PAI Sample ID : P9800208-009

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/23/98
Volume(s) Analyzed : 1.000 (liters)

Pi 1 = -14.5
Pf 1 = 3.5
D.F. = 1.00

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	4.7	1.0	2.0	0.42
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene Chloride	ND	1.0	ND	0.29
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	0.85 TR	1.0	0.29 TR	0.34
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
67-66-3	Chloroform	ND	1.0	ND	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18
71-43-2	Benzene	ND	1.0	ND	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC Environmental Corporation

Client Sample ID : WD1-VWFB25-35-01
PAI Sample ID : P9800208-009

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/23/98
Volume(s) Analyzed : 1.000 (liters)

Pi 1 = -14.5
Pf 1 = 3.5
D.F. = 1.00

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-02-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-Pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	11	1.0	2.9	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	2.0	1.0	0.47	0.23
1330-20-7	m- & p-Xylene	8.4	1.0	1.9	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.23
95-47-6	o-Xylene	2.8	1.0	0.65	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC Environmental Corporation

Client Sample ID : WD1-VW26-35-01
PAI Sample ID : P9800208-010

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/24/98
Volume(s) Analyzed : 1.000 (liters)
0.200 (liters)

Pi 1 = 0.0
Pf 1 = 3.5

D.F. = 1.24

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	0.64 TR	1.0	0.31 TR	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	5.2	1.0	2.2	0.42
75-69-4	Trichlorofluoromethane	4.8	1.0	0.85	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene Chloride	ND	1.0	ND	0.29
76-13-1	Trichlorotrifluoroethane	2.5	1.0	0.33	0.13
75-15-0	Carbon Disulfide	2.9	1.0	0.93	0.32
156-60-5	trans-1,2-Dichloroethene	3.8	1.0	0.97	0.25
75-34-3	1,1-Dichloroethane	13	1.0	3.3	0.25
1634-04-4	Methyl tert-Butyl Ether	0.74 TR	1.0	0.21 TR	0.28
108-05-4	Vinyl Acetate	4.0	1.0	1.1	0.28
78-93-3	2-Butanone	0.94 TR	1.0	0.32 TR	0.34
156-59-2	cis-1,2-Dichloroethene	420	1.0	110	0.25
67-66-3	Chloroform	4.2	1.0	0.86	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	4.9	1.0	0.89	0.18
71-43-2	Benzene	ND	1.0	ND	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC Environmental Corporation

Client Sample ID : WD1-VW26-35-01
PAI Sample ID : P9800208-010

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/24/98
Volume(s) Analyzed : 1.000 (liters)
0.200 (liters)

Pi 1 = 0.0
Pf 1 = 3.5
D.F. = 1.24

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	450	1.0	83	0.19
10061-02-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-Pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	2.1	1.0	0.56	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	130	1.0	19	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	ND	1.0	ND	0.23
1330-20-7	m- & p-Xylene	1.4	1.0	0.33	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.23
95-47-6	o-Xylene	ND	1.0	ND	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

(C1)

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC Environmental Corporation

Client Sample ID : WD1-VW31-10-01
PAI Sample ID : P9800208-011

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/24/98
Volume(s) Analyzed : 1.000 (liters)
0.200 (liters)

Pi 1 = -0.1
Pf 1 = 3.5

D.F. = 1.25

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	0.63 TR	1.0	0.30 TR	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	14	1.0	6.1	0.42
75-69-4	Trichlorofluoromethane	4.3	1.0	0.77	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene Chloride	1.2	1.0	0.35	0.29
76-13-1	Trichlorotrifluoroethane	6.5	1.0	0.85	0.13
75-15-0	Carbon Disulfide	11	1.0	3.6	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	2.5	1.0	0.68	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	2.1	1.0	0.72	0.34
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
67-66-3	Chloroform	14	1.0	2.8	0.20
107-06-2	1,2-Dichloroethane	1.5	1.0	0.36	0.25
71-55-6	1,1,1-Trichloroethane	360	1.0	67	0.18
71-43-2	Benzene	ND	1.0	ND	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC Environmental Corporation

Client Sample ID : WD1-VW31-10-01
PAI Sample ID : P9800208-011

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/24/98
Volume(s) Analyzed : 1.000 (liters)
0.200 (liters)

Pi 1 = -0.1
Pf 1 = 3.5

D.F. = 1.25

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	3.2	1.0	0.48	0.15
79-01-6	Trichloroethene	2.4	1.0	0.45	0.19
10061-02-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-Pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	3.1	1.0	0.82	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	3.6	1.0	0.42	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	110	1.0	17	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	ND	1.0	ND	0.23
1330-20-7	m- & p-Xylene	1.9	1.0	0.43	0.23
75-25-2	Bromoform	1.1	1.0	0.11	0.10
100-42-5	Styrene	ND	1.0	ND	0.23
95-47-6	o-Xylene	ND	1.0	ND	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/5/98

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC Environmental Corporation

Client Sample ID : WD1-VW31-10-01
PAI Sample ID : P9800208-011 (Laboratory Duplicate)

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/24/98
Volume(s) Analyzed : 1.000 (liters)
0.200 (liters)

Pi 1 = -0.1
Pf 1 = 3.5

D.F. = 1.25

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	0.59 TR	1.0	0.28 TR	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	15	1.0	6.2	0.42
75-69-4	Trichlorofluoromethane	4.0	1.0	0.71	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene Chloride	1.1	1.0	0.32	0.29
76-13-1	Trichlorotrifluoroethane	6.2	1.0	0.81	0.13
75-15-0	Carbon Disulfide	11	1.0	3.5	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	2.3	1.0	0.65	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	1.7	1.0	0.58	0.34
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
67-66-3	Chloroform	13	1.0	2.8	0.20
107-06-2	1,2-Dichloroethane	1.5	1.0	0.37	0.25
71-55-6	1,1,1-Trichloroethane	370	1.0	68	0.18
71-43-2	Benzene	ND	1.0	ND	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC Environmental Corporation

Client Sample ID : WD1-VW31-10-01
PAI Sample ID : P9800208-011 (Laboratory Duplicate)

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/24/98
Volume(s) Analyzed : 1.000 (liters)
0.200 (liters)

Pi 1 = -0.1
Pf 1 = 3.5
D.F. = 1.25

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	3.4	1.0	0.51	0.15
79-01-6	Trichloroethene	2.4	1.0	0.45	0.19
10061-02-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-Pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	3.2	1.0	0.85	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	3.5	1.0	0.41	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	110	1.0	17	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	ND	1.0	ND	0.23
1330-20-7	m- & p-Xylene	1.8	1.0	0.42	0.23
75-25-2	Bromoform	1.1	1.0	0.10	0.10
100-42-5	Styrene	ND	1.0	ND	0.23
95-47-6	o-Xylene	ND	1.0	ND	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC Environmental Corporation

Client Sample ID : WD1-VW31-30-01
PAI Sample ID : P9800208-012

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/24/98
Volume(s) Analyzed : 1.000 (liters)
0.200 (liters)

Pi 1 = 0.1
Pf 1 = 3.5
D.F. = 1.23

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	11	1.0	4.5	0.42
75-69-4	Trichlorofluoromethane	5.3	1.0	0.94	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene Chloride	ND	1.0	ND	0.29
76-13-1	Trichlorotrifluoroethane	9.5	1.0	1.2	0.13
75-15-0	Carbon Disulfide	6.9	1.0	2.2	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	2.3	1.0	0.56	0.25
1634-04-4	Methyl tert-Butyl Ether	2.1	1.0	0.59	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	1.2	1.0	0.41	0.34
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
67-66-3	Chloroform	3.3	1.0	0.69	0.20
107-06-2	1,2-Dichloroethane	1.5	1.0	0.37	0.25
71-55-6	1,1,1-Trichloroethane	46	1.0	8.4	0.18
71-43-2	Benzene	0.71 TR	1.0	0.22 TR	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC Environmental Corporation

Client Sample ID : WD1-VW31-30-01
PAI Sample ID : P9800208-012

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/24/98
Volume(s) Analyzed : 1.000 (liters)
0.200 (liters)

Pi 1 = 0.1
Pf 1 = 3.5
D.F. = 1.23

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	1.9	1.0	0.28	0.15
79-01-6	Trichloroethene	42	1.0	7.8	0.19
10061-02-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-Pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	2.1	1.0	0.56	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	1.2	1.0	0.14	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	270	1.0	39	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	ND	1.0	ND	0.23
1330-20-7	m- & p-Xylene	1.5	1.0	0.35	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.23
95-47-6	o-Xylene	2.2	1.0	0.50	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	0.64 TR	1.0	0.11 TR	0.17
106-46-7	1,4-Dichlorobenzene	1.7	1.0	0.28	0.17
95-50-1	1,2-Dichlorobenzene	3.0	1.0	0.49	0.17

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC Environmental Corporation

Client Sample ID : WD1-VW12-34-01
PAI Sample ID : P9800208-013

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/24/98
Volume(s) Analyzed : 1.000 (liters)
0.200 (liters)

Pi 1 = 0.0
Pf 1 = 3.4
D.F. = 1.23

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	24	1.0	9.9	0.42
75-69-4	Trichlorofluoromethane	2.5	1.0	0.45	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene Chloride	ND	1.0	ND	0.29
76-13-1	Trichlorotrifluoroethane	4.3	1.0	0.56	0.13
75-15-0	Carbon Disulfide	19	1.0	6.3	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	1.0	1.0	0.29	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	17	1.0	5.8	0.34
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
67-66-3	Chloroform	ND	1.0	ND	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18
71-43-2	Benzene	ND	1.0	ND	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC Environmental Corporation

Client Sample ID : WD1-VW12-34-01
PAI Sample ID : P9800208-013

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/24/98
Volume(s) Analyzed : 1.000 (liters)
0.200 (liters)

Pi 1 = 0.0
Pf 1 = 3.4
D.F. = 1.23

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	6.9	1.0	1.3	0.19
10061-02-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-Pentanone	1.8	1.0	0.44	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	6.1	1.0	1.6	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	260	1.0	38	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	1.1	1.0	0.26	0.23
1330-20-7	m- & p-Xylene	3.3	1.0	0.76	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.23
95-47-6	o-Xylene	1.0	1.0	0.24	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1339 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC Environmental Corporation

Client Sample ID : WD1-VW24-35-01
PAI Sample ID : P9800208-014

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/24/98
Volume(s) Analyzed : 1.000 (liters)

Pi 1 = 0.0
Pf 1 = 3.4
D.F. = 1.23

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	7.7	1.0	3.2	0.42
75-69-4	Trichlorofluoromethane	4.8	1.0	0.85	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene Chloride	ND	1.0	ND	0.29
76-13-1	Trichlorotrifluoroethane	4.9	1.0	0.65	0.13
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	0.96 TR	1.0	0.27 TR	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	2.3	1.0	0.77	0.34
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
67-66-3	Chloroform	2.0	1.0	0.42	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	0.91 TR	1.0	0.17 TR	0.18
71-43-2	Benzene	1.2	1.0	0.39	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC Environmental Corporation

Client Sample ID : WD1-VW24-35-01
PAI Sample ID : P9800208-014

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/24/98
Volume(s) Analyzed : 1.000 (liters)

Pi 1 = 0.0
Pf 1 = 3.4
D.F. = 1.23

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	36	1.0	6.6	0.19
10061-02-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-Pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	5.3	1.0	1.4	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	50	1.0	7.3	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	1.3	1.0	0.31	0.23
1330-20-7	m- & p-Xylene	5.4	1.0	1.2	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.23
95-47-6	o-Xylene	1.8	1.0	0.41	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC Environmental Corporation

Client Sample ID : WD1-VW23-36-01
PAI Sample ID : P9800208-015

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/24/98
Volume(s) Analyzed : 1.000 (liters)
0.020 (liters)

Pi 1 = 0.0
Pf 1 = 3.4
D.F. = 1.23

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	90	1.0	35	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	240	1.0	100	0.42
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18
75-35-4	1,1-Dichloroethene	150	1.0	37	0.25
75-09-2	Methylene Chloride	ND	1.0	ND	0.29
76-13-1	Trichlorotrifluoroethane	4.0	1.0	0.52	0.13
75-15-0	Carbon Disulfide	2.0	1.0	0.63	0.32
156-60-5	trans-1,2-Dichloroethene	180	1.0	45	0.25
75-34-3	1,1-Dichloroethane	81	1.0	20	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	ND	1.0	ND	0.34
156-59-2	cis-1,2-Dichloroethene	530	1.0	130	0.25
67-66-3	Chloroform	6.0	1.0	1.2	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	5.0	1.0	0.91	0.18
71-43-2	Benzene	3.5	1.0	1.1	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/5/98

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC Environmental Corporation

Client Sample ID : WD1-VW23-36-01
PAI Sample ID : P9800208-015

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/24/98
Volume(s) Analyzed : 1.000 (liters)
0.020 (liters)

Pi 1 = 0.0
Pf 1 = 3.4
D.F. = 1.23

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	4,900	1.0	910	0.19
10061-02-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-Pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	4.4	1.0	1.2	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	150	1.0	22	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	0.91 TR	1.0	0.21 TR	0.23
1330-20-7	m- & p-Xylene	2.9	1.0	0.66	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.23
95-47-6	o-Xylene	2.3	1.0	0.53	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/5/98

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC Environmental Corporation

Client Sample ID : WD1-VW33-10-01
PAI Sample ID : P9800208-016

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/24/98
Volume(s) Analyzed : 1.000 (liters)
0.100 (liters)

Pi 1 = -1.1
Pf 1 = 3.2
D.F. = 1.32

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	4.2	1.0	1.8	0.42
75-69-4	Trichlorofluoromethane	1.1	1.0	0.20	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene Chloride	3.3	1.0	0.96	0.29
76-13-1	Trichlorotrifluoroethane	2.4	1.0	0.31	0.13
75-15-0	Carbon Disulfide	3.6	1.0	1.2	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	1.5	1.0	0.37	0.25
1634-04-4	Methyl tert-Butyl Ether	4.6	1.0	1.3	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	2.5	1.0	0.86	0.34
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
67-66-3	Chloroform	77	1.0	16	0.20
107-06-2	1,2-Dichloroethane	19	1.0	4.6	0.25
71-55-6	1,1,1-Trichloroethane	880	1.0	160	0.18
71-43-2	Benzene	ND	1.0	ND	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC Environmental Corporation

Client Sample ID : WD1-VW33-10-01
PAI Sample ID : P9800208-016

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/24/98
Volume(s) Analyzed : 1.000 (liters)
0.100 (liters)

Pi 1 = -1.1
Pf 1 = 3.2
D.F. = 1.32

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	86	1.0	13	0.15
79-01-6	Trichloroethene	6.7	1.0	1.2	0.19
10061-02-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-Pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	3.6	1.0	0.94	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	57	1.0	6.7	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	5.9	1.0	0.87	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	0.66 TR	1.0	0.15 TR	0.23
1330-20-7	m- & p-Xylene	2.5	1.0	0.57	0.23
75-25-2	Bromoform	15	1.0	1.5	0.10
100-42-5	Styrene	ND	1.0	ND	0.23
95-47-6	o-Xylene	0.94 TR	1.0	0.22 TR	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC Environmental Corporation

Client Sample ID : WD1-VW33-35-01
PAI Sample ID : P9800208-017

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/24/98
Volume(s) Analyzed : 1.000 (liters)
0.050 (liters)

Pi 1 = 0.0
Pf 1 = 3.5
D.F. = 1.24

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	20	1.0	8.4	0.42
75-69-4	Trichlorofluoromethane	1.8	1.0	0.33	0.18
75-35-4	1,1-Dichloroethene	0.71 TR	1.0	0.18 TR	0.25
75-09-2	Methylene Chloride	ND	1.0	ND	0.29
76-13-1	Trichlorotrifluoroethane	13	1.0	1.7	0.13
75-15-0	Carbon Disulfide	5.4	1.0	1.7	0.32
156-60-5	trans-1,2-Dichloroethene	1.8	1.0	0.44	0.25
75-34-3	1,1-Dichloroethane	5.0	1.0	1.2	0.25
1634-04-4	Methyl tert-Butyl Ether	0.66 TR	1.0	0.18 TR	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	1.6	1.0	0.55	0.34
156-59-2	cis-1,2-Dichloroethene	7.8	1.0	2.0	0.25
67-66-3	Chloroform	44	1.0	9.0	0.20
107-06-2	1,2-Dichloroethane	0.69 TR	1.0	0.17 TR	0.25
71-55-6	1,1,1-Trichloroethane	110	1.0	20	0.18
71-43-2	Benzene	3.5	1.0	1.1	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RCS **Date:** 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC Environmental Corporation

Client Sample ID : WD1-VW33-35-01
PAI Sample ID : P9800208-017

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/5/98
Date Received : 2/9/98
Date Analyzed : 2/24/98
Volume(s) Analyzed : 1.000 (liters)
0.050 (liters)

Pi 1 = 0.0
Pf 1 = 3.5
D.F. = 1.24

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	2,300	1.0	420	0.19
10061-02-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-Pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	4.0	1.0	1.1	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	120	1.0	18	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	ND	1.0	ND	0.23
1330-20-7	m- & p-Xylene	1.1	1.0	0.25	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.23
95-47-6	o-Xylene	ND	1.0	ND	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC Environmental Corporation

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 2/23/98
Volume(s) Analyzed : 1.000 (liters)

Pi 1 = N/A
Pf 1 = N/A
D.F. = 1.00

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	ND	1.0	ND	0.42
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene Chloride	ND	1.0	ND	0.29
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	ND	1.0	ND	0.34
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
67-66-3	Chloroform	ND	1.0	ND	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18
71-43-2	Benzene	ND	1.0	ND	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/5/98

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC Environmental Corporation

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 2/23/98
Volume(s) Analyzed : 1.000 (liters)

Pi 1 = N/A
Pf 1 = N/A
D.F. = 1.00

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-02-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-Pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	ND	1.0	ND	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	ND	1.0	ND	0.23
1330-20-7	m- & p-Xylene	ND	1.0	ND	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.23
95-47-6	o-Xylene	ND	1.0	ND	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC Environmental Corporation

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 2/24/98
Volume(s) Analyzed : 1.000 (liters)

Pi 1 = N/A
Pf 1 = N/A
D.F. = 1.00

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	ND	1.0	ND	0.42
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene Chloride	ND	1.0	ND	0.29
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	ND	1.0	ND	0.34
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
67-66-3	Chloroform	ND	1.0	ND	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18
71-43-2	Benzene	ND	1.0	ND	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC Environmental Corporation

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 2/24/98
Volume(s) Analyzed : 1.000 (liters)

Pi 1 = N/A
Pf 1 = N/A
D.F. = 1.00

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-02-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-Pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	ND	1.0	ND	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	ND	1.0	ND	0.23
1330-20-7	m- & p-Xylene	ND	1.0	ND	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.23
95-47-6	o-Xylene	ND	1.0	ND	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/5/98

Ship To: VOC Analytical
Attn: Sample Control
801 Western
Glendale CA

Page 1 of 2
Project Name: WDI
Project No.: 94-256
Site Location: Santa Fe Springs CA
Date: 2/5/98

CHAIN OF CUSTODY RECORD

P9800208

G9802139

	Boring/Well No.	Sample No.	Depth	Date	Time	Sample Type: Water	Sample Type: Solid	Sample Type: Other	Comp.	Grab.	Sample Containers: Vol.	No.	Type	Pres.	Analysis: TO-15	Methanol	NMHC					Remarks
-001	WDI-VW	50-8-01		2/5/98	0820			Air			6L	1	Sums	–	X	X	X					83
-002	WDI-VW	50-18-01		↓	0826			↓			↓	1	↓		X	X	X					45
-003	WDI-VW5	0-35-01		↓	0840			↓			↓	1	↓		X	X	X					85
-004	WDI-VW32	-8-01		2/5/98	0954			Air			6L	1	Sums		X	X	X					275 WD1-VW32-7.5-01
-005	WDI-VW32	-18-01		↓	0928			↓			↓	1	↓		X	X	X					1105
-006	WDI-VW32	-35-01		↓	1006			↓			↓	1	↓		X	X	X					487
-007	WDI-VW25-	35-01		2/5/98	1040			Air			6L	1	Sums		X	X	X					412
-008	WDI-VW FD	25-35-01		↓	1040			↓			↓	1	↓		X	X	X					292
-009	WDI-VWFB	25-35-01		↓	–			↓			↓	1	↓		X	X	X					ADD NITROGEN - ANALYZE AS USUAL 48[illegible]
-010	WDI-VW2	6-35-01		2/5/98	1245			Air			6L	1	Sums		X	X	X					384
-011	WDI-VW31-	10-01		2/5/98	1334			Air			6L	1	Sums		X	X	X					306
-012	WDI-VW31-	30-01		"	1334			"			"	1	"		X	X	X					131
-013	WDI-VW12	-34-01		2/5/98	1404			Air			6L	1	Sums		X	X	X					427
-014	WDI-VW24	-35-01		2/5/98	1435			Air			6L	1	Sums		X	X	X					548
-015	WDI-VW23	-36-01		2/5/98	1514			Air			6L	1	Sums		X	X	X					592

Total Number of Samples Shipped: 17 Shipper's Signature: Glenn Androsko

	Signature	Company	Date	Time
Relinquished by:	Glenn Androsko	TRC	2/5/98	4:25
Received by:	A. Makijan	ARIA	2-5-98	4:25
Relinquished by:	ARIA		2/5/98	1800
Received by:	Sharon Malone	VOC	2/5/98	1800
Relinquished by:				
Received by:	Robert D To	Performance Analytical Inc.	2/9/98	10:45 AM.

Special Instructions / Shipment / Handling/ Storage Requirements:

Send results attn Roberto Puga

The material(s) listed are received for analysis and/or treatability evaluation and remain the property of the client and not Environmental Solutions, Inc. At the conclusion of the test work, all remaining material(s) will be returned to the client for eventual disposal at a licensed facility.

☒ ENVIRONMENTAL SOLUTIONS, INC.
21 Technology Drive
Irvine, California 92718
(714) 727-9336

☐ ENVIRONMENTAL SOLUTIONS, INC.
1172 Pelican Bay Drive
Daytona Beach, Florida 32119

☐ ENVIRONMENTAL SOLUTIONS, INC.
1201 N. McDowell Boulevard
Petaluma, California 94954

☐ ENVIRONMENTAL SOLUTIONS, INC.
2815 Mitchell Drive, Suite 103
Walnut Creek, California 94598

Ship To: VOC
Attn:
Glendale CA

Page 2 of 2
Project Name: WDI
Project No.: 94256
Site Location: SFS, Ca
Date: 2/5/98

CHAIN OF CUSTODY RECORD

P9800208
G9802139

	Boring/Well No.	Sample No.	Depth	Date	Time	Sample Type: Water	Sample Type: Solid	Sample Type: Other	Comp.	Grab.	Sample Containers: Vol.	Sample Containers: No.	Sample Containers: Type	Sample Containers: Pres.	Analysis: TO-15	Analysis: Methane	Analysis: NMHC					Remarks
-016	WDI-VW	33-10-01		2/5/98	1544			Air			6L	1	Sum		X	X	X					454
-017	WDI-VW	33-35-01		"	1549			"			"	1	"		X	X	X					494

Total Number of Samples Shipped: 17 Shipper's Signature: Glenn Androsko

	Signature	Company	Date	Time
Relinquished by:	Glenn Androsko	TRC	2/5/98	
Received by:	[illegible]	ARIA	2-5-98	4:25
Relinquished by:		ARIA	2-5-98	1800
Received by:	Sharon Malone	VOC	2-5-98	1800
Relinquished by:				
Received by:	[illegible]	Performance Analytical Inc.	2/9/98	10:45 AM

Special Instructions / Shipment / Handling/ Storage Requirements:

The material(s) listed are received for analysis and/or treatability evaluation and remain the property of the client and not Environmental Solutions, Inc. At the conclusion of the test work, all remaining material(s) will be returned to the client for eventual disposal at a licensed facility.

☒ ENVIRONMENTAL SOLUTIONS, INC.
21 Technology Drive
Irvine, California 92718

☐ ENVIRONMENTAL SOLUTIONS, INC.
1172 Pelican Bay Drive
Daytona Beach, Florida 32119

☐ ENVIRONMENTAL SOLUTIONS, INC.
1201 N. McDowell Boulevard
Petaluma, California 94954

☐ ENVIRONMENTAL SOLUTIONS, INC.
2815 Mitchell Drive, Suite 103
Walnut Creek, California 94598

PAGE 40 PERFORMANCE 03/06/1998 12:38 PAGE 40

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW22-35-01
PAI Sample ID : P9800225-001

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/11/98
Date Analyzed : 2/20/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = 0.0 Pf 1 = 3.5

D.F. = 1.24

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	0.84	0.50
	Total Non-Methane Organics (as Methane)	75	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW22-35-01
PAI Sample ID : P9800225-001 Laboratory Duplicate

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/11/98
Date Analyzed : 2/20/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = 0.0 Pf 1 = 3.5

D.F. = 1.24

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	0.78	0.50
	Total Non-Methane Organics (as Methane)	76	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW20-35-01
PAI Sample ID : P9800225-002

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/11/98
Date Analyzed : 2/20/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = -0.3 Pf 1 = 3.4

D.F. = 1.26

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	ND	0.50
	Total Non-Methane Organics (as Methane)	80	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW49-10-01
PAI Sample ID : P9800225-003

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/11/98
Date Analyzed : 2/20/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = 0.0 Pf 1 = 3.5

D.F. = 1.24

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	2.6	0.50
	Total Non-Methane Organics (as Methane)	49	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VWFD49-10-01
PAI Sample ID : P9800225-004

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/11/98
Date Analyzed : 2/20/98
Volume(s) Analyzed : 0.50 ml

Pi l = 0.0 Pf l = 3.5

D.F. = 1.24

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	2.4	0.50
	Total Non-Methane Organics (as Methane)	49	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW49-18-01
PAI Sample ID : P9800225-005

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/11/98
Date Analyzed : 2/20/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = 0.0 Pf 1 = 3.5

D.F. = 1.24

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	ND	0.50
	Total Non-Methane Organics (as Methane)	100	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW49-30-01
PAI Sample ID : P9800225-006

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/11/98
Date Analyzed : 2/20/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = 0.2 Pf 1 = 3.5
D.F. = 1.22

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	ND	0.50
	Total Non-Methane Organics (as Methane)	100	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VWFB49-30-01
PAI Sample ID : P9800225-007

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/11/98
Date Analyzed : 2/20/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = 10.8 Pf 1 = 10.8

D.F. = 1.00

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	ND	0.50
	Total Non-Methane Organics (as Methane)	ND	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW10-35-01
PAI Sample ID : P9800225-008

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/11/98
Date Analyzed : 2/20/98
Volume(s) Analyzed : 0.50 ml
0.062 ml

Pi 1 = 0.0 Pf 1 = 3.5

D.F. = 1.24

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	5,600	0.50
	Total Non-Methane Organics (as Methane)	160	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW16-34-01
PAI Sample ID : P9800225-009

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/11/98
Date Analyzed : 2/20/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = 0.1 Pf 1 = 3.5

D.F. = 1.23

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	ND	0.50
	Total Non-Methane Organics (as Methane)	32	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW06-34-01
PAI Sample ID : P9800225-010

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/11/98
Date Analyzed : 2/20/98
Volume(s) Analyzed : 0.062 ml

Pi 1 = 0.1 Pf 1 = 3.6

D.F. = 1.24

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	53,000	4.0
	Total Non-Methane Organics (as Methane)	390	8.1

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : N/A
PAI Sample ID : PAI Method Blank

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 2/20/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = 0.0 Pf 1 = 0.0

D.F. = 1.00

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	ND	0.50
	Total Non-Methane Organics (as Methane)	ND	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW22-35-01
PAI Sample ID : P9800225-001

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/11/98
Date Analyzed : 3/10/98, 3/12/98
Volume(s) Analyzed : 0.050 (liters)
0.0050 (liters)

Pi 1 = 0.0
Pf 1 = 3.5
D.F. = 1.24

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb	
74-87-3	Chloromethane	ND	20	ND	9.7	
75-01-4	Vinyl Chloride	ND	20	ND	7.8	
74-83-9	Bromomethane	ND	20	ND	5.2	
75-00-3	Chloroethane	ND	20	ND	7.6	
67-64-1	Acetone	ND	20	ND	8.4	
75-69-4	Trichlorofluoromethane	ND	20	ND	3.6	
75-35-4	1,1-Dichloroethene	ND	20	ND	5.0	(1)
75-09-2	Methylene Chloride	ND	20	ND	5.8	
76-13-1	Trichlorotrifluoroethane	ND	20	ND	2.6	
75-15-0	Carbon Disulfide	ND	20	ND	6.4	
156-60-5	trans-1,2-Dichloroethene	ND	20	ND	5.0	
75-34-3	1,1-Dichloroethane	ND	20	ND	4.9	
1634-04-4	Methyl tert-Butyl Ether	ND	20	ND	5.5	
108-05-4	Vinyl Acetate	ND	20	ND	5.7	
78-93-3	2-Butanone	ND	20	ND	6.8	
156-59-2	cis-1,2-Dichloroethene	ND	20	ND	5.0	
67-66-3	Chloroform	24	20	5.0	4.1	
107-06-2	1,2-Dichloroethane	ND	20	ND	4.9	(1)
71-55-6	1,1,1-Trichloroethane	42	20	7.6	3.7	
71-43-2	Benzene	ND	20	ND	6.3	
56-23-5	Carbon Tetrachloride	ND	20	ND	3.2	
78-87-5	1,2-Dichloropropane	ND	20	ND	4.3	

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/12/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW22-35-01
PAI Sample ID : P9800225-001

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/11/98
Date Analyzed : 3/10/98, 3/12/98
Volume(s) Analyzed : 0.050 (liters)
0.0050 (liters)

Pi 1 = 0.0
Pf 1 = 3.5

D.F. = 1.24

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	20	ND	3.0
79-01-6	Trichloroethene	7,500	20	1,400	3.7
10061-02-5	cis-1,3-Dichloropropene	ND	20	ND	4.4
108-10-1	4-Methyl-2-Pentanone	ND	20	ND	4.9
10061-02-6	trans-1,3-Dichloropropene	ND	20	ND	4.4
79-00-5	1,1,2-Trichloroethane	ND	20	ND	3.7
108-88-3	Toluene	ND	20	ND	5.3
591-78-6	2-Hexanone	ND	20	ND	4.9
124-48-1	Dibromochloromethane	ND	20	ND	2.3
106-93-4	1,2-Dibromoethane	ND	20	ND	2.6
127-18-4	Tetrachloroethene	890	20	130	3.0
108-90-7	Chlorobenzene	ND	20	ND	4.3
100-41-4	Ethylbenzene	ND	20	ND	4.6
1330-20-7	m- & p-Xylene	ND	20	ND	4.6
75-25-2	Bromoform	ND	20	ND	1.9
100-42-5	Styrene	ND	20	ND	4.7
95-47-6	o-Xylene	ND	20	ND	4.6
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	ND	2.9
541-73-1	1,3-Dichlorobenzene	ND	20	ND	3.3
106-46-7	1,4-Dichlorobenzene	ND	20	ND	3.3
95-50-1	1,2-Dichlorobenzene	ND	20	ND	3.3

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/12/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW20-35-01
PAI Sample ID : P9800225-002

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/11/98
Date Analyzed : 3/10/98, 3/11/98
Volume(s) Analyzed : 0.250 (liters)
0.050 (liters)

Pi 1 = -0.3
Pf 1 = 3.4
D.F. = 1.26

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	4.0	ND	1.9
75-01-4	Vinyl Chloride	ND	4.0	ND	1.6
74-83-9	Bromomethane	ND	4.0	ND	1.0
75-00-3	Chloroethane	ND	4.0	ND	1.5
67-64-1	Acetone	13	4.0	5.5	1.7
75-69-4	Trichlorofluoromethane	ND	4.0	ND	0.71
75-35-4	1,1-Dichloroethene	ND	4.0	ND	1.0
75-09-2	Methylene Chloride	ND	4.0	ND	1.2
76-13-1	Trichlorotrifluoroethane	ND	4.0	ND	0.52
75-15-0	Carbon Disulfide	ND	4.0	ND	1.3
156-60-5	trans-1,2-Dichloroethene	ND	4.0	ND	1.0
75-34-3	1,1-Dichloroethane	ND	4.0	ND	0.99
1634-04-4	Methyl tert-Butyl Ether	3.3 TR	4.0	0.92 TR	1.1
108-05-4	Vinyl Acetate	ND	4.0	ND	1.1
78-93-3	2-Butanone	ND	4.0	ND	1.4
156-59-2	cis-1,2-Dichloroethene	ND	4.0	ND	1.0
67-66-3	Chloroform	ND	4.0	ND	0.82
107-06-2	1,2-Dichloroethane	ND	4.0	ND	0.99
71-55-6	1,1,1-Trichloroethane	ND	4.0	ND	0.73
71-43-2	Benzene	ND	4.0	ND	1.3
56-23-5	Carbon Tetrachloride	ND	4.0	ND	0.64
78-87-5	1,2-Dichloropropane	ND	4.0	ND	0.87

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/12/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW20-35-01
PAI Sample ID : P9800225-002

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/11/98
Date Analyzed : 3/10/98, 3/11/98
Volume(s) Analyzed : 0.250 (liters)
0.050 (liters)

Pf 1 = -0.3
Pf 1 = 3.4
D.F. = 1.26

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	4.0	ND	0.60
79-01-6	Trichloroethene	21	4.0	3.9	0.74
10061-02-5	cis-1,3-Dichloropropene	ND	4.0	ND	0.88
108-10-1	4-Methyl-2-Pentanone	ND	4.0	ND	0.98
10061-02-6	trans-1,3-Dichloropropene	ND	4.0	ND	0.88
79-00-5	1,1,2-Trichloroethane	ND	4.0	ND	0.73
108-88-3	Toluene	4.7	4.0	1.3	1.1
591-78-6	2-Hexanone	ND	4.0	ND	0.98
124-48-1	Dibromochloromethane	ND	4.0	ND	0.47
106-93-4	1,2-Dibromoethane	ND	4.0	ND	0.52
127-18-4	Tetrachloroethene	1,000	4.0	150	0.59
108-90-7	Chlorobenzene	ND	4.0	ND	0.87
100-41-4	Ethylbenzene	ND	4.0	ND	0.92
1330-20-7	m- & p-Xylene	3.0 TR	4.0	0.70 TR	0.92
75-25-2	Bromoform	ND	4.0	ND	0.39
100-42-5	Styrene	ND	4.0	ND	0.94
95-47-6	o-Xylene	ND	4.0	ND	0.92
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.0	ND	0.58
541-73-1	1,3-Dichlorobenzene	ND	4.0	ND	0.67
106-46-7	1,4-Dichlorobenzene	ND	4.0	ND	0.67
95-50-1	1,2-Dichlorobenzene	ND	4.0	ND	0.67

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/12/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW49-10-01
PAI Sample ID : P9800225-003

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/11/98
Date Analyzed : 3/10/98, 3/11/98
Volume(s) Analyzed : 0.050 (liters)
0.0050 (liters)

Pi 1 = 0.0
Pf 1 = 3.5

D.F. = 1.24

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb	
74-87-3	Chloromethane	ND	20	ND	9.7	
75-01-4	Vinyl Chloride	ND	20	ND	7.8	
74-83-9	Bromomethane	ND	20	ND	5.2	
75-00-3	Chloroethane	ND	20	ND	7.6	
67-64-1	Acetone	20	20	8.6	8.4	
75-69-4	Trichlorofluoromethane	ND	20	ND	3.6	
75-35-4	1,1-Dichloroethene	ND	20	ND	5.0	(1)
75-09-2	Methylene Chloride	ND	20	ND	5.8	
76-13-1	Trichlorotrifluoroethane	ND	20	ND	2.6	
75-15-0	Carbon Disulfide	ND	20	ND	6.4	
156-60-5	trans-1,2-Dichloroethene	ND	20	ND	5.0	
75-34-3	1,1-Dichloroethane	39	20	9.6	4.9	
1634-04-4	Methyl tert-Butyl Ether	ND	20	ND	5.5	
108-05-4	Vinyl Acetate	ND	20	ND	5.7	
78-93-3	2-Butanone	ND	20	ND	6.8	
156-59-2	cis-1,2-Dichloroethene	ND	20	ND	5.0	
67-66-3	Chloroform	23	20	4.7	4.1	
107-06-2	1,2-Dichloroethane	ND	20	ND	4.9	(1)
71-55-6	1,1,1-Trichloroethane	6,800	20	1,300	3.7	
71-43-2	Benzene	ND	20	ND	6.3	
56-23-5	Carbon Tetrachloride	ND	20	ND	3.2	
78-87-5	1,2-Dichloropropane	ND	20	ND	4.3	

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RCS **Date:** 3/12/98

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW49-10-01
PAI Sample ID : P9800225-003

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/11/98
Date Analyzed : 3/10/98, 3/11/98
Volume(s) Analyzed : 0.050 (liters)
0.0050 (liters)

Pi 1 = 0.0
Pf 1 = 3.5
D.F. = 1.24

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	20	ND	3.0
79-01-6	Trichloroethene	20	20	3.8	3.7
10061-02-5	cis-1,3-Dichloropropene	ND	20	ND	4.4
108-10-1	4-Methyl-2-Pentanone	ND	20	ND	4.9
10061-02-6	trans-1,3-Dichloropropene	ND	20	ND	4.4
79-00-5	1,1,2-Trichloroethane	ND	20	ND	3.7
108-88-3	Toluene	ND	20	ND	5.3
591-78-6	2-Hexanone	ND	20	ND	4.9
124-48-1	Dibromochloromethane	ND	20	ND	2.3
106-93-4	1,2-Dibromoethane	ND	20	ND	2.6
127-18-4	Tetrachloroethene	370	20	54	3.0
108-90-7	Chlorobenzene	ND	20	ND	4.3
100-41-4	Ethylbenzene	ND	20	ND	4.6
1330-20-7	m- & p-Xylene	ND	20	ND	4.6
75-25-2	Bromoform	ND	20	ND	1.9
100-42-5	Styrene	ND	20	ND	4.7
95-47-6	o-Xylene	ND	20	ND	4.6
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	ND	2.9
541-73-1	1,3-Dichlorobenzene	ND	20	ND	3.3
106-46-7	1,4-Dichlorobenzene	ND	20	ND	3.3
95-50-1	1,2-Dichlorobenzene	ND	20	ND	3.3

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/12/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VWFD49-10-01
PAI Sample ID : P9800225-004

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/11/98
Date Analyzed : 3/10/98, 3/11/98
Volume(s) Analyzed : 0.050 (liters)
0.0050 (liters)

Pi 1 = 0.0
Pf 1 = 3.5
D.F. = 1.24

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb	
74-87-3	Chloromethane	ND	20	ND	9.7	
75-01-4	Vinyl Chloride	ND	20	ND	7.8	
74-83-9	Bromomethane	ND	20	ND	5.2	
75-00-3	Chloroethane	ND	20	ND	7.6	
67-64-1	Acetone	24	20	9.9	8.4	
75-69-4	Trichlorofluoromethane	ND	20	ND	3.6	
75-35-4	1,1-Dichloroethene	ND	20	ND	5.0	(1)
75-09-2	Methylene Chloride	ND	20	ND	5.8	
76-13-1	Trichlorotrifluoroethane	ND	20	ND	2.6	
75-15-0	Carbon Disulfide	ND	20	ND	6.4	
156-60-5	trans-1,2-Dichloroethene	ND	20	ND	5.0	
75-34-3	1,1-Dichloroethane	37	20	9.1	4.9	
1634-04-4	Methyl tert-Butyl Ether	ND	20	ND	5.5	
108-05-4	Vinyl Acetate	ND	20	ND	5.7	
78-93-3	2-Butanone	ND	20	ND	6.8	
156-59-2	cis-1,2-Dichloroethene	ND	20	ND	5.0	
67-66-3	Chloroform	22	20	4.5	4.1	
107-06-2	1,2-Dichloroethane	ND	20	ND	4.9	(1)
71-55-6	1,1,1-Trichloroethane	6,900	20	1,300	3.7	
71-43-2	Benzene	ND	20	ND	6.3	
56-23-5	Carbon Tetrachloride	ND	20	ND	3.2	
78-87-5	1,2-Dichloropropane	ND	20	ND	4.3	

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/12/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VWFD49-10-01
PAI Sample ID : P9800225-004

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/11/98
Date Analyzed : 3/10/98, 3/11/98
Volume(s) Analyzed : 0.050 (liters)
0.0050 (liters)

Pi 1 = 0.0
Pf 1 = 3.5

D.F. = 1.24

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	20	ND	3.0
79-01-6	Trichloroethene	19 TR	20	3.6 TR	3.7
10061-02-5	cis-1,3-Dichloropropene	ND	20	ND	4.4
108-10-1	4-Methyl-2-Pentanone	ND	20	ND	4.9
10061-02-6	trans-1,3-Dichloropropene	ND	20	ND	4.4
79-00-5	1,1,2-Trichloroethane	ND	20	ND	3.7
108-88-3	Toluene	ND	20	ND	5.3
591-78-6	2-Hexanone	ND	20	ND	4.9
124-48-1	Dibromochloromethane	ND	20	ND	2.3
106-93-4	1,2-Dibromoethane	ND	20	ND	2.6
127-18-4	Tetrachloroethene	370	20	55	3.0
108-90-7	Chlorobenzene	ND	20	ND	4.3
100-41-4	Ethylbenzene	ND	20	ND	4.6
1330-20-7	m- & p-Xylene	ND	20	ND	4.6
75-25-2	Bromoform	ND	20	ND	1.9
100-42-5	Styrene	ND	20	ND	4.7
95-47-6	o-Xylene	ND	20	ND	4.6
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	ND	2.9
541-73-1	1,3-Dichlorobenzene	ND	20	ND	3.3
106-46-7	1,4-Dichlorobenzene	ND	20	ND	3.3
95-50-1	1,2-Dichlorobenzene	ND	20	ND	3.3

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/12/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW49-18-01
PAI Sample ID : P9800225-005

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/11/98
Date Analyzed : 3/10/98, 3/11/98
Volume(s) Analyzed : 0.050 (liters)
0.0050 (liters)

Pi 1 = 0.0
Pf 1 = 3.5
D.F. = 1.24

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb	
74-87-3	Chloromethane	ND	20	ND	9.7	
75-01-4	Vinyl Chloride	ND	20	ND	7.8	
74-83-9	Bromomethane	ND	20	ND	5.2	
75-00-3	Chloroethane	ND	20	ND	7.6	
67-64-1	Acetone	40	20	17	8.4	
75-69-4	Trichlorofluoromethane	ND	20	ND	3.6	
75-35-4	1,1-Dichloroethene	ND	20	ND	5.0	(1)
75-09-2	Methylene Chloride	ND	20	ND	5.8	
76-13-1	Trichlorotrifluoroethane	ND	20	ND	2.6	
75-15-0	Carbon Disulfide	ND	20	ND	6.4	
156-60-5	trans-1,2-Dichloroethene	ND	20	ND	5.0	
75-34-3	1,1-Dichloroethane	ND	20	ND	4.9	
1634-04-4	Methyl tert-Butyl Ether	ND	20	ND	5.5	
108-05-4	Vinyl Acetate	ND	20	ND	5.7	
78-93-3	2-Butanone	ND	20	ND	6.8	
156-59-2	cis-1,2-Dichloroethene	ND	20	ND	5.0	
67-66-3	Chloroform	16 TR	20	3.3 TR	4.1	
107-06-2	1,2-Dichloroethane	ND	20	ND	4.9	(1)
71-55-6	1,1,1-Trichloroethane	3,100	20	570	3.7	
71-43-2	Benzene	ND	20	ND	6.3	
56-23-5	Carbon Tetrachloride	ND	20	ND	3.2	
78-87-5	1,2-Dichloropropane	ND	20	ND	4.3	

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/12/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW49-18-01
PAI Sample ID : P9800225-005

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/11/98
Date Analyzed : 3/10/98, 3/11/98
Volume(s) Analyzed : 0.050 (liters)
0.0050 (liters)

Pi 1 = 0.0
Pf 1 = 3.5

D.F. = 1.24

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	14 TR	20	2.1 TR	3.0
79-01-6	Trichloroethene	88	20	16	3.7
10061-02-5	cis-1,3-Dichloropropene	ND	20	ND	4.4
108-10-1	4-Methyl-2-Pentanone	ND	20	ND	4.9
10061-02-6	trans-1,3-Dichloropropene	ND	20	ND	4.4
79-00-5	1,1,2-Trichloroethane	ND	20	ND	3.7
108-88-3	Toluene	ND	20	ND	5.3
591-78-6	2-Hexanone	ND	20	ND	4.9
124-48-1	Dibromochloromethane	ND	20	ND	2.3
106-93-4	1,2-Dibromoethane	ND	20	ND	2.6
127-18-4	Tetrachloroethene	5,000	20	730	3.0
108-90-7	Chlorobenzene	ND	20	ND	4.3
100-41-4	Ethylbenzene	ND	20	ND	4.6
1330-20-7	m- & p-Xylene	ND	20	ND	4.6
75-25-2	Bromoform	ND	20	ND	1.9
100-42-5	Styrene	ND	20	ND	4.7
95-47-6	o-Xylene	ND	20	ND	4.6
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	ND	2.9
541-73-1	1,3-Dichlorobenzene	ND	20	ND	3.3
106-46-7	1,4-Dichlorobenzene	ND	20	ND	3.3
95-50-1	1,2-Dichlorobenzene	ND	20	ND	3.3

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/12/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW49-30-01
PAI Sample ID : P9800225-006

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/11/98
Date Analyzed : 3/10/98, 3/12/98
Volume(s) Analyzed : 0.050 (liters)
0.0050 (liters)

Pi 1 = 0.2
Pf 1 = 3.5
D.F. = 1.22

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	20	ND	9.7
75-01-4	Vinyl Chloride	ND	20	ND	7.8
74-83-9	Bromomethane	ND	20	ND	5.2
75-00-3	Chloroethane	ND	20	ND	7.6
67-64-1	Acetone	26	20	11	8.4
75-69-4	Trichlorofluoromethane	ND	20	ND	3.6
75-35-4	1,1-Dichloroethene	ND	20	ND	5.0
75-09-2	Methylene Chloride	ND	20	ND	5.8
76-13-1	Trichlorotrifluoroethane	ND	20	ND	2.6
75-15-0	Carbon Disulfide	ND	20	ND	6.4
156-60-5	trans-1,2-Dichloroethene	ND	20	ND	5.0
75-34-3	1,1-Dichloroethane	ND	20	ND	4.9
1634-04-4	Methyl tert-Butyl Ether	ND	20	ND	5.5
108-05-4	Vinyl Acetate	ND	20	ND	5.7
78-93-3	2-Butanone	ND	20	ND	6.8
156-59-2	cis-1,2-Dichloroethene	ND	20	ND	5.0
67-66-3	Chloroform	ND	20	ND	4.1
107-06-2	1,2-Dichloroethane	ND	20	ND	4.9
71-55-6	1,1,1-Trichloroethane	17 TR	20	3.2 TR	3.7
71-43-2	Benzene	ND	20	ND	6.3
56-23-5	Carbon Tetrachloride	ND	20	ND	3.2
78-87-5	1,2-Dichloropropane	ND	20	ND	4.3

(1)

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/12/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW49-30-01
PAI Sample ID : P9800225-006

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/11/98
Date Analyzed : 3/10/98, 3/12/98
Volume(s) Analyzed : 0.050 (liters)
0.0050 (liters)

Pi 1 = 0.2
Pf 1 = 3.5

D.F. = 1.22

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	20	ND	3.0
79-01-6	Trichloroethene	90	20	17	3.7
10061-02-5	cis-1,3-Dichloropropene	ND	20	ND	4.4
108-10-1	4-Methyl-2-Pentanone	ND	20	ND	4.9
10061-02-6	trans-1,3-Dichloropropene	ND	20	ND	4.4
79-00-5	1,1,2-Trichloroethane	ND	20	ND	3.7
108-88-3	Toluene	ND	20	ND	5.3
591-78-6	2-Hexanone	ND	20	ND	4.9
124-48-1	Dibromochloromethane	ND	20	ND	2.3
106-93-4	1,2-Dibromoethane	ND	20	ND	2.6
127-18-4	Tetrachloroethene	6,100	20	900	3.0
108-90-7	Chlorobenzene	ND	20	ND	4.3
100-41-4	Ethylbenzene	ND	20	ND	4.6
1330-20-7	m- & p-Xylene	ND	20	ND	4.6
75-25-2	Bromoform	ND	20	ND	1.9
100-42-5	Styrene	ND	20	ND	4.7
95-47-6	o-Xylene	ND	20	ND	4.6
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	ND	2.9
541-73-1	1,3-Dichlorobenzene	ND	20	ND	3.3
106-46-7	1,4-Dichlorobenzene	ND	20	ND	3.3
95-50-1	1,2-Dichlorobenzene	ND	20	ND	3.3

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/12/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VWFB49-30-01
PAI Sample ID : P9800225-007

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/11/98
Date Analyzed : 3/10/98
Volume(s) Analyzed : 0.250 (liters)

Pi 1 = 10.8
Pf 1 = 10.8 **D.F. = 1.00**

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	4.0	ND	1.9
75-01-4	Vinyl Chloride	ND	4.0	ND	1.6
74-83-9	Bromomethane	ND	4.0	ND	1.0
75-00-3	Chloroethane	ND	4.0	ND	1.5
67-64-1	Acetone	ND	4.0	ND	1.7
75-69-4	Trichlorofluoromethane	ND	4.0	ND	0.71
75-35-4	1,1-Dichloroethene	ND	4.0	ND	1.0
75-09-2	Methylene Chloride	ND	4.0	ND	1.2
76-13-1	Trichlorotrifluoroethane	ND	4.0	ND	0.52
75-15-0	Carbon Disulfide	ND	4.0	ND	1.3
156-60-5	trans-1,2-Dichloroethene	ND	4.0	ND	1.0
75-34-3	1,1-Dichloroethane	ND	4.0	ND	0.99
1634-04-4	Methyl tert-Butyl Ether	ND	4.0	ND	1.1
108-05-4	Vinyl Acetate	ND	4.0	ND	1.1
78-93-3	2-Butanone	ND	4.0	ND	1.4
156-59-2	cis-1,2-Dichloroethene	ND	4.0	ND	1.0
67-66-3	Chloroform	ND	4.0	ND	0.82
107-06-2	1,2-Dichloroethane	ND	4.0	ND	0.99
71-55-6	1,1,1-Trichloroethane	11	4.0	2.1	0.73
71-43-2	Benzene	ND	4.0	ND	1.3
56-23-5	Carbon Tetrachloride	ND	4.0	ND	0.64
78-87-5	1,2-Dichloropropane	ND	4.0	ND	0.87

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/12/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VWFB49-30-01
PAI Sample ID : P9800225-007

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/11/98
Date Analyzed : 3/10/98
Volume(s) Analyzed : 0.250 (liters)

Pi 1 = 10.8
Pf 1 = 10.8
D.F. = 1.00

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	4.0	ND	0.60
79-01-6	Trichloroethene	44	4.0	8.1	0.74
10061-02-5	cis-1,3-Dichloropropene	ND	4.0	ND	0.88
108-10-1	4-Methyl-2-Pentanone	ND	4.0	ND	0.98
10061-02-6	trans-1,3-Dichloropropene	ND	4.0	ND	0.88
79-00-5	1,1,2-Trichloroethane	ND	4.0	ND	0.73
108-88-3	Toluene	ND	4.0	ND	1.1
591-78-6	2-Hexanone	ND	4.0	ND	0.98
124-48-1	Dibromochloromethane	ND	4.0	ND	0.47
106-93-4	1,2-Dibromoethane	ND	4.0	ND	0.52
127-18-4	Tetrachloroethene	9.1	4.0	1.3	0.59
108-90-7	Chlorobenzene	ND	4.0	ND	0.87
100-41-4	Ethylbenzene	ND	4.0	ND	0.92
1330-20-7	m- & p-Xylene	ND	4.0	ND	0.92
75-25-2	Bromoform	ND	4.0	ND	0.39
100-42-5	Styrene	ND	4.0	ND	0.94
95-47-6	o-Xylene	ND	4.0	ND	0.92
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.0	ND	0.58
541-73-1	1,3-Dichlorobenzene	ND	4.0	ND	0.67
106-46-7	1,4-Dichlorobenzene	ND	4.0	ND	0.67
95-50-1	1,2-Dichlorobenzene	ND	4.0	ND	0.67

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/12/98

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW10-35-01
PAI Sample ID : P9800225-008

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/11/98
Date Analyzed : 3/10/98
Volume(s) Analyzed : 0.250 (liters)

Pi 1 = 0.0
Pf 1 = 3.5 **D.F. = 1.24**

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	4.0	ND	1.9
75-01-4	Vinyl Chloride	380	4.0	150	1.6
74-83-9	Bromomethane	ND	4.0	ND	1.0
75-00-3	Chloroethane	ND	4.0	ND	1.5
67-64-1	Acetone	ND	4.0	ND	1.7
75-69-4	Trichlorofluoromethane	ND	4.0	ND	0.71
75-35-4	1,1-Dichloroethene	ND	4.0	ND	1.0
75-09-2	Methylene Chloride	ND	4.0	ND	1.2
76-13-1	Trichlorotrifluoroethane	ND	4.0	ND	0.52
75-15-0	Carbon Disulfide	24	4.0	7.9	1.3
156-60-5	trans-1,2-Dichloroethene	ND	4.0	ND	1.0
75-34-3	1,1-Dichloroethane	300	4.0	75	0.99
1634-04-4	Methyl tert-Butyl Ether	30	4.0	8.4	1.1
108-05-4	Vinyl Acetate	ND	4.0	ND	1.1
78-93-3	2-Butanone	ND	4.0	ND	1.4
156-59-2	cis-1,2-Dichloroethene	330	4.0	83	1.0
67-66-3	Chloroform	ND	4.0	ND	0.82
107-06-2	1,2-Dichloroethane	ND	4.0	ND	0.99
71-55-6	1,1,1-Trichloroethane	ND	4.0	ND	0.73
71-43-2	Benzene	3.1 TR	4.0	0.98 TR	1.3
56-23-5	Carbon Tetrachloride	ND	4.0	ND	0.64
78-87-5	1,2-Dichloropropane	ND	4.0	ND	0.87

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/12/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW10-35-01
PAI Sample ID : P9800225-008

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/11/98
Date Analyzed : 3/10/98
Volume(s) Analyzed : 0.250 (liters)

Pi 1 = 0.0
Pf 1 = 3.5
D.F. = 1.24

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	4.0	ND	0.60
79-01-6	Trichloroethene	ND	4.0	ND	0.74
10061-02-5	cis-1,3-Dichloropropene	ND	4.0	ND	0.88
108-10-1	4-Methyl-2-Pentanone	ND	4.0	ND	0.98
10061-02-6	trans-1,3-Dichloropropene	ND	4.0	ND	0.88
79-00-5	1,1,2-Trichloroethane	ND	4.0	ND	0.73
108-88-3	Toluene	5.1	4.0	1.3	1.1
591-78-6	2-Hexanone	ND	4.0	ND	0.98
124-48-1	Dibromochloromethane	ND	4.0	ND	0.47
106-93-4	1,2-Dibromoethane	ND	4.0	ND	0.52
127-18-4	Tetrachloroethene	5.6	4.0	0.82	0.59
108-90-7	Chlorobenzene	ND	4.0	ND	0.87
100-41-4	Ethylbenzene	ND	4.0	ND	0.92
1330-20-7	m- & p-Xylene	ND	4.0	ND	0.92
75-25-2	Bromoform	ND	4.0	ND	0.39
100-42-5	Styrene	ND	4.0	ND	0.94
95-47-6	o-Xylene	ND	4.0	ND	0.92
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.0	ND	0.58
541-73-1	1,3-Dichlorobenzene	ND	4.0	ND	0.67
106-46-7	1,4-Dichlorobenzene	ND	4.0	ND	0.67
95-50-1	1,2-Dichlorobenzene	ND	4.0	ND	0.67

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/12/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW16-34-01
PAI Sample ID : P9800225-009

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/11/98
Date Analyzed : 3/10/98
Volume(s) Analyzed : 0.250 (liters)

Pi 1 = 0.1
Pf 1 = 3.5 **D.F. =** 1.23

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	4.0	ND	1.9
75-01-4	Vinyl Chloride	ND	4.0	ND	1.6
74-83-9	Bromomethane	ND	4.0	ND	1.0
75-00-3	Chloroethane	ND	4.0	ND	1.5
67-64-1	Acetone	5.8	4.0	2.4	1.7
75-69-4	Trichlorofluoromethane	10	4.0	1.8	0.71
75-35-4	1,1-Dichloroethene	25	4.0	6.2	1.0
75-09-2	Methylene Chloride	ND	4.0	ND	1.2
76-13-1	Trichlorotrifluoroethane	ND	4.0	ND	0.52
75-15-0	Carbon Disulfide	12	4.0	3.9	1.3
156-60-5	trans-1,2-Dichloroethene	ND	4.0	ND	1.0
75-34-3	1,1-Dichloroethane	3.7 TR	4.0	0.92 TR	0.99
1634-04-4	Methyl tert-Butyl Ether	ND	4.0	ND	1.1
108-05-4	Vinyl Acetate	ND	4.0	ND	1.1
78-93-3	2-Butanone	ND	4.0	ND	1.4
156-59-2	cis-1,2-Dichloroethene	ND	4.0	ND	1.0
67-66-3	Chloroform	5.8	4.0	1.2	0.82
107-06-2	1,2-Dichloroethane	ND	4.0	ND	0.99
71-55-6	1,1,1-Trichloroethane	34	4.0	6.2	0.73
71-43-2	Benzene	ND	4.0	ND	1.3
56-23-5	Carbon Tetrachloride	ND	4.0	ND	0.64
78-87-5	1,2-Dichloropropane	ND	4.0	ND	0.87

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/12/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW16-34-01
PAI Sample ID : P9800225-009

Test Code : GC/MS EPA TO-14
Analyst : Chris Pamell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/11/98
Date Analyzed : 3/10/98
Volume(s) Analyzed : 0.250 (liters)

Pi 1 = 0.1
Pf 1 = 3.5
D.F. = 1.23

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	4.0	ND	0.60
79-01-6	Trichloroethene	490	4.0	91	0.74
10061-02-5	cis-1,3-Dichloropropene	ND	4.0	ND	0.88
108-10-1	4-Methyl-2-Pentanone	ND	4.0	ND	0.98
10061-02-6	trans-1,3-Dichloropropene	ND	4.0	ND	0.88
79-00-5	1,1,2-Trichloroethane	ND	4.0	ND	0.73
108-88-3	Toluene	4.3	4.0	1.1	1.1
591-78-6	2-Hexanone	ND	4.0	ND	0.98
124-48-1	Dibromochloromethane	ND	4.0	ND	0.47
106-93-4	1,2-Dibromoethane	ND	4.0	ND	0.52
127-18-4	Tetrachloroethene	13	4.0	1.9	0.59
108-90-7	Chlorobenzene	ND	4.0	ND	0.87
100-41-4	Ethylbenzene	ND	4.0	ND	0.92
1330-20-7	m- & p-Xylene	ND	4.0	ND	0.92
75-25-2	Bromoform	ND	4.0	ND	0.39
100-42-5	Styrene	ND	4.0	ND	0.94
95-47-6	o-Xylene	ND	4.0	ND	0.92
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.0	ND	0.58
541-73-1	1,3-Dichlorobenzene	ND	4.0	ND	0.67
106-46-7	1,4-Dichlorobenzene	ND	4.0	ND	0.67
95-50-1	1,2-Dichlorobenzene	ND	4.0	ND	0.67

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/12/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW16-34-01
PAI Sample ID : P9800225-009 (Laboratory Duplicate)

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/11/98
Date Analyzed : 3/11/98
Volume(s) Analyzed : 0.250 (liters)

Pi 1 = 0.1
Pf 1 = 3.5 **D.F. = 1.23**

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	4.0	ND	1.9
75-01-4	Vinyl Chloride	ND	4.0	ND	1.6
74-83-9	Bromomethane	ND	4.0	ND	1.0
75-00-3	Chloroethane	ND	4.0	ND	1.5
67-64-1	Acetone	5.9	4.0	2.5	1.7
75-69-4	Trichlorofluoromethane	11	4.0	1.9	0.71
75-35-4	1,1-Dichloroethene	25	4.0	6.3	1.0
75-09-2	Methylene Chloride	ND	4.0	ND	1.2
76-13-1	Trichlorotrifluoroethane	ND	4.0	ND	0.52
75-15-0	Carbon Disulfide	15	4.0	4.8	1.3
156-60-5	trans-1,2-Dichloroethene	ND	4.0	ND	1.0
75-34-3	1,1-Dichloroethane	3.9 TR	4.0	0.96 TR	0.99
1634-04-4	Methyl tert-Butyl Ether	ND	4.0	ND	1.1
108-05-4	Vinyl Acetate	ND	4.0	ND	1.1
78-93-3	2-Butanone	ND	4.0	ND	1.4
156-59-2	cis-1,2-Dichloroethene	ND	4.0	ND	1.0
67-66-3	Chloroform	5.8	4.0	1.2	0.82
107-06-2	1,2-Dichloroethane	ND	4.0	ND	0.99
71-55-6	1,1,1-Trichloroethane	34	4.0	6.2	0.73
71-43-2	Benzene	ND	4.0	ND	1.3
56-23-5	Carbon Tetrachloride	ND	4.0	ND	0.64
78-87-5	1,2-Dichloropropane	ND	4.0	ND	0.87

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/12/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW16-34-01
PAI Sample ID : P9800225-009 (Laboratory Duplicate)

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/11/98
Date Analyzed : 3/11/98
Volume(s) Analyzed : 0.250 (liters)

Pi 1 = 0.1
Pf 1 = 3.5
D.F. = 1.23

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	4.0	ND	0.60
79-01-6	Trichloroethene	480	4.0	90	0.74
10061-02-5	cis-1,3-Dichloropropene	ND	4.0	ND	0.88
108-10-1	4-Methyl-2-Pentanone	ND	4.0	ND	0.98
10061-02-6	trans-1,3-Dichloropropene	ND	4.0	ND	0.88
79-00-5	1,1,2-Trichloroethane	ND	4.0	ND	0.73
108-88-3	Toluene	4.3	4.0	1.1	1.1
591-78-6	2-Hexanone	ND	4.0	ND	0.98
124-48-1	Dibromochloromethane	ND	4.0	ND	0.47
106-93-4	1,2-Dibromoethane	ND	4.0	ND	0.52
127-18-4	Tetrachloroethene	13	4.0	1.9	0.59
108-90-7	Chlorobenzene	ND	4.0	ND	0.87
100-41-4	Ethylbenzene	ND	4.0	ND	0.92
1330-20-7	m- & p-Xylene	ND	4.0	ND	0.92
75-25-2	Bromoform	ND	4.0	ND	0.39
100-42-5	Styrene	ND	4.0	ND	0.94
95-47-6	o-Xylene	ND	4.0	ND	0.92
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.0	ND	0.58
541-73-1	1,3-Dichlorobenzene	ND	4.0	ND	0.67
106-46-7	1,4-Dichlorobenzene	ND	4.0	ND	0.67
95-50-1	1,2-Dichlorobenzene	ND	4.0	ND	0.67

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/12/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW06-34-01
PAI Sample ID : P9800225-010

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/11/98
Date Analyzed : 3/11/98
Volume(s) Analyzed : 0.025 (liters)

Pi 1 = 0.1
Pf 1 = 3.6 **D.F. = 1.24**

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb	
74-87-3	Chloromethane	ND	40	ND	19	
75-01-4	Vinyl Chloride	140	40	55	16	
74-83-9	Bromomethane	ND	40	ND	10	
75-00-3	Chloroethane	ND	40	ND	15	
67-64-1	Acetone	ND	40	ND	17	
75-69-4	Trichlorofluoromethane	ND	40	ND	7.1	
75-35-4	1,1-Dichloroethene	ND	40	ND	10	(1)
75-09-2	Methylene Chloride	ND	40	ND	12	
76-13-1	Trichlorotrifluoroethane	ND	40	ND	5.2	
75-15-0	Carbon Disulfide	ND	40	ND	13	
156-60-5	trans-1,2-Dichloroethene	ND	40	ND	10	
75-34-3	1,1-Dichloroethane	ND	40	ND	9.9	
1634-04-4	Methyl tert-Butyl Ether	ND	40	ND	11	
108-05-4	Vinyl Acetate	ND	40	ND	11	
78-93-3	2-Butanone	ND	40	ND	14	
156-59-2	cis-1,2-Dichloroethene	ND	40	ND	10	
67-66-3	Chloroform	ND	40	ND	8.2	
107-06-2	1,2-Dichloroethane	ND	40	ND	9.9	(1)
71-55-6	1,1,1-Trichloroethane	ND	40	ND	7.3	
71-43-2	Benzene	ND	40	ND	13	
56-23-5	Carbon Tetrachloride	ND	40	ND	6.4	
78-87-5	1,2-Dichloropropane	ND	40	ND	8.7	

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/12/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW06-34-01
PAI Sample ID : P9800225-010

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/11/98
Date Analyzed : 3/11/98
Volume(s) Analyzed : 0.025 (liters)

Pi 1 = 0.1
Pf 1 = 3.6 **D.F. =** 1.24

CAS #	COMPOUND	RESULT ug/m^3	REPORTING LIMIT ug/m^3	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	40	ND	6.0
79-01-6	Trichloroethene	ND	40	ND	7.4
10061-02-5	cis-1,3-Dichloropropene	ND	40	ND	8.8
108-10-1	4-Methyl-2-Pentanone	ND	40	ND	9.8
10061-02-6	trans-1,3-Dichloropropene	ND	40	ND	8.8
79-00-5	1,1,2-Trichloroethane	ND	40	ND	7.3
108-88-3	Toluene	ND	40	ND	11
591-78-6	2-Hexanone	ND	40	ND	9.8
124-48-1	Dibromochloromethane	ND	40	ND	4.7
106-93-4	1,2-Dibromoethane	ND	40	ND	5.2
127-18-4	Tetrachloroethene	ND	40	ND	5.9
108-90-7	Chlorobenzene	ND	40	ND	8.7
100-41-4	Ethylbenzene	ND	40	ND	9.2
1330-20-7	m- & p-Xylene	ND	40	ND	9.2
75-25-2	Bromoform	ND	40	ND	3.9
100-42-5	Styrene	ND	40	ND	9.4
95-47-6	o-Xylene	ND	40	ND	9.2
79-34-5	1,1,2,2-Tetrachloroethane	ND	40	ND	5.8
541-73-1	1,3-Dichlorobenzene	ND	40	ND	6.7
106-46-7	1,4-Dichlorobenzene	ND	40	ND	6.7
95-50-1	1,2-Dichlorobenzene	ND	40	ND	6.7

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/12/98

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 3/10/98
Volume(s) Analyzed : 1.000 (liters)

Pi 1 = N/A
Pf 1 = N/A
D.F. = 1.00

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	ND	1.0	ND	0.42
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene Chloride	ND	1.0	ND	0.29
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	ND	1.0	ND	0.34
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
67-66-3	Chloroform	ND	1.0	ND	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18
71-43-2	Benzene	ND	1.0	ND	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/12/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 3/10/98
Volume(s) Analyzed : 1.000 (liters)

Pi 1 = N/A
Pf 1 = N/A **D.F. = 1.00**

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-02-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-Pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	ND	1.0	ND	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	ND	1.0	ND	0.23
1330-20-7	m- & p-Xylene	ND	1.0	ND	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.23
95-47-6	o-Xylene	ND	1.0	ND	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/12/98

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 3/11/98
Volume(s) Analyzed : 1.000 (liters)

Pi 1 = N/A
Pf 1 = N/A
D.F. = 1.00

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	ND	1.0	ND	0.42
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene Chloride	ND	1.0	ND	0.29
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	ND	1.0	ND	0.34
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
67-66-3	Chloroform	ND	1.0	ND	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18
71-43-2	Benzene	ND	1.0	ND	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/12/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 3/11/98
Volume(s) Analyzed : 1.000 (liters)

Pi 1 = N/A
Pf 1 = N/A
D.F. = 1.00

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-02-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-Pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	ND	1.0	ND	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	ND	1.0	ND	0.23
1330-20-7	m- & p-Xylene	ND	1.0	ND	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.23
95-47-6	o-Xylene	ND	1.0	ND	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/12/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Ship To: VOC Analytical
Attn: Sample Control
801 Western
Glendale CA

Page 1 of 1
Project Name: WDI
Project No.: 94-256
Site Location: Santa Fe Springs
Date: 2/9/98

CHAIN OF CUSTODY RECORD

P9800225

G94-02-201

Boring/Well No.	Sample No.	Depth	Date	Time	Sample Type: Water	Solid	Other	Comp.	Grab.	Sample Containers: Vol.	No.	Type	Pres.	Analysis: TO-15	Methane	NMHC					Remarks
WDI-VW22-35-01			2/9/98	1250			Air			6L	1	Suma		X	X	X					-001 407
WDI-VW20-35-01			2/9/98	1329			↓			↓	1	↓		X	X	X					-002 328
WDI-VW49-10-01			2/9/98	1430			↓			↓	1	↓		X	X	X					-003 369
WDI-VWFD49-10-01			2/9/98	1430			↓			↓	1	↓		X	X	X					-004 323
WDI-VW49-18-01			2/9/98	1435			↓			↓	1	↓		X	X	X					-005 571
WDI-VW49-30-01			2/9/98	1436			↓			↓	1	↓		X	X	X					-006 351
WDI-VWFB49-30-01			2/9/98	1500			↓			↓	1	↓		X	X	X					-007 1106

Total Number of Samples Shipped: 7 Shipper's Signature: Glenn Andrusko

	Signature	Company	Date	Time
Relinquished by:	Glenn Andrusko	TRC	2/10/98	
Received by:	A. [illegible]	ARIA	2-10-98	12:15
Relinquished by:	A. [illegible]	ARIA	2-10-98	2:[illegible]
Received by:	R. [illegible]	VOC	2-10-98	2:05
Relinquished by:				
Received by:	[illegible]	PAI	2/11/98	1207

Special Instructions / Shipment / Handling / Storage Requirements:

Send results attn. Roberto Puga.

The material(s) listed are received for analysis and/or treatability evaluation and remain the property of the client and not Environmental Solutions, Inc. At the conclusion of the test work, all remaining material(s) will be returned to the client for eventual disposal at a licensed facility.

☒ ENVIRONMENTAL SOLUTIONS, INC.
21 Technology Drive
Irvine, California 92718

☐ ENVIRONMENTAL SOLUTIONS, INC.
1172 Pelican Bay Drive
Daytona Beach, Florida 32119

☐ ENVIRONMENTAL SOLUTIONS, INC.
1201 N. McDowell Boulevard
Petaluma, California 94954

☐ ENVIRONMENTAL SOLUTIONS, INC.
2815 Mitchell Drive, Suite 103
Walnut Creek, California 94598

CHAIN OF CUSTODY RECORD

P9800225

Ship To: VOC Analytical
Attn: Sample Control
801 Western
Glendale CA

Page 1 of 1
Project Name: WDZ
Project No.: 94-256
Site Location: Santa Fe Springs CA
Date: 2/10/98

GA-02-201

Boring/Well No.	Sample No.	Depth	Date	Time	Sample Type: Water	Solid	Other	Comp.	Grab.	Sample Containers: Vol.	No.	Type	Pres.	Analysis: TO-15	Methane	VOHs					Remarks
WDZ-VW	10-35-	01	2/10/98	0958			Air			6L	1	Summa	—	X	X	X					-008 184
WDZ-VW	11-34-	01	"	1035			"			"	1	"		X	X	X					-009 175
WDZ-VW	12-34-	01	"	1105			"			"	1	"		X	X	X					-010 469

Total Number of Samples Shipped: 3 Shipper's Signature: Glenn Andrusko

	Signature	Company	Date	Time
Relinquished by:	Glenn Andrusko	TRC	2/10/98	
Received by:	A. Malcuya	ARA	2-10-98	1215
Relinquished by:	A. Malcuya	ARA	2-10-98	2:05
Received by:	R. Taghavi	VOC	2-10-98	2:05
Relinquished by:				
Received by:		PAH	2/11/98	1207

Special Instructions / Shipment / Handling / Storage Requirements:

Send result attn Roberto Page

The material(s) listed are received for analysis and/or treatability evaluation and remain the property of the client and not Environmental Solutions, Inc. At the conclusion of the test work, all remaining material(s) will be returned to the client for eventual disposal at a licensed facility.

☒ ENVIRONMENTAL SOLUTIONS, INC.
21 Technology Drive
Irvine, California 92718

☐ ENVIRONMENTAL SOLUTIONS, INC.
1172 Pelican Bay Drive
Daytona Beach, Florida 32119

☐ ENVIRONMENTAL SOLUTIONS, INC.
1201 N. McDowell Boulevard
Petaluma, California 94954

☐ ENVIRONMENTAL SOLUTIONS, INC.
2815 Mitchell Drive, Suite 103
Walnut Creek, California 94598

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VWBKGRND
PAI Sample ID : P9800233-001

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/12/98
Date Analyzed : 03/09/98
Volume(s) Analyzed : 1.000 Liter(s)

Pi 1 = -0.2
Pf 1 = 3.5
D.F. = 1.26

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	2.8	1.0	1.4	0.49
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
75-00-3	Chloroethane	ND	1.0	ND	0.38
74-83-9	Bromomethane	ND	1.0	ND	0.26
67-64-1	Acetone	30	1.0	13	0.42
75-69-4	Trichlorofluoromethane	4.3	1.0	0.77	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	3.0	1.0	0.89	0.29
75-15-0	Carbon Disulfide	1.0	1.0	0.33	0.32
76-13-1	Trichlorotrifluoroethane	1.1	1.0	0.15	0.13
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	9.7	1.0	2.7	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	5.2	1.0	1.8	0.34
67-66-3	Chloroform	ND	1.0	ND	0.21
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	0.84 TR	1.0	0.16 TR	0.19
71-43-2	Benzene	2.4	1.0	0.74	0.31
56-23-5	Carbon Tetrachloride	0.77 TR	1.0	0.12 TR	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VWBKGRND
PAI Sample ID : P9800233-001

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/12/98
Date Analyzed : 3/9/98
Volume(s) Analyzed : 1.000 Liter(s)

Pi l = -0.2
Pf l = 3.5
D.F. = 1.26

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.19
108-88-3	Toluene	7.6	1.0	2.0	0.27
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
591-78-6	2-Hexanone	ND	1.0	ND	0.24
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	10	1.0	1.5	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	0.86 TR	1.0	0.20 TR	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.24
1330-20-7	m,p-Xylenes	3.0	1.0	0.68	0.23
95-47-6	o-Xylene	1.1	1.0	0.26	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VWBKGRND
PAI Sample ID : P9800233-001 Dup

1.4 / 3.0

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/12/98
Date Analyzed : 03/09/98
Volume(s) Analyzed : 1.000 Liter(s)

Pi 1 = -0.2
Pf 1 = 3.5

D.F. = 1.26

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	3.0	1.0	1.4	0.49
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
75-00-3	Chloroethane	ND	1.0	ND	0.38
74-83-9	Bromomethane	ND	1.0	ND	0.26
67-64-1	Acetone	30	1.0	13	0.42
75-69-4	Trichlorofluoromethane	4.6	1.0	0.83	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	3.1	1.0	0.91	0.29
75-15-0	Carbon Disulfide	1.1	1.0	0.34	0.32
76-13-1	Trichlorotrifluoroethane	1.2	1.0	0.16	0.13
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	9.2	1.0	2.6	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	5.2	1.0	1.8	0.34
67-66-3	Chloroform	ND	1.0	ND	0.21
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	0.78 TR	1.0	0.14 TR	0.19
71-43-2	Benzene	2.3	1.0	0.72	0.31
56-23-5	Carbon Tetrachloride	0.74 TR	1.0	0.12 TR	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VWBKGRND
PAI Sample ID : P9800233-001 Dup

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/12/98
Date Analyzed : 3/9/98
Volume(s) Analyzed : 1.000 Liter(s)

Pi 1 = -0.2
Pf 1 = 3.5

D.F. = 1.26

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.19
108-88-3	Toluene	7.6	1.0	2.0	0.27
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
591-78-6	2-Hexanone	ND	1.0	ND	0.24
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	9.7	1.0	1.5	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	0.72 TR	1.0	0.17 TR	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.24
1330-20-7	m,p-Xylenes	2.7	1.0	0.62	0.23
95-47-6	o-Xylene	0.98 TR	1.0	0.23 TR	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW36-10-01
PAI Sample ID : P9800233-002

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/12/98
Date Analyzed : 03/09/98
Volume(s) Analyzed : 1.000 Liter(s)

Pi l = -0.3
Pf l = 3.5
D.F. = 1.26

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	1.8	1.0	0.86	0.49
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
75-00-3	Chloroethane	ND	1.0	ND	0.38
74-83-9	Bromomethane	ND	1.0	ND	0.26
67-64-1	Acetone	85	1.0	36	0.42
75-69-4	Trichlorofluoromethane	7.0	1.0	1.3	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	2.2	1.0	0.63	0.29
75-15-0	Carbon Disulfide	12	1.0	4.0	0.32
76-13-1	Trichlorotrifluoroethane	1.9	1.0	0.24	0.13
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	13	1.0	3.6	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	2.8	1.0	0.94	0.34
67-66-3	Chloroform	37	1.0	7.8	0.21
107-06-2	1,2-Dichloroethane	5.1	1.0	1.3	0.25
71-55-6	1,1,1-Trichloroethane	110	1.0	20	0.19
71-43-2	Benzene	1.9	1.0	0.61	0.31
56-23-5	Carbon Tetrachloride	0.78 TR	1.0	0.13 TR	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW36-10-01
PAI Sample ID : P9800233-002

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/12/98
Date Analyzed : 3/9/98
Volume(s) Analyzed : 1.000 Liter(s)

Pi 1 = -0.3
Pf 1 = 3.5

D.F. = 1.26

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	31	1.0	4.6	0.15
79-01-6	Trichloroethene	1.5	1.0	0.29	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	1.3	1.0	0.32	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.19
108-88-3	Toluene	9.6	1.0	2.6	0.27
124-48-1	Dibromochloromethane	18	1.0	2.1	0.12
591-78-6	2-Hexanone	ND	1.0	ND	0.24
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	8.4	1.0	1.3	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	1.2	1.0	0.27	0.23
75-25-2	Bromoform	3.0	1.0	0.29	0.10
100-42-5	Styrene	ND	1.0	ND	0.24
1330-20-7	m,p-Xylenes	4.9	1.0	1.1	0.23
95-47-6	o-Xylene	5.0	1.0	1.2	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RCS

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW36-30-01
PAI Sample ID : P9800233-003

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/12/98
Date Analyzed : 3/10/98
Volume(s) Analyzed : 0.570 Liter(s)

Pi 1 = 0.1
Pf 1 = 3.4

D.F. = 1.22

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.8	ND	0.86
75-01-4	Vinyl Chloride	ND	1.8	ND	0.69
75-00-3	Chloroethane	ND	1.8	ND	0.67
74-83-9	Bromomethane	ND	1.8	ND	0.46
67-64-1	Acetone	34	1.8	14	0.74
75-69-4	Trichlorofluoromethane	5.7	1.8	1.0	0.32
75-35-4	1,1-Dichloroethene	ND	1.8	ND	0.45
75-09-2	Methylene chloride	1.8	1.8	0.54	0.51
75-15-0	Carbon Disulfide	6.9	1.8	2.2	0.56
76-13-1	Trichlorotrifluoroethane	ND	1.8	ND	0.23
156-60-5	trans-1,2-Dichloroethene	ND	1.8	ND	0.45
156-59-2	cis-1,2-Dichloroethene	ND	1.8	ND	0.45
75-34-3	1,1-Dichloroethane	ND	1.8	ND	0.44
1634-04-4	Methyl tert-Butyl Ether	6.5	1.8	1.8	0.49
108-05-4	Vinyl Acetate	ND	1.8	ND	0.50
78-93-3	2-Butanone	ND	1.8	ND	0.60
67-66-3	Chloroform	20	1.8	4.2	0.36
107-06-2	1,2-Dichloroethane	4.9	1.8	1.2	0.44
71-55-6	1,1,1-Trichloroethane	5.7	1.8	1.1	0.33
71-43-2	Benzene	ND	1.8	ND	0.55
56-23-5	Carbon Tetrachloride	ND	1.8	ND	0.28
78-87-5	1,2-Dichloropropane	ND	1.8	ND	0.38

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RCS

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW36-30-01
PAI Sample ID : P9800233-003

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/12/98
Date Analyzed : 3/10/98
Volume(s) Analyzed : 0.570 Liter(s)

Pi 1 = 0.1
Pf 1 = 3.4

D.F. = 1.22

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	13	1.8	2.0	0.26
79-01-6	Trichloroethene	ND	1.8	ND	0.33
10061-01-5	cis-1,3-Dichloropropene	ND	1.8	ND	0.39
108-10-1	4-Methyl-2-pentanone	ND	1.8	ND	0.43
10061-02-6	trans-1,3-Dichloropropene	ND	1.8	ND	0.39
79-00-5	1,1,2-Trichloroethane	ND	1.8	ND	0.33
108-88-3	Toluene	7.0	1.8	1.9	0.47
124-48-1	Dibromochloromethane	ND	1.8	ND	0.21
591-78-6	2-Hexanone	ND	1.8	ND	0.43
106-93-4	1,2-Dibromoethane	ND	1.8	ND	0.23
127-18-4	Tetrachloroethene	38	1.8	5.6	0.26
108-90-7	Chlorobenzene	ND	1.8	ND	0.38
100-41-4	Ethylbenzene	ND	1.8	ND	0.40
75-25-2	Bromoform	ND	1.8	ND	0.17
100-42-5	Styrene	ND	1.8	ND	0.41
1330-20-7	m,p-Xylenes	3.8	1.8	0.89	0.40
95-47-6	o-Xylene	1.1 TR	1.8	0.25 TR	0.40
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.8	ND	0.26
541-73-1	1,3-Dichlorobenzene	ND	1.8	ND	0.29
106-46-7	1,4-Dichlorobenzene	ND	1.8	ND	0.29
95-50-1	1,2-Dichlorobenzene	ND	1.8	ND	0.29

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RC

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW35-10-01
PAI Sample ID : P9800233-004

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/12/98
Date Analyzed : 3/10/98
Volume(s) Analyzed : 0.100 Liter(s)

Pi 1 = 0.1
Pf 1 = 3.5

D.F. = 1.23

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	10	ND	4.9
75-01-4	Vinyl Chloride	ND	10	ND	3.9
75-00-3	Chloroethane	ND	10	ND	3.8
74-83-9	Bromomethane	ND	10	ND	2.6
67-64-1	Acetone	26	10	11	4.2
75-69-4	Trichlorofluoromethane	7.0 TR	10	1.3 TR	1.8
75-35-4	1,1-Dichloroethene	ND	10	ND	2.5 (1)
75-09-2	Methylene chloride	10	10	3.0	2.9
75-15-0	Carbon Disulfide	33	10	11	3.2
76-13-1	Trichlorotrifluoroethane	6.5 TR	10	0.86 TR	1.3
156-60-5	trans-1,2-Dichloroethene	ND	10	ND	2.5
156-59-2	cis-1,2-Dichloroethene	ND	10	ND	2.5
75-34-3	1,1-Dichloroethane	ND	10	ND	2.5
1634-04-4	Methyl tert-Butyl Ether	ND	10	ND	2.8
108-05-4	Vinyl Acetate	ND	10	ND	2.8
78-93-3	2-Butanone	ND	10	ND	3.4
67-66-3	Chloroform	31	10	6.4	2.1
107-06-2	1,2-Dichloroethane	6.4 TR	10	1.6 TR	2.5
71-55-6	1,1,1-Trichloroethane	1,400	10	260	1.9
71-43-2	Benzene	ND	10	ND	3.1
56-23-5	Carbon Tetrachloride	ND	10	ND	1.6
78-87-5	1,2-Dichloropropane	ND	10	ND	2.2

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW35-10-01
PAI Sample ID : P9800233-004

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/12/98
Date Analyzed : 3/10/98
Volume(s) Analyzed : 0.100 Liter(s)

Pi 1 = 0.1
Pf 1 = 3.5

D.F. = 1.23

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	27	10	4.1	1.5
79-01-6	Trichloroethene	230	10	44	1.9
10061-01-5	cis-1,3-Dichloropropene	ND	10	ND	2.2
108-10-1	4-Methyl-2-pentanone	ND	10	ND	2.4
10061-02-6	trans-1,3-Dichloropropene	ND	10	ND	2.2
79-00-5	1,1,2-Trichloroethane	ND	10	ND	1.9
108-88-3	Toluene	ND	10	ND	2.7
124-48-1	Dibromochloromethane	11	10	1.3	1.2
591-78-6	2-Hexanone	ND	10	ND	2.4
106-93-4	1,2-Dibromoethane	ND	10	ND	1.3
127-18-4	Tetrachloroethene	44	10	6.6	1.5
108-90-7	Chlorobenzene	ND	10	ND	2.2
100-41-4	Ethylbenzene	ND	10	ND	2.3
75-25-2	Bromoform	ND	10	ND	0.98
100-42-5	Styrene	ND	10	ND	2.4
1330-20-7	m,p-Xylenes	ND	10	ND	2.3
95-47-6	o-Xylene	ND	10	ND	2.3
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	ND	1.5
541-73-1	1,3-Dichlorobenzene	ND	10	ND	1.7
106-46-7	1,4-Dichlorobenzene	ND	10	ND	1.7
95-50-1	1,2-Dichlorobenzene	ND	10	ND	1.7

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RCS

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW35-38-01
PAI Sample ID : P9800233-005

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/12/98
Date Analyzed : 3/10/98
Volume(s) Analyzed : 0.0150 Liter(s)

Pi 1 = 0.0
Pf 1 = 3.5

D.F. = 1.24

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb	
74-87-3	Chloromethane	ND	67	ND	33	
75-01-4	Vinyl Chloride	ND	67	ND	26	
75-00-3	Chloroethane	ND	67	ND	25	
74-83-9	Bromomethane	ND	67	ND	17	
67-64-1	Acetone	110	67	46	28	
75-69-4	Trichlorofluoromethane	ND	67	ND	12	
75-35-4	1,1-Dichloroethene	ND	67	ND	17	(1)
75-09-2	Methylene chloride	ND	67	ND	19	
75-15-0	Carbon Disulfide	ND	67	ND	21	
76-13-1	Trichlorotrifluoroethane	ND	67	ND	8.8	
156-60-5	trans-1,2-Dichloroethene	ND	67	ND	17	
156-59-2	cis-1,2-Dichloroethene	ND	67	ND	17	
75-34-3	1,1-Dichloroethane	ND	67	ND	17	
1634-04-4	Methyl tert-Butyl Ether	ND	67	ND	19	
108-05-4	Vinyl Acetate	ND	67	ND	19	
78-93-3	2-Butanone	ND	67	ND	23	
67-66-3	Chloroform	200	67	41	14	
107-06-2	1,2-Dichloroethane	ND	67	ND	17	(1)
71-55-6	1,1,1-Trichloroethane	85	67	16	12	
71-43-2	Benzene	ND	67	ND	21	
56-23-5	Carbon Tetrachloride	ND	67	ND	11	
78-87-5	1,2-Dichloropropane	ND	67	ND	15	

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW35-38-01
PAI Sample ID : P9800233-005

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/12/98
Date Analyzed : 3/10/98
Volume(s) Analyzed : 0.0150 Liter(s)

Pi 1 = 0.0
Pf 1 = 3.5

D.F. = 1.24

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	67	ND	10
79-01-6	Trichloroethene	8,800	67	1,600	13
10061-01-5	cis-1,3-Dichloropropene	ND	67	ND	15
108-10-1	4-Methyl-2-pentanone	ND	67	ND	16
10061-02-6	trans-1,3-Dichloropropene	ND	67	ND	15
79-00-5	1,1,2-Trichloroethane	ND	67	ND	12
108-88-3	Toluene	ND	67	ND	18
124-48-1	Dibromochloromethane	ND	67	ND	7.9
591-78-6	2-Hexanone	ND	67	ND	16
106-93-4	1,2-Dibromoethane	ND	67	ND	8.8
127-18-4	Tetrachloroethene	110	67	16	9.9
108-90-7	Chlorobenzene	ND	67	ND	15
100-41-4	Ethylbenzene	ND	67	ND	15
75-25-2	Bromoform	ND	67	ND	6.5
100-42-5	Styrene	ND	67	ND	16
1330-20-7	m,p-Xylenes	ND	67	ND	15
95-47-6	o-Xylene	ND	67	ND	15
79-34-5	1,1,2,2-Tetrachloroethane	ND	67	ND	9.8
541-73-1	1,3-Dichlorobenzene	ND	67	ND	11
106-46-7	1,4-Dichlorobenzene	ND	67	ND	11
95-50-1	1,2-Dichlorobenzene	ND	67	ND	11

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW44-07-01
PAI Sample ID : P9800233-006

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/12/98
Date Analyzed : 3/10/98
Volume(s) Analyzed : 0.100 Liter(s)
0.050 Liter(s)

Pi 1 = -1.1
Pf 1 = 3.4

D.F. = 1.33

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	10	ND	4.9
75-01-4	Vinyl Chloride	ND	10	ND	3.9
75-00-3	Chloroethane	ND	10	ND	3.8
74-83-9	Bromomethane	ND	10	ND	2.6
67-64-1	Acetone	240	10	100	4.2
75-69-4	Trichlorofluoromethane	ND	10	ND	1.8
75-35-4	1,1-Dichloroethene	ND	10	ND	2.5
75-09-2	Methylene chloride	13	10	3.8	2.9
75-15-0	Carbon Disulfide	ND	10	ND	3.2
76-13-1	Trichlorotrifluoroethane	ND	10	ND	1.3
156-60-5	trans-1,2-Dichloroethene	ND	10	ND	2.5
156-59-2	cis-1,2-Dichloroethene	ND	10	ND	2.5
75-34-3	1,1-Dichloroethane	16	10	4.0	2.5
1634-04-4	Methyl tert-Butyl Ether	ND	10	ND	2.8
108-05-4	Vinyl Acetate	ND	10	ND	2.8
78-93-3	2-Butanone	8.8 TR	10	3.0 TR	3.4
67-66-3	Chloroform	31	10	6.4	2.1
107-06-2	1,2-Dichloroethane	ND	10	ND	2.5
71-55-6	1,1,1-Trichloroethane	1,400	10	250	1.9
71-43-2	Benzene	ND	10	ND	3.1
56-23-5	Carbon Tetrachloride	ND	10	ND	1.6
78-87-5	1,2-Dichloropropane	ND	10	ND	2.2

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW44-07-01
PAI Sample ID : P9800233-006

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/12/98
Date Analyzed : 3/10/98
Volume(s) Analyzed : 0.100 Liter(s)
0.050 Liter(s)

Pi 1 = -1.1
Pf 1 = 3.4
D.F. = 1.33

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	16	10	2.4	1.5
79-01-6	Trichloroethene	74	10	14	1.9
10061-01-5	cis-1,3-Dichloropropene	ND	10	ND	2.2
108-10-1	4-Methyl-2-pentanone	ND	10	ND	2.4
10061-02-6	trans-1,3-Dichloropropene	ND	10	ND	2.2
79-00-5	1,1,2-Trichloroethane	ND	10	ND	1.9
108-88-3	Toluene	ND	10	ND	2.7
124-48-1	Dibromochloromethane	ND	10	ND	1.2
591-78-6	2-Hexanone	ND	10	ND	2.4
106-93-4	1,2-Dibromoethane	ND	10	ND	1.3
127-18-4	Tetrachloroethene	150	10	23	1.5
108-90-7	Chlorobenzene	ND	10	ND	2.2
100-41-4	Ethylbenzene	ND	10	ND	2.3
75-25-2	Bromoform	ND	10	ND	0.98
100-42-5	Styrene	ND	10	ND	2.4
1330-20-7	m,p-Xylenes	ND	10	ND	2.3
95-47-6	o-Xylene	ND	10	ND	2.3
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	ND	1.5
541-73-1	1,3-Dichlorobenzene	ND	10	ND	1.7
106-46-7	1,4-Dichlorobenzene	ND	10	ND	1.7
95-50-1	1,2-Dichlorobenzene	ND	10	ND	1.7

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW44-16-01
PAI Sample ID : P9800233-007

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/12/98
Date Analyzed : 3/10/98
Volume(s) Analyzed : 0.250 Liter(s)

Pi 1 = -3.4
Pf 1 = 3.4
D.F. = 1.60

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	3.9 TR	4.0	1.9 TR	2.0
75-01-4	Vinyl Chloride	31	4.0	12	1.6
75-00-3	Chloroethane	ND	4.0	ND	1.5
74-83-9	Bromomethane	ND	4.0	ND	1.0
67-64-1	Acetone	33	4.0	14	1.7
75-69-4	Trichlorofluoromethane	3.8 TR	4.0	0.68 TR	0.72
75-35-4	1,1-Dichloroethene	ND	4.0	ND	1.0
75-09-2	Methylene chloride	6.7	4.0	2.0	1.2
75-15-0	Carbon Disulfide	14	4.0	4.5	1.3
76-13-1	Trichlorotrifluoroethane	5.1	4.0	0.67	0.53
156-60-5	trans-1,2-Dichloroethene	ND	4.0	ND	1.0
156-59-2	cis-1,2-Dichloroethene	ND	4.0	ND	1.0
75-34-3	1,1-Dichloroethane	27	4.0	6.7	1.00
1634-04-4	Methyl tert-Butyl Ether	19	4.0	5.2	1.1
108-05-4	Vinyl Acetate	ND	4.0	ND	1.1
78-93-3	2-Butanone	ND	4.0	ND	1.4
67-66-3	Chloroform	55	4.0	11	0.83
107-06-2	1,2-Dichloroethane	5.2	4.0	1.3	1.00
71-55-6	1,1,1-Trichloroethane	520	4.0	97	0.74
71-43-2	Benzene	3.2 TR	4.0	1.0 TR	1.3
56-23-5	Carbon Tetrachloride	ND	4.0	ND	0.64
78-87-5	1,2-Dichloropropane	5.1	4.0	1.1	0.87

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW44-16-01
PAI Sample ID : P9800233-007

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/12/98
Date Analyzed : 3/10/98
Volume(s) Analyzed : 0.250 Liter(s)

Pi 1 = -3.4
Pf 1 = 3.4
D.F. = 1.60

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	30	4.0	4.6	0.60
79-01-6	Trichloroethene	ND	4.0	ND	0.75
10061-01-5	cis-1,3-Dichloropropene	ND	4.0	ND	0.89
108-10-1	4-Methyl-2-pentanone	ND	4.0	ND	0.98
10061-02-6	trans-1,3-Dichloropropene	ND	4.0	ND	0.89
79-00-5	1,1,2-Trichloroethane	ND	4.0	ND	0.74
108-88-3	Toluene	12	4.0	3.1	1.1
124-48-1	Dibromochloromethane	12	4.0	1.5	0.47
591-78-6	2-Hexanone	ND	4.0	ND	0.98
106-93-4	1,2-Dibromoethane	ND	4.0	ND	0.53
127-18-4	Tetrachloroethene	11	4.0	1.7	0.60
108-90-7	Chlorobenzene	ND	4.0	ND	0.87
100-41-4	Ethylbenzene	ND	4.0	ND	0.92
75-25-2	Bromoform	ND	4.0	ND	0.39
100-42-5	Styrene	ND	4.0	ND	0.94
1330-20-7	m,p-Xylenes	4.9	4.0	1.1	0.92
95-47-6	o-Xylene	ND	4.0	ND	0.92
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.0	ND	0.59
541-73-1	1,3-Dichlorobenzene	ND	4.0	ND	0.67
106-46-7	1,4-Dichlorobenzene	ND	4.0	ND	0.67
95-50-1	1,2-Dichlorobenzene	ND	4.0	ND	0.67

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RC

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW44-30-01
PAI Sample ID : P9800233-008

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/12/98
Date Analyzed : 3/16/98
Volume(s) Analyzed : 0.100 Liter(s)

Pi 1 = 0.0
Pf 1 = 3.4
D.F. = 1.23

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb	
74-87-3	Chloromethane	ND	10	ND	4.9	
75-01-4	Vinyl Chloride	130	10	50	3.9	
75-00-3	Chloroethane	ND	10	ND	3.8	
74-83-9	Bromomethane	ND	10	ND	2.6	
67-64-1	Acetone	ND	10	ND	4.2	
75-69-4	Trichlorofluoromethane	ND	10	ND	1.8	
75-35-4	1,1-Dichloroethene	ND	10	ND	2.5	(1)
75-09-2	Methylene chloride	ND	10	ND	2.9	
75-15-0	Carbon Disulfide	ND	10	ND	3.2	
76-13-1	Trichlorotrifluoroethane	ND	10	ND	1.3	
156-60-5	trans-1,2-Dichloroethene	ND	10	ND	2.5	
156-59-2	cis-1,2-Dichloroethene	ND	10	ND	2.5	
75-34-3	1,1-Dichloroethane	170	10	42	2.5	
1634-04-4	Methyl tert-Butyl Ether	ND	10	ND	2.8	
108-05-4	Vinyl Acetate	ND	10	ND	2.8	
78-93-3	2-Butanone	ND	10	ND	3.4	
67-66-3	Chloroform	ND	10	ND	2.1	
107-06-2	1,2-Dichloroethane	ND	10	ND	2.5	(1)
71-55-6	1,1,1-Trichloroethane	310	10	58	1.9	
71-43-2	Benzene	ND	10	ND	3.1	
56-23-5	Carbon Tetrachloride	ND	10	ND	1.6	
78-87-5	1,2-Dichloropropane	170	10	38	2.2	

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RCx

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW44-30-01
PAI Sample ID : P9800233-008

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/12/98
Date Analyzed : 3/16/98
Volume(s) Analyzed : 0.100 Liter(s)

Pi 1 = 0.0
Pf 1 = 3.4

D.F. = 1.23

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	10	ND	1.5
79-01-6	Trichloroethene	ND	10	ND	1.9
10061-01-5	cis-1,3-Dichloropropene	ND	10	ND	2.2
108-10-1	4-Methyl-2-pentanone	ND	10	ND	2.4
10061-02-6	trans-1,3-Dichloropropene	ND	10	ND	2.2
79-00-5	1,1,2-Trichloroethane	ND	10	ND	1.9
108-88-3	Toluene	ND	10	ND	2.7
124-48-1	Dibromochloromethane	ND	10	ND	1.2
591-78-6	2-Hexanone	ND	10	ND	2.4
106-93-4	1,2-Dibromoethane	ND	10	ND	1.3
127-18-4	Tetrachloroethene	ND	10	ND	1.5
108-90-7	Chlorobenzene	ND	10	ND	2.2
100-41-4	Ethylbenzene	ND	10	ND	2.3
75-25-2	Bromoform	ND	10	ND	0.98
100-42-5	Styrene	ND	10	ND	2.4
1330-20-7	m,p-Xylenes	ND	10	ND	2.3
95-47-6	o-Xylene	ND	10	ND	2.3
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	ND	1.5
541-73-1	1,3-Dichlorobenzene	ND	10	ND	1.7
106-46-7	1,4-Dichlorobenzene	ND	10	ND	1.7
95-50-1	1,2-Dichlorobenzene	ND	10	ND	1.7

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VWFD44-30-01
PAI Sample ID : P9800233-009

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/12/98
Date Analyzed : 3/16/98
Volume(s) Analyzed : 0.100 Liter(s)

Pi 1 = 0.0
Pf 1 = 3.6

D.F. = 1.24

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb	
74-87-3	Chloromethane	ND	10	ND	4.9	
75-01-4	Vinyl Chloride	120	10	46	3.9	
75-00-3	Chloroethane	ND	10	ND	3.8	
74-83-9	Bromomethane	ND	10	ND	2.6	
67-64-1	Acetone	ND	10	ND	4.2	
75-69-4	Trichlorofluoromethane	ND	10	ND	1.8	
75-35-4	1,1-Dichloroethene	ND	10	ND	2.5	(1)
75-09-2	Methylene chloride	ND	10	ND	2.9	
75-15-0	Carbon Disulfide	ND	10	ND	3.2	
76-13-1	Trichlorotrifluoroethane	ND	10	ND	1.3	
156-60-5	trans-1,2-Dichloroethene	ND	10	ND	2.5	
156-59-2	cis-1,2-Dichloroethene	ND	10	ND	2.5	
75-34-3	1,1-Dichloroethane	160	10	41	2.5	
1634-04-4	Methyl tert-Butyl Ether	ND	10	ND	2.8	
108-05-4	Vinyl Acetate	ND	10	ND	2.8	
78-93-3	2-Butanone	ND	10	ND	3.4	
67-66-3	Chloroform	ND	10	ND	2.1	
107-06-2	1,2-Dichloroethane	ND	10	ND	2.5	(1)
71-55-6	1,1,1-Trichloroethane	280	10	51	1.9	
71-43-2	Benzene	ND	10	ND	3.1	
56-23-5	Carbon Tetrachloride	ND	10	ND	1.6	
78-87-5	1,2-Dichloropropane	180	10	39	2.2	

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VWFD44-30-01
PAI Sample ID : P9800233-009

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/12/98
Date Analyzed : 3/16/98
Volume(s) Analyzed : 0.100 Liter(s)

Pi 1 = 0.0
Pf 1 = 3.6

D.F. = 1.24

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	10	ND	1.5
79-01-6	Trichloroethene	ND	10	ND	1.9
10061-01-5	cis-1,3-Dichloropropene	ND	10	ND	2.2
108-10-1	4-Methyl-2-pentanone	ND	10	ND	2.4
10061-02-6	trans-1,3-Dichloropropene	ND	10	ND	2.2
79-00-5	1,1,2-Trichloroethane	ND	10	ND	1.9
108-88-3	Toluene	ND	10	ND	2.7
124-48-1	Dibromochloromethane	ND	10	ND	1.2
591-78-6	2-Hexanone	ND	10	ND	2.4
106-93-4	1,2-Dibromoethane	ND	10	ND	1.3
127-18-4	Tetrachloroethene	12	10	1.8	1.5
108-90-7	Chlorobenzene	ND	10	ND	2.2
100-41-4	Ethylbenzene	ND	10	ND	2.3
75-25-2	Bromoform	ND	10	ND	0.98
100-42-5	Styrene	ND	10	ND	2.4
1330-20-7	m,p-Xylenes	ND	10	ND	2.3
95-47-6	o-Xylene	ND	10	ND	2.3
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	ND	1.5
541-73-1	1,3-Dichlorobenzene	ND	10	ND	1.7
106-46-7	1,4-Dichlorobenzene	ND	10	ND	1.7
95-50-1	1,2-Dichlorobenzene	ND	10	ND	1.7

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VWFB44-30-01
PAI Sample ID : P9800233-010

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/12/98
Date Analyzed : 3/12/98
Volume(s) Analyzed : 1.000 Liter(s)

Pi 1 = 4.1
Pf 1 = 4.1

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.49
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
75-00-3	Chloroethane	ND	1.0	ND	0.38
74-83-9	Bromomethane	ND	1.0	ND	0.26
67-64-1	Acetone	ND	1.0	ND	0.42
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	ND	1.0	ND	0.29
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	ND	1.0	ND	0.34
67-66-3	Chloroform	ND	1.0	ND	0.21
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.19
71-43-2	Benzene	ND	1.0	ND	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VWFB44-30-01
PAI Sample ID : P9800233-010

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/12/98
Date Analyzed : 3/12/98
Volume(s) Analyzed : 1.000 Liter(s)

Pi 1 = 4.1
Pf 1 = 4.1

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	3.9	1.0	0.74	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.19
108-88-3	Toluene	ND	1.0	ND	0.27
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
591-78-6	2-Hexanone	ND	1.0	ND	0.24
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	0.54 TR	1.0	0.08 TR	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	ND	1.0	ND	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.24
1330-20-7	m,p-Xylenes	ND	1.0	ND	0.23
95-47-6	o-Xylene	ND	1.0	ND	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 03/09/98
Volume(s) Analyzed : 1.000 Liter(s)

Pi 1 = 0.0
Pf 1 = 0.0

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.49
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
75-00-3	Chloroethane	ND	1.0	ND	0.38
74-83-9	Bromomethane	ND	1.0	ND	0.26
67-64-1	Acetone	ND	1.0	ND	0.42
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	ND	1.0	ND	0.29
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	ND	1.0	ND	0.34
67-66-3	Chloroform	ND	1.0	ND	0.21
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.19
71-43-2	Benzene	ND	1.0	ND	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 3/9/98
Volume(s) Analyzed : 1.000 Liter(s)

Pi 1 = 0.0
Pf 1 = 0.0

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.19
108-88-3	Toluene	ND	1.0	ND	0.27
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
591-78-6	2-Hexanone	ND	1.0	ND	0.24
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	ND	1.0	ND	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.24
1330-20-7	m,p-Xylenes	ND	1.0	ND	0.23
95-47-6	o-Xylene	ND	1.0	ND	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 03/12/98
Volume(s) Analyzed : 1.000 Liter(s)

Pi 1 = 0.0
Pf 1 = 0.0

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.49
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
75-00-3	Chloroethane	ND	1.0	ND	0.38
74-83-9	Bromomethane	ND	1.0	ND	0.26
67-64-1	Acetone	ND	1.0	ND	0.42
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	ND	1.0	ND	0.29
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	ND	1.0	ND	0.34
67-66-3	Chloroform	ND	1.0	ND	0.21
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.19
71-43-2	Benzene	ND	1.0	ND	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RCS

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 3/12/98
Volume(s) Analyzed : 1.000 Liter(s)

Pi 1 = 0.0
Pf 1 = 0.0

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.19
108-88-3	Toluene	ND	1.0	ND	0.27
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
591-78-6	2-Hexanone	ND	1.0	ND	0.24
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	ND	1.0	ND	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.24
1330-20-7	m,p-Xylenes	ND	1.0	ND	0.23
95-47-6	o-Xylene	ND	1.0	ND	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 03/16/98
Volume(s) Analyzed : 1.000 Liter(s)

Pi 1 = 0.0
Pf 1 = 0.0

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.49
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
75-00-3	Chloroethane	ND	1.0	ND	0.38
74-83-9	Bromomethane	ND	1.0	ND	0.26
67-64-1	Acetone	ND	1.0	ND	0.42
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	ND	1.0	ND	0.29
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	ND	1.0	ND	0.34
67-66-3	Chloroform	ND	1.0	ND	0.21
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.19
71-43-2	Benzene	ND	1.0	ND	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 3/16/98
Volume(s) Analyzed : 1.000 Liter(s)

Pi 1 = 0.0
Pf 1 = 0.0

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.19
108-88-3	Toluene	ND	1.0	ND	0.27
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
591-78-6	2-Hexanone	ND	1.0	ND	0.24
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	ND	1.0	ND	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.24
1330-20-7	m,p-Xylenes	ND	1.0	ND	0.23
95-47-6	o-Xylene	ND	1.0	ND	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

P9800233

Ship To: VOC Analytical
Attn: Sample Control
801 Western
Glendale CA

Page 1 of 1
Project Name: WDI
Project No.: 94-256
Site Location: Santa Fe Springs
Date: 2/10/98

CHAIN OF CUSTODY RECORD

G9802231

Boring/Well No.	Sample No.	Depth	Date	Time	Sample Type: Water	Solid	Other	Comp.	Grab	Sample Containers: Vol.	No.	Type	Pres.	Analysis: TO-15	Methane	NMHC	Remarks
WDI-VW3	6BRND		2/10/98	1230			Air			6L	1	Summa		X	X	X	291 -001
WDI-VW3	6-10-01			1514							1			X	X	X	519 -002
WDI-VW3	6-30-01			1307							1			X	X	X	170 -003
WDI-VW3	5-10-01			1347							1			X	X	X	126 -004
WDI-VW3	5-38-01			1349							1			X	X	X	31 -005
WDI-VW4	4-07-01			1500							1			X	X	X	493 -006
WDI-VW4	4-K-01										1			X	X	X	9 -007
WDI-VW4	4-30-01			1450							1			X	X	X	44 -008
WDI-VWF	044-30-01			1450							1			X	X	X	1107 -009
WDI-VWF	B44-30-01		↓	1516			↓			↓	1	↓		X	X	X	186 -010

Total Number of Samples Shipped: 10 Shipper's Signature: Glenn Andrusha

	Signature	Company	Date	Time
Relinquished by:	Glenn Andrusha	TRI	2/11/98	1350
Received by:	Mata	VOC	2/11/98	1350
Relinquished by:	Mata	VOC	2/11/98	
Received by:		ARIA	2/11/98	4.50
Relinquished by:		ARIA	2/11/98	5.40
Received by:	Sharon Malone	VOC	2/11/98	1740
			2/12/98	11:30 AM

Special Instructions / Shipment / Handling / Storage Requirements: Rush-D 15 PAI

Send result attn. Roberto Puga

The material(s) listed are received for analysis and/or treatability evaluation and remain the property of the client and not Environmental Solutions, Inc. At the conclusion of the test work, all remaining material(s) will be returned to the client for eventual disposal at a licensed facility.

☒ ENVIRONMENTAL SOLUTIONS, INC.
21 Technology Drive
Irvine, California 92718

☐ ENVIRONMENTAL SOLUTIONS, INC.
1172 Pelican Bay Drive
Daytona Beach, Florida 32119

☐ ENVIRONMENTAL SOLUTIONS, INC.
1201 N. McDowell Boulevard
Petaluma, California 94954

☐ ENVIRONMENTAL SOLUTIONS, INC.
2815 Mitchell Drive, Suite 103
Walnut Creek, California 94598

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VWBKGRND
PAI Sample ID : P9800233-001

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/12/98
Date Analyzed : 2/24/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = -0.2 Pf 1 = 3.5
D.F. = 1.26

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	2.2	0.50
	Total Non-Methane Organics (as Methane)	1.6	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VWBKGRND
PAI Sample ID : P9800233-001 Laboratory Duplicate

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/12/98
Date Analyzed : 2/24/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = -0.2 Pf 1 = 3.5

D.F. = 1.26

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	2.2	0.50
	Total Non-Methane Organics (as Methane)	1.8	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RCT

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW36-10-01
PAI Sample ID : P9800233-002

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/12/98
Date Analyzed : 2/24/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = -0.3 Pf 1 = 3.5
D.F. = 1.26

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	2.8	0.50
	Total Non-Methane Organics (as Methane)	16	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RC

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW36-30-01
PAI Sample ID : P9800233-003

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/12/98
Date Analyzed : 2/24/98
Volume(s) Analyzed : 0.50 ml

Pi l = 0.1 Pf l = 3.4

D.F. = 1.22

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	ND	0.50
	Total Non-Methane Organics (as Methane)	70	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW35-10-01
PAI Sample ID : P9800233-004

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/12/98
Date Analyzed : 2/24/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = 0.1 Pf 1 = 3.5

D.F. = 1.23

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	2.9	0.50
	Total Non-Methane Organics (as Methane)	25	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW35-38-01
PAI Sample ID : P9800233-005

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/12/98
Date Analyzed : 2/24/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = 0.0 Pf 1 = 3.5

D.F. = 1.24

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	5.3	0.50
	Total Non-Methane Organics (as Methane)	85	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW44-07-01
PAI Sample ID : P9800233-006

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/12/98
Date Analyzed : 2/24/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = -1.1 Pf 1 = 3.4

D.F. = 1.33

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	27	0.50
	Total Non-Methane Organics (as Methane)	78	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW44-16-01
PAI Sample ID : P9800233-007

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/12/98
Date Analyzed : 2/24/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = -3.4 Pf 1 = 3.4

D.F. = 1.60

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	1,600	0.50
	Total Non-Methane Organics (as Methane)	47	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW44-30-01
PAI Sample ID : P9800233-008

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/12/98
Date Analyzed : 2/24/98
Volume(s) Analyzed : 0.50 ml
0.062 ml

Pi 1 = 0.0 Pf 1 = 3.4

D.F. = 1.23

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	5,700	0.50
	Total Non-Methane Organics (as Methane)	140	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VWFD44-30-01
PAI Sample ID : P9800233-009

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/12/98
Date Analyzed : 2/24/98
Volume(s) Analyzed : 0.50 ml
0.062 ml

Pi 1 = 0.0 Pf 1 = 3.6

D.F. = 1.24

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	5,800	0.50
	Total Non-Methane Organics (as Methane)	150	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VWFB44-30-01
PAI Sample ID : P9800233-010

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/12/98
Date Analyzed : 2/24/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = 4.1 Pf 1 = 4.1

D.F. = 1.00

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	0.90	0.50
	Total Non-Methane Organics (as Methane)	1.5	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : N/A
PAI Sample ID : PAI Method Blank

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 2/24/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = 0.0 Pf 1 = 0.0

D.F. = 1.00

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	ND	0.50
	Total Non-Methane Organics (as Methane)	ND	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RCS

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW14-35-01
PAI Sample ID : P9800245-001

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/12/98
Date Received : 2/13/98
Date Analyzed : 3/2/98
Volume(s) Analyzed : 0.062 ml

Pi 1 = 0.4 Pf 1 = 3.6

D.F. = 1.21

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	7,200	4.0
	Total Non-Methane Organics (as Methane)	550	8.1

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW14-35-01
PAI Sample ID : P9800245-001 (Laboratory Duplicate)

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/12/98
Date Received : 2/13/98
Date Analyzed : 3/2/98
Volume(s) Analyzed : 0.062 ml

Pi 1 = 0.4 Pf 1 = 3.6

D.F. = 1.21

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	7,200	4.0
	Total Non-Methane Organics (as Methane)	500	8.1

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW02-35-01
PAI Sample ID : P9800245-002

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/12/98
Date Received : 2/13/98
Date Analyzed : 3/2/98
Volume(s) Analyzed : 0.062 ml

Pi 1 = 0.3 Pf 1 = 3.5

D.F. = 1.21

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	33,000	4.0
	Total Non-Methane Organics (as Methane)	1,200	8.1

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW05-29-01
PAI Sample ID : P9800245-003

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/12/98
Date Received : 2/13/98
Date Analyzed : 3/2/98
Volume(s) Analyzed : 0.062 ml

Pi 1 = 0.2 Pf 1 = 4.7

D.F. = 1.30

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	12,000	4.0
	Total Non-Methane Organics (as Methane)	91	8.1

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VWFD05-29-01
PAI Sample ID : P9800245-004

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/12/98
Date Received : 2/13/98
Date Analyzed : 3/2/98
Volume(s) Analyzed : 0.062 ml

Pi 1 = 0.2 Pf 1 = 3.5
D.F. = 1.22

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	12,000	4.0
	Total Non-Methane Organics (as Methane)	85	8.1

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW08-35-01
PAI Sample ID : P9800245-005

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/12/98
Date Received : 2/13/98
Date Analyzed : 3/2/98
Volume(s) Analyzed : 0.062 ml

Pi 1 = 0.0 Pf 1 = 3.5

D.F. = 1.24

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	8,600	4.0
	Total Non-Methane Organics (as Methane)	100	8.1

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW47-18-01
PAI Sample ID : P9800245-006

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/12/98
Date Received : 2/13/98
Date Analyzed : 3/2/98
Volume(s) Analyzed : 0.062 ml

Pi I = 0.1 Pf I = 3.5

D.F. = 1.23

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	680	4.0
	Total Non-Methane Organics (as Methane)	110	8.1

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW47-30-01
PAI Sample ID : P9800245-007

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/12/98
Date Received : 2/13/98
Date Analyzed : 3/2/98
Volume(s) Analyzed : 0.062 ml

Pi 1 = 0.1 Pf 1 = 3.5

D.F. = 1.23

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	2,100	4.0
	Total Non-Methane Organics (as Methane)	160	8.1

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW13-31-01
PAI Sample ID : P9800245-008

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/12/98
Date Received : 2/13/98
Date Analyzed : 3/2/98
Volume(s) Analyzed : 0.062 ml

Pi 1 = 0.2 Pf 1 = 3.5

D.F. = 1.22

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	13,000	4.0
	Total Non-Methane Organics (as Methane)	200	8.1

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW01-35-01
PAI Sample ID : P9800245-009

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/12/98
Date Received : 2/13/98
Date Analyzed : 3/2/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = 0.3 Pf 1 = 3.5

D.F. = 1.21

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	0.92	0.50
	Total Non-Methane Organics (as Methane)	100	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VWFB01-35-01
PAI Sample ID : P9800245-010

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/12/98
Date Received : 2/13/98
Date Analyzed : 3/2/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = 8.2 Pf 1 = 8.2

D.F. = 1.00

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	3.6	0.50
	Total Non-Methane Organics (as Methane)	1.2	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : N/A
PAI Sample ID : PAI Method Blank

Test Code :	EPA 25C	Date Sampled :	N/A
Instrument :	HP5890A/FID/TCA	Date Received :	N/A
Analyst :	Wade Henton	Date Analyzed :	3/2/98
Matrix :	Summa Canister	Volume(s) Analyzed :	0.50 ml

Pi 1 = 0.0 Pf 1 = 0.0

D.F. = 1.00

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	ND	0.50
	Total Non-Methane Organics (as Methane)	ND	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW14-35-01
PAI Sample ID : P9800245-001

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Teknar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/12/98
Date Received : 2/13/98
Date Analyzed : 3/16/98
Volume(s) Analyzed : 0.025 (liters)

Pi 1 = 0.4
Pf 1 = 3.6 **D.F. = 1.21**

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	40	ND	19
75-01-4	Vinyl Chloride	940	40	370	16
74-83-9	Bromomethane	ND	40	ND	10
75-00-3	Chloroethane	64	40	24	15
67-64-1	Acetone	ND	40	ND	17
75-69-4	Trichlorofluoromethane	ND	40	ND	7.1
75-35-4	1,1-Dichloroethene	ND	40	ND	10
75-09-2	Methylene Chloride	ND	40	ND	12
76-13-1	Trichlorotrifluoroethane	ND	40	ND	5.2
75-15-0	Carbon Disulfide	ND	40	ND	13
156-60-5	trans-1,2-Dichloroethene	ND	40	ND	10
75-34-3	1,1-Dichloroethane	390	40	95	9.9
1634-04-4	Methyl tert-Butyl Ether	ND	40	ND	11
108-05-4	Vinyl Acetate	ND	40	ND	11
78-93-3	2-Butanone	ND	40	ND	14
156-59-2	cis-1,2-Dichloroethene	160	40	41	10
67-66-3	Chloroform	ND	40	ND	8.2
107-06-2	1,2-Dichloroethane	90	40	22	9.9
71-55-6	1,1,1-Trichloroethane	ND	40	ND	7.3
71-43-2	Benzene	120	40	37	13
56-23-5	Carbon Tetrachloride	ND	40	ND	6.4
78-87-5	1,2-Dichloropropane	670	40	140	8.7

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW14-35-01
PAI Sample ID : P9800245-001

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/12/98
Date Received : 2/13/98
Date Analyzed : 3/16/98
Volume(s) Analyzed : 0.025 (liters)

Pi 1 = 0.4
Pf 1 = 3.6
D.F. = 1.21

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	40	ND	6.0
79-01-6	Trichloroethene	57	40	11	7.4
10061-02-5	cis-1,3-Dichloropropene	ND	40	ND	8.8
108-10-1	4-Methyl-2-Pentanone	ND	40	ND	9.8
10061-02-6	trans-1,3-Dichloropropene	ND	40	ND	8.8
79-00-5	1,1,2-Trichloroethane	ND	40	ND	7.3
108-88-3	Toluene	48	40	13	11
591-78-6	2-Hexanone	ND	40	ND	9.8
124-48-1	Dibromochloromethane	ND	40	ND	4.7
106-93-4	1,2-Dibromoethane	ND	40	ND	5.2
127-18-4	Tetrachloroethene	130	40	20	5.9
108-90-7	Chlorobenzene	ND	40	ND	8.7
100-41-4	Ethylbenzene	1,000	40	230	9.2
1330-20-7	m- & p-Xylene	2,700	40	620	9.2
75-25-2	Bromoform	ND	40	ND	3.9
100-42-5	Styrene	ND	40	ND	9.4
95-47-6	o-Xylene	260	40	60	9.2
79-34-5	1,1,2,2-Tetrachloroethane	ND	40	ND	5.8
541-73-1	1,3-Dichlorobenzene	ND	40	ND	6.7
106-46-7	1,4-Dichlorobenzene	ND	40	ND	6.7
95-50-1	1,2-Dichlorobenzene	ND	40	ND	6.7

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/17/98

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW02-35-01
PAI Sample ID : P9800245-002

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/12/98
Date Received : 2/13/98
Date Analyzed : 3/16/98
Volume(s) Analyzed : 0.100 (liters)

Pi 1 = 0.3
Pf 1 = 3.5 **D.F. = 1.21**

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	10	ND	4.8
75-01-4	Vinyl Chloride	ND	10	ND	3.9
74-83-9	Bromomethane	ND	10	ND	2.6
75-00-3	Chloroethane	ND	10	ND	3.8
67-64-1	Acetone	ND	10	ND	4.2
75-69-4	Trichlorofluoromethane	ND	10	ND	1.8
75-35-4	1,1-Dichloroethene	ND	10	ND	2.5
75-09-2	Methylene Chloride	ND	10	ND	2.9
76-13-1	Trichlorotrifluoroethane	ND	10	ND	1.3
75-15-0	Carbon Disulfide	ND	10	ND	3.2
156-60-5	trans-1,2-Dichloroethene	ND	10	ND	2.5
75-34-3	1,1-Dichloroethane	ND	10	ND	2.5
1634-04-4	Methyl tert-Butyl Ether	ND	10	ND	2.8
108-05-4	Vinyl Acetate	ND	10	ND	2.8
78-93-3	2-Butanone	ND	10	ND	3.4
156-59-2	cis-1,2-Dichloroethene	ND	10	ND	2.5
67-66-3	Chloroform	ND	10	ND	2.0
107-06-2	1,2-Dichloroethane	ND	10	ND	2.5
71-55-6	1,1,1-Trichloroethane	ND	10	ND	1.8
71-43-2	Benzene	ND	10	ND	3.1
56-23-5	Carbon Tetrachloride	ND	10	ND	1.6
78-87-5	1,2-Dichloropropane	ND	10	ND	2.2

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW02-35-01
PAI Sample ID : P9800245-002

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/12/98
Date Received : 2/13/98
Date Analyzed : 3/16/98
Volume(s) Analyzed : 0.100 (liters)

Pi 1 = 0.3
Pf 1 = 3.5
D.F. = 1.21

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	10	ND	1.5
79-01-6	Trichloroethene	ND	10	ND	1.9
10061-02-5	cis-1,3-Dichloropropene	ND	10	ND	2.2
108-10-1	4-Methyl-2-Pentanone	ND	10	ND	2.4
10061-02-6	trans-1,3-Dichloropropene	ND	10	ND	2.2
79-00-5	1,1,2-Trichloroethane	ND	10	ND	1.8
108-88-3	Toluene	ND	10	ND	2.7
591-78-6	2-Hexanone	ND	10	ND	2.4
124-48-1	Dibromochloromethane	ND	10	ND	1.2
106-93-4	1,2-Dibromoethane	ND	10	ND	1.3
127-18-4	Tetrachloroethene	ND	10	ND	1.5
108-90-7	Chlorobenzene	ND	10	ND	2.2
100-41-4	Ethylbenzene	ND	10	ND	2.3
1330-20-7	m- & p-Xylene	6.5 TR	10	1.5 TR	2.3
75-25-2	Bromoform	ND	10	ND	0.97
100-42-5	Styrene	ND	10	ND	2.3
95-47-6	o-Xylene	ND	10	ND	2.3
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	ND	1.5
541-73-1	1,3-Dichlorobenzene	ND	10	ND	1.7
106-46-7	1,4-Dichlorobenzene	ND	10	ND	1.7
95-50-1	1,2-Dichlorobenzene	ND	10	ND	1.7

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW05-29-01
PAI Sample ID : P9800245-003

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/12/98
Date Received : 2/13/98
Date Analyzed : 3/17/98
Volume(s) Analyzed : 0.250 (liters)

Pi 1 = 0.2
Pf 1 = 4.7
D.F. = 1.30

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	4.0	ND	1.9
75-01-4	Vinyl Chloride	ND	4.0	ND	1.6
74-83-9	Bromomethane	ND	4.0	ND	1.0
75-00-3	Chloroethane	ND	4.0	ND	1.5
67-64-1	Acetone	ND	4.0	ND	1.7
75-69-4	Trichlorofluoromethane	ND	4.0	ND	0.71
75-35-4	1,1-Dichloroethene	ND	4.0	ND	1.0
75-09-2	Methylene Chloride	ND	4.0	ND	1.2
76-13-1	Trichlorotrifluoroethane	ND	4.0	ND	0.52
75-15-0	Carbon Disulfide	ND	4.0	ND	1.3
156-60-5	trans-1,2-Dichloroethene	ND	4.0	ND	1.0
75-34-3	1,1-Dichloroethane	ND	4.0	ND	0.99
1634-04-4	Methyl tert-Butyl Ether	ND	4.0	ND	1.1
108-05-4	Vinyl Acetate	ND	4.0	ND	1.1
78-93-3	2-Butanone	ND	4.0	ND	1.4
156-59-2	cis-1,2-Dichloroethene	3.4 TR	4.0	0.85 TR	1.0
67-66-3	Chloroform	ND	4.0	ND	0.82
107-06-2	1,2-Dichloroethane	ND	4.0	ND	0.99
71-55-6	1,1,1-Trichloroethane	ND	4.0	ND	0.73
71-43-2	Benzene	ND	4.0	ND	1.3
56-23-5	Carbon Tetrachloride	ND	4.0	ND	0.64
78-87-5	1,2-Dichloropropane	ND	4.0	ND	0.87

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RCS **Date:** 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW05-29-01
PAI Sample ID : P9800245-003

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/12/98
Date Received : 2/13/98
Date Analyzed : 3/17/98
Volume(s) Analyzed : 0.250 (liters)

Pi 1 = 0.2
Pf 1 = 4.7
D.F. = 1.30

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	4.0	ND	0.60
79-01-6	Trichloroethene	14	4.0	2.6	0.74
10061-02-5	cis-1,3-Dichloropropene	ND	4.0	ND	0.88
108-10-1	4-Methyl-2-Pentanone	ND	4.0	ND	0.98
10061-02-6	trans-1,3-Dichloropropene	ND	4.0	ND	0.88
79-00-5	1,1,2-Trichloroethane	ND	4.0	ND	0.73
108-88-3	Toluene	ND	4.0	ND	1.1
591-78-6	2-Hexanone	ND	4.0	ND	0.98
124-48-1	Dibromochloromethane	ND	4.0	ND	0.47
106-93-4	1,2-Dibromoethane	ND	4.0	ND	0.52
127-18-4	Tetrachloroethene	120	4.0	17	0.59
108-90-7	Chlorobenzene	ND	4.0	ND	0.87
100-41-4	Ethylbenzene	ND	4.0	ND	0.92
1330-20-7	m- & p-Xylene	ND	4.0	ND	0.92
75-25-2	Bromoform	ND	4.0	ND	0.39
100-42-5	Styrene	ND	4.0	ND	0.94
95-47-6	o-Xylene	ND	4.0	ND	0.92
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.0	ND	0.58
541-73-1	1,3-Dichlorobenzene	ND	4.0	ND	0.67
106-46-7	1,4-Dichlorobenzene	ND	4.0	ND	0.67
95-50-1	1,2-Dichlorobenzene	ND	4.0	ND	0.67

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VWFD05-29-01
PAI Sample ID : P9800245-004

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/12/98
Date Received : 2/13/98
Date Analyzed : 3/17/98
Volume(s) Analyzed : 0.250 (liters)

Pi 1 = 0.2
Pf 1 = 3.5
D.F. = 1.22

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	4.0	ND	1.9
75-01-4	Vinyl Chloride	ND	4.0	ND	1.6
74-83-9	Bromomethane	ND	4.0	ND	1.0
75-00-3	Chloroethane	ND	4.0	ND	1.5
67-64-1	Acetone	11	4.0	4.5	1.7
75-69-4	Trichlorofluoromethane	ND	4.0	ND	0.71
75-35-4	1,1-Dichloroethene	ND	4.0	ND	1.0
75-09-2	Methylene Chloride	ND	4.0	ND	1.2
76-13-1	Trichlorotrifluoroethane	ND	4.0	ND	0.52
75-15-0	Carbon Disulfide	ND	4.0	ND	1.3
156-60-5	trans-1,2-Dichloroethene	ND	4.0	ND	1.0
75-34-3	1,1-Dichloroethane	ND	4.0	ND	0.99
1634-04-4	Methyl tert-Butyl Ether	ND	4.0	ND	1.1
108-05-4	Vinyl Acetate	ND	4.0	ND	1.1
78-93-3	2-Butanone	5.0	4.0	1.7	1.4
156-59-2	cis-1,2-Dichloroethene	2.9 TR	4.0	0.73 TR	1.0
67-66-3	Chloroform	ND	4.0	ND	0.82
107-06-2	1,2-Dichloroethane	ND	4.0	ND	0.99
71-55-6	1,1,1-Trichloroethane	ND	4.0	ND	0.73
71-43-2	Benzene	ND	4.0	ND	1.3
56-23-5	Carbon Tetrachloride	ND	4.0	ND	0.64
78-87-5	1,2-Dichloropropane	ND	4.0	ND	0.87

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VWFD05-29-01
PAI Sample ID : P9800245-004

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/12/98
Date Received : 2/13/98
Date Analyzed : 3/17/98
Volume(s) Analyzed : 0.250 (liters)

Pi 1 = 0.2
Pf 1 = 3.5
D.F. = 1.22

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	4.0	ND	0.60
79-01-6	Trichloroethene	15	4.0	2.7	0.74
10061-02-5	cis-1,3-Dichloropropene	ND	4.0	ND	0.88
108-10-1	4-Methyl-2-Pentanone	ND	4.0	ND	0.98
10061-02-6	trans-1,3-Dichloropropene	ND	4.0	ND	0.88
79-00-5	1,1,2-Trichloroethane	ND	4.0	ND	0.73
108-88-3	Toluene	ND	4.0	ND	1.1
591-78-6	2-Hexanone	ND	4.0	ND	0.98
124-48-1	Dibromochloromethane	ND	4.0	ND	0.47
106-93-4	1,2-Dibromoethane	ND	4.0	ND	0.52
127-18-4	Tetrachloroethene	120	4.0	17	0.59
108-90-7	Chlorobenzene	ND	4.0	ND	0.87
100-41-4	Ethylbenzene	ND	4.0	ND	0.92
1330-20-7	m- & p-Xylene	ND	4.0	ND	0.92
75-25-2	Bromoform	ND	4.0	ND	0.39
100-42-5	Styrene	3.6 TR	4.0	0.84 TR	0.94
95-47-6	o-Xylene	ND	4.0	ND	0.92
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.0	ND	0.58
541-73-1	1,3-Dichlorobenzene	ND	4.0	ND	0.67
106-46-7	1,4-Dichlorobenzene	ND	4.0	ND	0.67
95-50-1	1,2-Dichlorobenzene	ND	4.0	ND	0.67

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW08-35-01
PAI Sample ID : P9800245-005

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/12/98
Date Received : 2/13/98
Date Analyzed : 3/17/98
Volume(s) Analyzed : 0.250 (liters)

Pi 1 = 0.0
Pf 1 = 3.5 **D.F. = 1.24**

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	4.0	ND	1.9
75-01-4	Vinyl Chloride	12	4.0	4.6	1.6
74-83-9	Bromomethane	ND	4.0	ND	1.0
75-00-3	Chloroethane	ND	4.0	ND	1.5
67-64-1	Acetone	2.7 TR	4.0	1.1 TR	1.7
75-69-4	Trichlorofluoromethane	ND	4.0	ND	0.71
75-35-4	1,1-Dichloroethene	ND	4.0	ND	1.0
75-09-2	Methylene Chloride	ND	4.0	ND	1.2
76-13-1	Trichlorotrifluoroethane	ND	4.0	ND	0.52
75-15-0	Carbon Disulfide	ND	4.0	ND	1.3
156-60-5	trans-1,2-Dichloroethene	ND	4.0	ND	1.0
75-34-3	1,1-Dichloroethane	ND	4.0	ND	0.99
1634-04-4	Methyl tert-Butyl Ether	ND	4.0	ND	1.1
108-05-4	Vinyl Acetate	ND	4.0	ND	1.1
78-93-3	2-Butanone	ND	4.0	ND	1.4
156-59-2	cis-1,2-Dichloroethene	ND	4.0	ND	1.0
67-66-3	Chloroform	ND	4.0	ND	0.82
107-06-2	1,2-Dichloroethane	ND	4.0	ND	0.99
71-55-6	1,1,1-Trichloroethane	ND	4.0	ND	0.73
71-43-2	Benzene	2.5 TR	4.0	0.79 TR	1.3
56-23-5	Carbon Tetrachloride	ND	4.0	ND	0.64
78-87-5	1,2-Dichloropropane	ND	4.0	ND	0.87

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW08-35-01
PAI Sample ID : P9800245-005

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/12/98
Date Received : 2/13/98
Date Analyzed : 3/17/98
Volume(s) Analyzed : 0.250 (liters)

Pi 1 = 0.0
Pf 1 = 3.5
D.F. = 1.24

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	4.0	ND	0.60
79-01-6	Trichloroethene	ND	4.0	ND	0.74
10061-02-5	cis-1,3-Dichloropropene	ND	4.0	ND	0.88
108-10-1	4-Methyl-2-Pentanone	ND	4.0	ND	0.98
10061-02-6	trans-1,3-Dichloropropene	ND	4.0	ND	0.88
79-00-5	1,1,2-Trichloroethane	ND	4.0	ND	0.73
108-88-3	Toluene	3.5 TR	4.0	0.92 TR	1.1
591-78-6	2-Hexanone	ND	4.0	ND	0.98
124-48-1	Dibromochloromethane	ND	4.0	ND	0.47
106-93-4	1,2-Dibromoethane	ND	4.0	ND	0.52
127-18-4	Tetrachloroethene	11	4.0	1.6	0.59
108-90-7	Chlorobenzene	ND	4.0	ND	0.87
100-41-4	Ethylbenzene	ND	4.0	ND	0.92
1330-20-7	m- & p-Xylene	ND	4.0	ND	0.92
75-25-2	Bromoform	ND	4.0	ND	0.39
100-42-5	Styrene	ND	4.0	ND	0.94
95-47-6	o-Xylene	ND	4.0	ND	0.92
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.0	ND	0.58
541-73-1	1,3-Dichlorobenzene	ND	4.0	ND	0.67
106-46-7	1,4-Dichlorobenzene	ND	4.0	ND	0.67
95-50-1	1,2-Dichlorobenzene	ND	4.0	ND	0.67

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW47-18-01
PAI Sample ID : P9800245-006

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/12/98
Date Received : 2/13/98
Date Analyzed : 3/17/98
Volume(s) Analyzed : 0.250 (liters)

Pf 1 = 0.1
Pf 1 = 3.5 **D.F. = 1.23**

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	4.0	ND	1.9
75-01-4	Vinyl Chloride	ND	4.0	ND	1.6
74-83-9	Bromomethane	ND	4.0	ND	1.0
75-00-3	Chloroethane	ND	4.0	ND	1.5
67-64-1	Acetone	15	4.0	6.5	1.7
75-69-4	Trichlorofluoromethane	4.1	4.0	0.73	0.71
75-35-4	1,1-Dichloroethene	ND	4.0	ND	1.0
75-09-2	Methylene Chloride	2.6 TR	4.0	0.74 TR	1.2
76-13-1	Trichlorotrifluoroethane	ND	4.0	ND	0.52
75-15-0	Carbon Disulfide	6.7	4.0	2.2	1.3
156-60-5	trans-1,2-Dichloroethene	ND	4.0	ND	1.0
75-34-3	1,1-Dichloroethane	ND	4.0	ND	0.99
1634-04-4	Methyl tert-Butyl Ether	4.0	4.0	1.1	1.1
108-05-4	Vinyl Acetate	ND	4.0	ND	1.1
78-93-3	2-Butanone	ND	4.0	ND	1.4
156-59-2	cis-1,2-Dichloroethene	ND	4.0	ND	1.0
67-66-3	Chloroform	33	4.0	6.7	0.82
107-06-2	1,2-Dichloroethane	45	4.0	11	0.99
71-55-6	1,1,1-Trichloroethane	35	4.0	6.5	0.73
71-43-2	Benzene	ND	4.0	ND	1.3
56-23-5	Carbon Tetrachloride	ND	4.0	ND	0.64
78-87-5	1,2-Dichloropropane	ND	4.0	ND	0.87

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW47-18-01
PAI Sample ID : P9800245-006

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/12/98
Date Received : 2/13/98
Date Analyzed : 3/17/98
Volume(s) Analyzed : 0.250 (liters)

Pi 1 = 0.1
Pf 1 = 3.5 **D.F. = 1.23**

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	12	4.0	1.9	0.60
79-01-6	Trichloroethene	13	4.0	2.5	0.74
10061-02-5	cis-1,3-Dichloropropene	ND	4.0	ND	0.88
108-10-1	4-Methyl-2-Pentanone	ND	4.0	ND	0.98
10061-02-6	trans-1,3-Dichloropropene	ND	4.0	ND	0.88
79-00-5	1,1,2-Trichloroethane	ND	4.0	ND	0.73
108-88-3	Toluene	9.5	4.0	2.5	1.1
591-78-6	2-Hexanone	ND	4.0	ND	0.98
124-48-1	Dibromochloromethane	3.0 TR	4.0	0.35 TR	0.47
106-93-4	1,2-Dibromoethane	ND	4.0	ND	0.52
127-18-4	Tetrachloroethene	67	4.0	9.9	0.59
108-90-7	Chlorobenzene	ND	4.0	ND	0.87
100-41-4	Ethylbenzene	ND	4.0	ND	0.92
1330-20-7	m- & p-Xylene	7.0	4.0	1.6	0.92
75-25-2	Bromoform	ND	4.0	ND	0.39
100-42-5	Styrene	ND	4.0	ND	0.94
95-47-6	o-Xylene	2.5 TR	4.0	0.58 TR	0.92
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.0	ND	0.58
541-73-1	1,3-Dichlorobenzene	ND	4.0	ND	0.67
106-46-7	1,4-Dichlorobenzene	ND	4.0	ND	0.67
95-50-1	1,2-Dichlorobenzene	ND	4.0	ND	0.67

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW47-18-01
PAI Sample ID : P9800245-006 (Laboratory Duplicate)

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/12/98
Date Received : 2/13/98
Date Analyzed : 3/17/98
Volume(s) Analyzed : 0.250 (liters)

Pi 1 = 0.1
Pf 1 = 3.5 **D.F. = 1.23**

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	4.0	ND	1.9
75-01-4	Vinyl Chloride	ND	4.0	ND	1.6
74-83-9	Bromomethane	ND	4.0	ND	1.0
75-00-3	Chloroethane	ND	4.0	ND	1.5
67-64-1	Acetone	14	4.0	5.8	1.7
75-69-4	Trichlorofluoromethane	3.9 TR	4.0	0.70 TR	0.71
75-35-4	1,1-Dichloroethene	ND	4.0	ND	1.0
75-09-2	Methylene Chloride	2.4 TR	4.0	0.69 TR	1.2
76-13-1	Trichlorotrifluoroethane	ND	4.0	ND	0.52
75-15-0	Carbon Disulfide	6.6	4.0	2.1	1.3
156-60-5	trans-1,2-Dichloroethene	ND	4.0	ND	1.0
75-34-3	1,1-Dichloroethane	ND	4.0	ND	0.99
1634-04-4	Methyl tert-Butyl Ether	4.0	4.0	1.1	1.1
108-05-4	Vinyl Acetate	ND	4.0	ND	1.1
78-93-3	2-Butanone	ND	4.0	ND	1.4
156-59-2	cis-1,2-Dichloroethene	ND	4.0	ND	1.0
67-66-3	Chloroform	32	4.0	6.6	0.82
107-06-2	1,2-Dichloroethane	44	4.0	11	0.99
71-55-6	1,1,1-Trichloroethane	35	4.0	6.4	0.73
71-43-2	Benzene	ND	4.0	ND	1.3
56-23-5	Carbon Tetrachloride	ND	4.0	ND	0.64
78-87-5	1,2-Dichloropropane	ND	4.0	ND	0.87

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW47-18-01
PAI Sample ID : P9800245-006 (Laboratory Duplicate)

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/12/98
Date Received : 2/13/98
Date Analyzed : 3/17/98
Volume(s) Analyzed : 0.250 (liters)

Pi 1 = 0.1
Pf 1 = 3.5 **D.F. = 1.23**

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	13	4.0	1.9	0.60
79-01-6	Trichloroethene	13	4.0	2.4	0.74
10061-02-5	cis-1,3-Dichloropropene	ND	4.0	ND	0.88
108-10-1	4-Methyl-2-Pentanone	ND	4.0	ND	0.98
10061-02-6	trans-1,3-Dichloropropene	ND	4.0	ND	0.88
79-00-5	1,1,2-Trichloroethane	ND	4.0	ND	0.73
108-88-3	Toluene	9.8	4.0	2.6	1.1
591-78-6	2-Hexanone	ND	4.0	ND	0.98
124-48-1	Dibromochloromethane	3.0 TR	4.0	0.35 TR	0.47
106-93-4	1,2-Dibromoethane	ND	4.0	ND	0.52
127-18-4	Tetrachloroethene	69	4.0	10	0.59
108-90-7	Chlorobenzene	ND	4.0	ND	0.87
100-41-4	Ethylbenzene	ND	4.0	ND	0.92
1330-20-7	m- & p-Xylene	7.0	4.0	1.6	0.92
75-25-2	Bromoform	ND	4.0	ND	0.39
100-42-5	Styrene	ND	4.0	ND	0.94
95-47-6	o-Xylene	2.5 TR	4.0	0.58 TR	0.92
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.0	ND	0.58
541-73-1	1,3-Dichlorobenzene	ND	4.0	ND	0.67
106-46-7	1,4-Dichlorobenzene	ND	4.0	ND	0.67
95-50-1	1,2-Dichlorobenzene	ND	4.0	ND	0.67

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW47-30-01
PAI Sample ID : P9800245-007

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/12/98
Date Received : 2/13/98
Date Analyzed : 3/17/98
Volume(s) Analyzed : 0.250 (liters)

Pi 1 = 0.1
Pf 1 = 3.5
D.F. = 1.23

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	4.0	ND	1.9
75-01-4	Vinyl Chloride	ND	4.0	ND	1.6
74-83-9	Bromomethane	ND	4.0	ND	1.0
75-00-3	Chloroethane	ND	4.0	ND	1.5
67-64-1	Acetone	34	4.0	14	1.7
75-69-4	Trichlorofluoromethane	ND	4.0	ND	0.71
75-35-4	1,1-Dichloroethene	ND	4.0	ND	1.0
75-09-2	Methylene Chloride	ND	4.0	ND	1.2
76-13-1	Trichlorotrifluoroethane	ND	4.0	ND	0.52
75-15-0	Carbon Disulfide	6.9	4.0	2.2	1.3
156-60-5	trans-1,2-Dichloroethene	ND	4.0	ND	1.0
75-34-3	1,1-Dichloroethane	ND	4.0	ND	0.99
1634-04-4	Methyl tert-Butyl Ether	ND	4.0	ND	1.1
108-05-4	Vinyl Acetate	ND	4.0	ND	1.1
78-93-3	2-Butanone	3.3 TR	4.0	1.1 TR	1.4
156-59-2	cis-1,2-Dichloroethene	ND	4.0	ND	1.0
67-66-3	Chloroform	ND	4.0	ND	0.82
107-06-2	1,2-Dichloroethane	20	4.0	4.9	0.99
71-55-6	1,1,1-Trichloroethane	ND	4.0	ND	0.73
71-43-2	Benzene	ND	4.0	ND	1.3
56-23-5	Carbon Tetrachloride	ND	4.0	ND	0.64
78-87-5	1,2-Dichloropropane	ND	4.0	ND	0.87

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/17/98

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW47-30-01
PAI Sample ID : P9800245-007

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell.
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/12/98
Date Received : 2/13/98
Date Analyzed : 3/17/98
Volume(s) Analyzed : 0.250 (liters)

Pi 1 = 0.1
Pf 1 = 3.5 **D.F. = 1.23**

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	4.0	ND	0.60
79-01-6	Trichloroethene	12	4.0	2.2	0.74
10061-02-5	cis-1,3-Dichloropropene	ND	4.0	ND	0.88
108-10-1	4-Methyl-2-Pentanone	ND	4.0	ND	0.98
10061-02-6	trans-1,3-Dichloropropene	ND	4.0	ND	0.88
79-00-5	1,1,2-Trichloroethane	ND	4.0	ND	0.73
108-88-3	Toluene	14	4.0	3.6	1.1
591-78-6	2-Hexanone	ND	4.0	ND	0.98
124-48-1	Dibromochloromethane	ND	4.0	ND	0.47
106-93-4	1,2-Dibromoethane	ND	4.0	ND	0.52
127-18-4	Tetrachloroethene	180	4.0	26	0.59
108-90-7	Chlorobenzene	ND	4.0	ND	0.87
100-41-4	Ethylbenzene	ND	4.0	ND	0.92
1330-20-7	m- & p-Xylene	ND	4.0	ND	0.92
75-25-2	Bromoform	ND	4.0	ND	0.39
100-42-5	Styrene	ND	4.0	ND	0.94
95-47-6	o-Xylene	ND	4.0	ND	0.92
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.0	ND	0.58
541-73-1	1,3-Dichlorobenzene	ND	4.0	ND	0.67
106-46-7	1,4-Dichlorobenzene	ND	4.0	ND	0.67
95-50-1	1,2-Dichlorobenzene	ND	4.0	ND	0.67

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW13-31-01
PAI Sample ID : P9800245-008

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/12/98
Date Received : 2/13/98
Date Analyzed : 3/16/98
Volume(s) Analyzed : 0.100 (liters)

Pi 1 = 0.2
Pf 1 = 3.5
D.F. = 1.22

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	10	ND	4.8
75-01-4	Vinyl Chloride	73	10	29	3.9
74-83-9	Bromomethane	ND	10	ND	2.6
75-00-3	Chloroethane	ND	10	ND	3.8
67-64-1	Acetone	ND	10	ND	4.2
75-69-4	Trichlorofluoromethane	ND	10	ND	1.8
75-35-4	1,1-Dichloroethene	53	10	13	2.5
75-09-2	Methylene Chloride	ND	10	ND	2.9
76-13-1	Trichlorotrifluoroethane	ND	10	ND	1.3
75-15-0	Carbon Disulfide	ND	10	ND	3.2
156-60-5	trans-1,2-Dichloroethene	35	10	8.7	2.5
75-34-3	1,1-Dichloroethane	ND	10	ND	2.5
1634-04-4	Methyl tert-Butyl Ether	ND	10	ND	2.8
108-05-4	Vinyl Acetate	ND	10	ND	2.8
78-93-3	2-Butanone	ND	10	ND	3.4
156-59-2	cis-1,2-Dichloroethene	200	10	50	2.5
67-66-3	Chloroform	ND	10	ND	2.0
107-06-2	1,2-Dichloroethane	ND	10	ND	2.5
71-55-6	1,1,1-Trichloroethane	ND	10	ND	1.8
71-43-2	Benzene	8.4 TR	10	2.6 TR	3.1
56-23-5	Carbon Tetrachloride	ND	10	ND	1.6
78-87-5	1,2-Dichloropropane	ND	10	ND	2.2

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW13-31-01
PAI Sample ID : P9800245-008

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/12/98
Date Received : 2/13/98
Date Analyzed : 3/16/98
Volume(s) Analyzed : 0.100 (liters)

Pi 1 = 0.2
Pf 1 = 3.5
D.F. = 1.22

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	10	ND	1.5
79-01-6	Trichloroethene	330	10	62	1.9
10061-02-5	cis-1,3-Dichloropropene	ND	10	ND	2.2
108-10-1	4-Methyl-2-Pentanone	ND	10	ND	2.4
10061-02-6	trans-1,3-Dichloropropene	ND	10	ND	2.2
79-00-5	1,1,2-Trichloroethane	ND	10	ND	1.8
108-88-3	Toluene	ND	10	ND	2.7
591-78-6	2-Hexanone	ND	10	ND	2.4
124-48-1	Dibromochloromethane	ND	10	ND	1.2
106-93-4	1,2-Dibromoethane	ND	10	ND	1.3
127-18-4	Tetrachloroethene	ND	10	ND	1.5
108-90-7	Chlorobenzene	ND	10	ND	2.2
100-41-4	Ethylbenzene	ND	10	ND	2.3
1330-20-7	m- & p-Xylene	ND	10	ND	2.3
75-25-2	Bromoform	ND	10	ND	0.97
100-42-5	Styrene	ND	10	ND	2.3
95-47-6	o-Xylene	ND	10	ND	2.3
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	ND	1.5
541-73-1	1,3-Dichlorobenzene	ND	10	ND	1.7
106-46-7	1,4-Dichlorobenzene	ND	10	ND	1.7
95-50-1	1,2-Dichlorobenzene	ND	10	ND	1.7

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW01-35-01
PAI Sample ID : P9800245-009

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/12/98
Date Received : 2/13/98
Date Analyzed : 3/11/98
Volume(s) Analyzed : 0.250 (liters)

Pi 1 = 0.3
Pf 1 = 3.5
D.F. = 1.21

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	4.0	ND	1.9
75-01-4	Vinyl Chloride	ND	4.0	ND	1.6
74-83-9	Bromomethane	ND	4.0	ND	1.0
75-00-3	Chloroethane	ND	4.0	ND	1.5
67-64-1	Acetone	ND	4.0	ND	1.7
75-69-4	Trichlorofluoromethane	ND	4.0	ND	0.71
75-35-4	1,1-Dichloroethene	ND	4.0	ND	1.0
75-09-2	Methylene Chloride	ND	4.0	ND	1.2
76-13-1	Trichlorotrifluoroethane	2.9 TR	4.0	0.38 TR	0.52
75-15-0	Carbon Disulfide	ND	4.0	ND	1.3
156-60-5	trans-1,2-Dichloroethene	ND	4.0	ND	1.0
75-34-3	1,1-Dichloroethane	ND	4.0	ND	0.99
1634-04-4	Methyl tert-Butyl Ether	ND	4.0	ND	1.1
108-05-4	Vinyl Acetate	ND	4.0	ND	1.1
78-93-3	2-Butanone	ND	4.0	ND	1.4
156-59-2	cis-1,2-Dichloroethene	ND	4.0	ND	1.0
67-66-3	Chloroform	ND	4.0	ND	0.82
107-06-2	1,2-Dichloroethane	ND	4.0	ND	0.99
71-55-6	1,1,1-Trichloroethane	ND	4.0	ND	0.73
71-43-2	Benzene	ND	4.0	ND	1.3
56-23-5	Carbon Tetrachloride	ND	4.0	ND	0.64
78-87-5	1,2-Dichloropropane	ND	4.0	ND	0.87

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW01-35-01
PAI Sample ID : P9800245-009

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/12/98
Date Received : 2/13/98
Date Analyzed : 3/11/98
Volume(s) Analyzed : 0.250 (liters)

Pi 1 = 0.3
Pf 1 = 3.5
D.F. = 1.21

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	4.0	ND	0.60
79-01-6	Trichloroethene	ND	4.0	ND	0.74
10061-02-5	cis-1,3-Dichloropropene	ND	4.0	ND	0.88
108-10-1	4-Methyl-2-Pentanone	ND	4.0	ND	0.98
10061-02-6	trans-1,3-Dichloropropene	ND	4.0	ND	0.88
79-00-5	1,1,2-Trichloroethane	ND	4.0	ND	0.73
108-88-3	Toluene	3.4 TR	4.0	0.91 TR	1.1
591-78-6	2-Hexanone	ND	4.0	ND	0.98
124-48-1	Dibromochloromethane	ND	4.0	ND	0.47
106-93-4	1,2-Dibromoethane	ND	4.0	ND	0.52
127-18-4	Tetrachloroethene	53	4.0	7.8	0.59
108-90-7	Chlorobenzene	ND	4.0	ND	0.87
100-41-4	Ethylbenzene	ND	4.0	ND	0.92
1330-20-7	m- & p-Xylene	ND	4.0	ND	0.92
75-25-2	Bromoform	ND	4.0	ND	0.39
100-42-5	Styrene	ND	4.0	ND	0.94
95-47-6	o-Xylene	ND	4.0	ND	0.92
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.0	ND	0.58
541-73-1	1,3-Dichlorobenzene	ND	4.0	ND	0.67
106-46-7	1,4-Dichlorobenzene	ND	4.0	ND	0.67
95-50-1	1,2-Dichlorobenzene	ND	4.0	ND	0.67

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VWFB01-35-01
PAI Sample ID : P9800245-010

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/12/98
Date Received : 2/13/98
Date Analyzed : 3/11/98
Volume(s) Analyzed : 0.250 (liters)

Pi 1 = 8.2
Pf 1 = 8.2

D.F. = 1.00

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	4.0	ND	1.9
75-01-4	Vinyl Chloride	ND	4.0	ND	1.6
74-83-9	Bromomethane	ND	4.0	ND	1.0
75-00-3	Chloroethane	ND	4.0	ND	1.5
67-64-1	Acetone	ND	4.0	ND	1.7
75-69-4	Trichlorofluoromethane	ND	4.0	ND	0.71
75-35-4	1,1-Dichloroethene	ND	4.0	ND	1.0
75-09-2	Methylene Chloride	ND	4.0	ND	1.2
76-13-1	Trichlorotrifluoroethane	ND	4.0	ND	0.52
75-15-0	Carbon Disulfide	ND	4.0	ND	1.3
156-60-5	trans-1,2-Dichloroethene	ND	4.0	ND	1.0
75-34-3	1,1-Dichloroethane	ND	4.0	ND	0.99
1634-04-4	Methyl tert-Butyl Ether	ND	4.0	ND	1.1
108-05-4	Vinyl Acetate	ND	4.0	ND	1.1
78-93-3	2-Butanone	ND	4.0	ND	1.4
156-59-2	cis-1,2-Dichloroethene	ND	4.0	ND	1.0
67-66-3	Chloroform	ND	4.0	ND	0.82
107-06-2	1,2-Dichloroethane	ND	4.0	ND	0.99
71-55-6	1,1,1-Trichloroethane	ND	4.0	ND	0.73
71-43-2	Benzene	ND	4.0	ND	1.3
56-23-5	Carbon Tetrachloride	ND	4.0	ND	0.64
78-87-5	1,2-Dichloropropane	ND	4.0	ND	0.87

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/12/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VWFB01-35-01
PAI Sample ID : P9800245-010

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/12/98
Date Received : 2/13/98
Date Analyzed : 3/11/98
Volume(s) Analyzed : 0.250 (liters)

Pi 1 = 8.2
Pf 1 = 8.2

D.F. = 1.00

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	4.0	ND	0.60
79-01-6	Trichloroethene	23	4.0	4.3	0.74
10061-02-5	cis-1,3-Dichloropropene	ND	4.0	ND	0.88
108-10-1	4-Methyl-2-Pentanone	ND	4.0	ND	0.98
10061-02-6	trans-1,3-Dichloropropene	ND	4.0	ND	0.88
79-00-5	1,1,2-Trichloroethane	ND	4.0	ND	0.73
108-88-3	Toluene	2.4 TR	4.0	0.64 TR	1.1
591-78-6	2-Hexanone	ND	4.0	ND	0.98
124-48-1	Dibromochloromethane	ND	4.0	ND	0.47
106-93-4	1,2-Dibromoethane	ND	4.0	ND	0.52
127-18-4	Tetrachloroethene	ND	4.0	ND	0.59
108-90-7	Chlorobenzene	ND	4.0	ND	0.87
100-41-4	Ethylbenzene	ND	4.0	ND	0.92
1330-20-7	m- & p-Xylene	ND	4.0	ND	0.92
75-25-2	Bromoform	ND	4.0	ND	0.39
100-42-5	Styrene	ND	4.0	ND	0.94
95-47-6	o-Xylene	ND	4.0	ND	0.92
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.0	ND	0.58
541-73-1	1,3-Dichlorobenzene	ND	4.0	ND	0.67
106-46-7	1,4-Dichlorobenzene	ND	4.0	ND	0.67
95-50-1	1,2-Dichlorobenzene	ND	4.0	ND	0.67

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/17/98

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 3/11/98
Volume(s) Analyzed : 1.000 (liters)

Pi 1 = N/A
Pf 1 = N/A
D.F. = 1.00

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	ND	1.0	ND	0.42
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene Chloride	ND	1.0	ND	0.29
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	ND	1.0	ND	0.34
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
67-66-3	Chloroform	ND	1.0	ND	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18
71-43-2	Benzene	ND	1.0	ND	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 3/11/98
Volume(s) Analyzed : 1.000 (liters)

Pi 1 = N/A
Pf 1 = N/A
D.F. = 1.00

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-02-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-Pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	ND	1.0	ND	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	ND	1.0	ND	0.23
1330-20-7	m- & p-Xylene	ND	1.0	ND	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.23
95-47-6	o-Xylene	ND	1.0	ND	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 3/16/98
Volume(s) Analyzed : 1.000 (liters)

Pi 1 = N/A
Pf 1 = N/A
D.F. = 1.00

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	ND	1.0	ND	0.42
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene Chloride	ND	1.0	ND	0.29
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	ND	1.0	ND	0.34
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
67-66-3	Chloroform	ND	1.0	ND	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18
71-43-2	Benzene	ND	1.0	ND	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 3/16/98
Volume(s) Analyzed : 1.000 (liters)

Pi 1 = N/A
Pf 1 = N/A
D.F. = 1.00

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-02-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-Pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	ND	1.0	ND	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	ND	1.0	ND	0.23
1330-20-7	m- & p-Xylene	ND	1.0	ND	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.23
95-47-6	o-Xylene	ND	1.0	ND	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Ship To: VOC Analytical
Attn: Sample Control
BDI Western
Glendale CA

Page 1 of 1
Project Name: WDT
Project No.: 94256
Site Location: Santa Fe Springs, CA
Date: 2/12/98

CHAIN OF CUSTODY RECORD

P9800245

G98-02-257

Boring/Well No.	Sample No.	Depth	Date	Time	Sample Type: Water	Solid	Other	Comp.	Grab.	Sample Containers: Vol.	No.	Type	Pres.	Analysis: 70-15	methanol	NMHC					Remarks
WDT-VW	14-35-	01	2/12/98	0950			Air			6L	1	Summa		X	X	X					273 -001
WDT-VW	07-35-	01		1045							1			X	X	X					515 -002
WDT-VW	05-29-	01		1115							1			X	X	X					575 -003
WDT-VWFD	05-29-	01		1115							1			X	X	X					80 -004
WDT-VW	08-35-	01		1150							1			X	X	X					218 -005
WDT-VW	49-18-	01		1325							1			X	X	X					585 -006
WDT-VW	47-30-	01		1330							1			X	X	X					377 -007
WDT-VW	13-31-	01		1405							1			X	X	X					283 -008
WDT-VW	01-35-	01		1435							1			X	X	X					224 -009
WDT-VWFB	01-35-	01		1440							1			X	X	X					380 -010

Total Number of Samples Shipped: 10 Shipper's Signature: Glenn Andrusko

	Signature	Company	Date	Time
Relinquished by:	Glenn Andrusko	TEL	2/12/98	16:00
Received by:		VOC	2/12/98	16:00
Relinquished by:		VOC	2/13/98	08:00
Received by:		VOC	2/13/98	08:06
Relinquished by:		VOC	2/13/98	09:30
Received by: Sharon Malone		VOC	2-13-98	0930
		PAI	2/13/98	1330

Special Instructions / Shipment / Handling / Storage Requirements: Robert Tor

Send Results attn Roberto Perez

The material(s) listed are received for analysis and/or treatability evaluation and remain the property of the client and not Environmental Solutions, Inc. At the conclusion of the test work, all remaining material(s) will be returned to the client for eventual disposal at a licensed facility.

☒ ENVIRONMENTAL SOLUTIONS, INC.
21 Technology Drive
Irvine, California 92718

☐ ENVIRONMENTAL SOLUTIONS, INC.
1172 Pelican Bay Drive
Daytona Beach, Florida 32119

☐ ENVIRONMENTAL SOLUTIONS, INC.
1201 N. McDowell Boulevard
Petaluma, California 94954

☐ ENVIRONMENTAL SOLUTIONS, INC.
2815 Mitchell Drive, Suite 103
Walnut Creek, California 94598

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW27-19-01
PAI Sample ID : P9800263-014

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/13/98
Volume(s) Analyzed : 0.250 (liters)

Pi 1 = 0.2
Pf 1 = 3.5
D.F. = 1.22

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	4.0	ND	1.9
75-01-4	Vinyl Chloride	ND	4.0	ND	1.6
74-83-9	Bromomethane	ND	4.0	ND	1.0
75-00-3	Chloroethane	ND	4.0	ND	1.5
67-64-1	Acetone	95	4.0	40	1.7
75-69-4	Trichlorofluoromethane	ND	4.0	ND	0.71
75-35-4	1,1-Dichloroethene	ND	4.0	ND	1.0
75-09-2	Methylene Chloride	ND	4.0	ND	1.2
76-13-1	Trichlorotrifluoroethane	ND	4.0	ND	0.52
75-15-0	Carbon Disulfide	ND	4.0	ND	1.3
156-60-5	trans-1,2-Dichloroethene	ND	4.0	ND	1.0
75-34-3	1,1-Dichloroethane	ND	4.0	ND	0.99
1634-04-4	Methyl tert-Butyl Ether	5.4	4.0	1.5	1.1
108-05-4	Vinyl Acetate	ND	4.0	ND	1.1
78-93-3	2-Butanone	11	4.0	3.8	1.4
156-59-2	cis-1,2-Dichloroethene	ND	4.0	ND	1.0
67-66-3	Chloroform	ND	4.0	ND	0.82
107-06-2	1,2-Dichloroethane	ND	4.0	ND	0.99
71-55-6	1,1,1-Trichloroethane	110	4.0	21	0.73
71-43-2	Benzene	3.2 TR	4.0	1.0 TR	1.3
56-23-5	Carbon Tetrachloride	ND	4.0	ND	0.64
78-87-5	1,2-Dichloropropane	ND	4.0	ND	0.87

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1339 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 3/19/98
Volume(s) Analyzed : 1.000 (liters)

Pi 1 = N/A
Pf 1 = N/A
D.F. = 1.00

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-02-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-Pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	ND	1.0	ND	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	ND	1.0	ND	0.23
1330-20-7	m- & p-Xylene	ND	1.0	ND	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.23
95-47-6	o-Xylene	ND	1.0	ND	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 3/19/98
Volume(s) Analyzed : 1.000 (liters)

Pi 1 = N/A
Pf 1 = N/A
D.F. = 1.00

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	ND	1.0	ND	0.42
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene Chloride	ND	1.0	ND	0.29
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	ND	1.0	ND	0.34
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
67-66-3	Chloroform	ND	1.0	ND	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18
71-43-2	Benzene	ND	1.0	ND	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 3/17/98
Volume(s) Analyzed : 1.000 (liters)

Pi 1 = N/A
Pf 1 = N/A
D.F. = 1.00

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-02-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-Pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	ND	1.0	ND	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	ND	1.0	ND	0.23
1330-20-7	m- & p-Xylene	ND	1.0	ND	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.23
95-47-6	o-Xylene	ND	1.0	ND	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 3/17/98
Volume(s) Analyzed : 1.000 (liters)

Pi 1 = N/A
Pf 1 = N/A
D.F. = 1.00

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	ND	1.0	ND	0.42
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene Chloride	ND	1.0	ND	0.29
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	ND	1.0	ND	0.34
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
67-66-3	Chloroform	ND	1.0	ND	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18
71-43-2	Benzene	ND	1.0	ND	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 3/12/98
Volume(s) Analyzed : 1.000 (liters)

Pi 1 = N/A
Pf 1 = N/A
D.F. = 1.00

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-02-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-Pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	ND	1.0	ND	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	ND	1.0	ND	0.23
1330-20-7	m- & p-Xylene	ND	1.0	ND	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.23
95-47-6	o-Xylene	ND	1.0	ND	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/20/98

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW38-34-01
PAI Sample ID : P9800263-013

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/20/98
Volume(s) Analyzed : 0.025 (liters)

Pi 1 = 0.0
Pf 1 = 3.5
D.F. = 1.24

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	40	ND	6.0
79-01-6	Trichloroethene	ND	40	ND	7.4
10061-02-5	cis-1,3-Dichloropropene	ND	40	ND	8.8
108-10-1	4-Methyl-2-Pentanone	ND	40	ND	9.8
10061-02-6	trans-1,3-Dichloropropene	ND	40	ND	8.8
79-00-5	1,1,2-Trichloroethane	ND	40	ND	7.3
108-88-3	Toluene	ND	40	ND	11
591-78-6	2-Hexanone	ND	40	ND	9.8
124-48-1	Dibromochloromethane	ND	40	ND	4.7
106-93-4	1,2-Dibromoethane	ND	40	ND	5.2
127-18-4	Tetrachloroethene	ND	40	ND	5.9
108-90-7	Chlorobenzene	ND	40	ND	8.7
100-41-4	Ethylbenzene	ND	40	ND	9.2
1330-20-7	m- & p-Xylene	ND	40	ND	9.2
75-25-2	Bromoform	ND	40	ND	3.9
100-42-5	Styrene	ND	40	ND	9.4
95-47-6	o-Xylene	ND	40	ND	9.2
79-34-5	1,1,2,2-Tetrachloroethane	ND	40	ND	5.8
541-73-1	1,3-Dichlorobenzene	ND	40	ND	6.7
106-46-7	1,4-Dichlorobenzene	ND	40	ND	6.7
95-50-1	1,2-Dichlorobenzene	ND	40	ND	6.7

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/20/98

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 3/12/98
Volume(s) Analyzed : 1.000 (liters)

Pi 1 = N/A
Pf 1 = N/A

D.F. = 1.00

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	ND	1.0	ND	0.42
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene Chloride	ND	1.0	ND	0.29
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	ND	1.0	ND	0.34
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
67-66-3	Chloroform	ND	1.0	ND	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18
71-43-2	Benzene	ND	1.0	ND	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW27-35-01
PAI Sample ID : P9800263-015

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/13/98
Volume(s) Analyzed : 0.250 (liters)

Pi 1 = 0.4
Pf 1 = 3.5
D.F. = 1.21

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	4.0	ND	0.60
79-01-6	Trichloroethene	ND	4.0	ND	0.74
10061-02-5	cis-1,3-Dichloropropene	ND	4.0	ND	0.88
108-10-1	4-Methyl-2-Pentanone	ND	4.0	ND	0.98
10061-02-6	trans-1,3-Dichloropropene	ND	4.0	ND	0.88
79-00-5	1,1,2-Trichloroethane	ND	4.0	ND	0.73
108-88-3	Toluene	8.7	4.0	2.3	1.1
591-78-6	2-Hexanone	ND	4.0	ND	0.98
124-48-1	Dibromochloromethane	ND	4.0	ND	0.47
106-93-4	1,2-Dibromoethane	ND	4.0	ND	0.52
127-18-4	Tetrachloroethene	7.1	4.0	1.0	0.59
108-90-7	Chlorobenzene	ND	4.0	ND	0.87
100-41-4	Ethylbenzene	ND	4.0	ND	0.92
1330-20-7	m- & p-Xylene	8.2	4.0	1.9	0.92
75-25-2	Bromoform	ND	4.0	ND	0.39
100-42-5	Styrene	ND	4.0	ND	0.94
95-47-6	o-Xylene	ND	4.0	ND	0.92
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.0	ND	0.58
541-73-1	1,3-Dichlorobenzene	ND	4.0	ND	0.67
106-46-7	1,4-Dichlorobenzene	ND	4.0	ND	0.67
95-50-1	1,2-Dichlorobenzene	ND	4.0	ND	0.67

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/20/98

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW27-35-01
PAI Sample ID : P9800263-015

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/13/98
Volume(s) Analyzed : 0.250 (liters)

Pi 1 = 0.4
Pf 1 = 3.5 **D.F. = 1.21**

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	4.0	ND	1.9
75-01-4	Vinyl Chloride	ND	4.0	ND	1.6
74-83-9	Bromomethane	ND	4.0	ND	1.0
75-00-3	Chloroethane	ND	4.0	ND	1.5
67-64-1	Acetone	23	4.0	9.5	1.7
75-69-4	Trichlorofluoromethane	ND	4.0	ND	0.71
75-35-4	1,1-Dichloroethene	ND	4.0	ND	1.0
75-09-2	Methylene Chloride	ND	4.0	ND	1.2
76-13-1	Trichlorotrifluoroethane	ND	4.0	ND	0.52
75-15-0	Carbon Disulfide	7.1	4.0	2.3	1.3
156-60-5	trans-1,2-Dichloroethene	ND	4.0	ND	1.0
75-34-3	1,1-Dichloroethane	ND	4.0	ND	0.99
1634-04-4	Methyl tert-Butyl Ether	ND	4.0	ND	1.1
108-05-4	Vinyl Acetate	ND	4.0	ND	1.1
78-93-3	2-Butanone	2.7 TR	4.0	0.90 TR	1.4
156-59-2	cis-1,2-Dichloroethene	ND	4.0	ND	1.0
67-66-3	Chloroform	ND	4.0	ND	0.82
107-06-2	1,2-Dichloroethane	ND	4.0	ND	0.99
71-55-6	1,1,1-Trichloroethane	ND	4.0	ND	0.73
71-43-2	Benzene	ND	4.0	ND	1.3
56-23-5	Carbon Tetrachloride	ND	4.0	ND	0.64
78-87-5	1,2-Dichloropropane	ND	4.0	ND	0.87

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW27-19-01
PAI Sample ID : P9800263-014 (Laboratory Duplicate)

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/13/98
Volume(s) Analyzed : 0.250 (liters)

Pi 1 = 0.2
Pf 1 = 3.5
D.F. = 1.22

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	4.0	ND	0.60
79-01-6	Trichloroethene	ND	4.0	ND	0.74
10061-02-5	cis-1,3-Dichloropropene	ND	4.0	ND	0.88
108-10-1	4-Methyl-2-Pentanone	ND	4.0	ND	0.98
10061-02-6	trans-1,3-Dichloropropene	ND	4.0	ND	0.88
79-00-5	1,1,2-Trichloroethane	ND	4.0	ND	0.73
108-88-3	Toluene	16	4.0	4.3	1.1
591-78-6	2-Hexanone	ND	4.0	ND	0.98
124-48-1	Dibromochloromethane	ND	4.0	ND	0.47
106-93-4	1,2-Dibromoethane	ND	4.0	ND	0.52
127-18-4	Tetrachloroethene	5.4	4.0	0.80	0.59
108-90-7	Chlorobenzene	ND	4.0	ND	0.87
100-41-4	Ethylbenzene	3.4 TR	4.0	0.79 TR	0.92
1330-20-7	m- & p-Xylene	14	4.0	3.3	0.92
75-25-2	Bromoform	ND	4.0	ND	0.39
100-42-5	Styrene	ND	4.0	ND	0.94
95-47-6	o-Xylene	4.0	4.0	0.92	0.92
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.0	ND	0.58
541-73-1	1,3-Dichlorobenzene	ND	4.0	ND	0.67
106-46-7	1,4-Dichlorobenzene	ND	4.0	ND	0.67
95-50-1	1,2-Dichlorobenzene	ND	4.0	ND	0.67

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW27-19-01
PAI Sample ID : P9800263-014 (Laboratory Duplicate)

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/13/98
Volume(s) Analyzed : 0.250 (liters)

Pi 1 = 0.2
Pf 1 = 3.5 **D.F. = 1.22**

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	4.0	ND	1.9
75-01-4	Vinyl Chloride	ND	4.0	ND	1.6
74-83-9	Bromomethane	ND	4.0	ND	1.0
75-00-3	Chloroethane	ND	4.0	ND	1.5
67-64-1	Acetone	95	4.0	40	1.7
75-69-4	Trichlorofluoromethane	ND	4.0	ND	0.71
75-35-4	1,1-Dichloroethene	ND	4.0	ND	1.0
75-09-2	Methylene Chloride	ND	4.0	ND	1.2
76-13-1	Trichlorotrifluoroethane	ND	4.0	ND	0.52
75-15-0	Carbon Disulfide	ND	4.0	ND	1.3
156-60-5	trans-1,2-Dichloroethene	ND	4.0	ND	1.0
75-34-3	1,1-Dichloroethane	ND	4.0	ND	0.99
1634-04-4	Methyl tert-Butyl Ether	5.4	4.0	1.5	1.1
108-05-4	Vinyl Acetate	ND	4.0	ND	1.1
78-93-3	2-Butanone	11	4.0	3.7	1.4
156-59-2	cis-1,2-Dichloroethene	ND	4.0	ND	1.0
67-66-3	Chloroform	ND	4.0	ND	0.82
107-06-2	1,2-Dichloroethane	ND	4.0	ND	0.99
71-55-6	1,1,1-Trichloroethane	110	4.0	21	0.73
71-43-2	Benzene	3.4 TR	4.0	1.1 TR	1.3
56-23-5	Carbon Tetrachloride	ND	4.0	ND	0.64
78-87-5	1,2-Dichloropropane	ND	4.0	ND	0.87

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1339 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW27-19-01
PAI Sample ID : P9800263-014

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/13/98
Volume(s) Analyzed : 0.250 (liters)

Pi 1 = 0.2
Pf 1 = 3.5
D.F. = 1.22

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	4.0	ND	0.60
79-01-6	Trichloroethene	ND	4.0	ND	0.74
10061-02-5	cis-1,3-Dichloropropene	ND	4.0	ND	0.88
108-10-1	4-Methyl-2-Pentanone	ND	4.0	ND	0.98
10061-02-6	trans-1,3-Dichloropropene	ND	4.0	ND	0.88
79-00-5	1,1,2-Trichloroethane	ND	4.0	ND	0.73
108-88-3	Toluene	16	4.0	4.3	1.1
591-78-6	2-Hexanone	ND	4.0	ND	0.98
124-48-1	Dibromochloromethane	ND	4.0	ND	0.47
106-93-4	1,2-Dibromoethane	ND	4.0	ND	0.52
127-18-4	Tetrachloroethene	5.4	4.0	0.79	0.59
108-90-7	Chlorobenzene	ND	4.0	ND	0.87
100-41-4	Ethylbenzene	3.4 TR	4.0	0.79 TR	0.92
1330-20-7	m- & p-Xylene	14	4.0	3.2	0.92
75-25-2	Bromoform	ND	4.0	ND	0.39
100-42-5	Styrene	ND	4.0	ND	0.94
95-47-6	o-Xylene	4.1	4.0	0.93	0.92
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.0	ND	0.58
541-73-1	1,3-Dichlorobenzene	ND	4.0	ND	0.67
106-46-7	1,4-Dichlorobenzene	ND	4.0	ND	0.67
95-50-1	1,2-Dichlorobenzene	ND	4.0	ND	0.67

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/20/98

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW38-34-01
PAI Sample ID : P9800263-013

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/20/98
Volume(s) Analyzed : 0.025 (liters)

Pi 1 = 0.0
Pf 1 = 3.5 **D.F. = 1.24**

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	40	ND	19
75-01-4	Vinyl Chloride	ND	40	ND	16
74-83-9	Bromomethane	ND	40	ND	10
75-00-3	Chloroethane	ND	40	ND	15
67-64-1	Acetone	240	40	100	17
75-69-4	Trichlorofluoromethane	ND	40	ND	7.1
75-35-4	1,1-Dichloroethene	ND	40	ND	10
75-09-2	Methylene Chloride	ND	40	ND	12
76-13-1	Trichlorotrifluoroethane	ND	40	ND	5.2
75-15-0	Carbon Disulfide	ND	40	ND	13
156-60-5	trans-1,2-Dichloroethene	ND	40	ND	10
75-34-3	1,1-Dichloroethane	ND	40	ND	9.9
1634-04-4	Methyl tert-Butyl Ether	ND	40	ND	11
108-05-4	Vinyl Acetate	ND	40	ND	11
78-93-3	2-Butanone	ND	40	ND	14
156-59-2	cis-1,2-Dichloroethene	ND	40	ND	10
67-66-3	Chloroform	ND	40	ND	8.2
107-06-2	1,2-Dichloroethane	ND	40	ND	9.9
71-55-6	1,1,1-Trichloroethane	380	40	69	7.3
71-43-2	Benzene	ND	40	ND	13
56-23-5	Carbon Tetrachloride	ND	40	ND	6.4
78-87-5	1,2-Dichloropropane	ND	40	ND	8.7

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW38-10-01
PAI Sample ID : P9800263-012

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Teknar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/13/98, 3/20/98
Volume(s) Analyzed : 0.250 (liters)
0.050 (liters)

Pi 1 = -0.7
Pf 1 = 3.5
D.F. = 1.30

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	4.0	ND	0.60
79-01-6	Trichloroethene	3.7 TR	4.0	0.69 TR	0.74
10061-02-5	cis-1,3-Dichloropropene	ND	4.0	ND	0.88
108-10-1	4-Methyl-2-Pentanone	ND	4.0	ND	0.98
10061-02-6	trans-1,3-Dichloropropene	ND	4.0	ND	0.88
79-00-5	1,1,2-Trichloroethane	ND	4.0	ND	0.73
108-88-3	Toluene	5.6	4.0	1.5	1.1
591-78-6	2-Hexanone	ND	4.0	ND	0.98
124-48-1	Dibromochloromethane	6.2	4.0	0.73	0.47
106-93-4	1,2-Dibromoethane	ND	4.0	ND	0.52
127-18-4	Tetrachloroethene	8.7	4.0	1.3	0.59
108-90-7	Chlorobenzene	ND	4.0	ND	0.87
100-41-4	Ethylbenzene	3.0 TR	4.0	0.69 TR	0.92
1330-20-7	m- & p-Xylene	12	4.0	2.7	0.92
75-25-2	Bromoform	ND	4.0	ND	0.39
100-42-5	Styrene	ND	4.0	ND	0.94
95-47-6	o-Xylene	ND	4.0	ND	0.92
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.0	ND	0.58
541-73-1	1,3-Dichlorobenzene	ND	4.0	ND	0.67
106-46-7	1,4-Dichlorobenzene	ND	4.0	ND	0.67
95-50-1	1,2-Dichlorobenzene	ND	4.0	ND	0.67

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW38-10-01
PAI Sample ID : P9800263-012

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/13/98, 3/20/98
Volume(s) Analyzed : 0.250 (liters)
0.050 (liters)

Pi 1 = -0.7
Pf 1 = 3.5
D.F. = 1.30

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	4.0	ND	1.9
75-01-4	Vinyl Chloride	ND	4.0	ND	1.6
74-83-9	Bromomethane	ND	4.0	ND	1.0
75-00-3	Chloroethane	ND	4.0	ND	1.5
67-64-1	Acetone	27	4.0	11	1.7
75-69-4	Trichlorofluoromethane	ND	4.0	ND	0.71
75-35-4	1,1-Dichloroethene	ND	4.0	ND	1.0
75-09-2	Methylene Chloride	ND	4.0	ND	1.2
76-13-1	Trichlorotrifluoroethane	ND	4.0	ND	0.52
75-15-0	Carbon Disulfide	ND	4.0	ND	1.3
156-60-5	trans-1,2-Dichloroethene	ND	4.0	ND	1.0
75-34-3	1,1-Dichloroethane	ND	4.0	ND	0.99
1634-04-4	Methyl tert-Butyl Ether	ND	4.0	ND	1.1
108-05-4	Vinyl Acetate	ND	4.0	ND	1.1
78-93-3	2-Butanone	7.1	4.0	2.4	1.4
156-59-2	cis-1,2-Dichloroethene	ND	4.0	ND	1.0
67-66-3	Chloroform	6.1	4.0	1.2	0.82
107-06-2	1,2-Dichloroethane	ND	4.0	ND	0.99
71-55-6	1,1,1-Trichloroethane	1,200	4.0	220	0.73
71-43-2	Benzene	ND	4.0	ND	1.3
56-23-5	Carbon Tetrachloride	ND	4.0	ND	0.64
78-87-5	1,2-Dichloropropane	ND	4.0	ND	0.87

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW46-27-01
PAI Sample ID : P9800263-011

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/13/98, 3/20/98
Volume(s) Analyzed : 0.250 (liters)
0.050 (liters)

Pi 1 = 0.1
Pf 1 = 3.6

D.F. = 1.24

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	4.0	ND	0.60
79-01-6	Trichloroethene	170	4.0	31	0.74
10061-02-5	cis-1,3-Dichloropropene	ND	4.0	ND	0.88
108-10-1	4-Methyl-2-Pentanone	ND	4.0	ND	0.98
10061-02-6	trans-1,3-Dichloropropene	ND	4.0	ND	0.88
79-00-5	1,1,2-Trichloroethane	ND	4.0	ND	0.73
108-88-3	Toluene	7.9	4.0	2.1	1.1
591-78-6	2-Hexanone	ND	4.0	ND	0.98
124-48-1	Dibromochloromethane	ND	4.0	ND	0.47
106-93-4	1,2-Dibromoethane	ND	4.0	ND	0.52
127-18-4	Tetrachloroethene	1,500	4.0	220	0.59
108-90-7	Chlorobenzene	ND	4.0	ND	0.87
100-41-4	Ethylbenzene	ND	4.0	ND	0.92
1330-20-7	m- & p-Xylene	6.9	4.0	1.6	0.92
75-25-2	Bromoform	ND	4.0	ND	0.39
100-42-5	Styrene	ND	4.0	ND	0.94
95-47-6	o-Xylene	ND	4.0	ND	0.92
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.0	ND	0.58
541-73-1	1,3-Dichlorobenzene	ND	4.0	ND	0.67
106-46-7	1,4-Dichlorobenzene	ND	4.0	ND	0.67
95-50-1	1,2-Dichlorobenzene	ND	4.0	ND	0.67

ND = Not Detected *TR = Below Indicated Reporting Limit*

Verified By: RG **Date:** 3/20/98

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW46-27-01
PAI Sample ID : P9800263-011

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/13/98, 3/20/98
Volume(s) Analyzed : 0.250 (liters)
0.050 (liters)

Pi 1 = 0.1
Pf 1 = 3.6 **D.F. = 1.24**

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	4.0	ND	1.9
75-01-4	Vinyl Chloride	ND	4.0	ND	1.6
74-83-9	Bromomethane	ND	4.0	ND	1.0
75-00-3	Chloroethane	ND	4.0	ND	1.5
67-64-1	Acetone	27	4.0	11	1.7
75-69-4	Trichlorofluoromethane	10	4.0	1.8	0.71
75-35-4	1,1-Dichloroethene	ND	4.0	ND	1.0
75-09-2	Methylene Chloride	ND	4.0	ND	1.2
76-13-1	Trichlorotrifluoroethane	16	4.0	2.0	0.52
75-15-0	Carbon Disulfide	7.9	4.0	2.5	1.3
156-60-5	trans-1,2-Dichloroethene	ND	4.0	ND	1.0
75-34-3	1,1-Dichloroethane	ND	4.0	ND	0.99
1634-04-4	Methyl tert-Butyl Ether	3.3 TR	4.0	0.92 TR	1.1
108-05-4	Vinyl Acetate	ND	4.0	ND	1.1
78-93-3	2-Butanone	9.7	4.0	3.3	1.4
156-59-2	cis-1,2-Dichloroethene	3.2 TR	4.0	0.81 TR	1.0
67-66-3	Chloroform	6.4	4.0	1.3	0.82
107-06-2	1,2-Dichloroethane	13	4.0	3.2	0.99
71-55-6	1,1,1-Trichloroethane	45	4.0	8.3	0.73
71-43-2	Benzene	ND	4.0	ND	1.3
56-23-5	Carbon Tetrachloride	ND	4.0	ND	0.64
78-87-5	1,2-Dichloropropane	ND	4.0	ND	0.87

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW46-15-01
PAI Sample ID : P9800263-010

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/13/98, 3/20/98
Volume(s) Analyzed : 0.250 (liters)
0.100 (liters)

Pi 1 = -0.1
Pf 1 = 3.4
D.F. = 1.24

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	4.9	4.0	0.73	0.60
79-01-6	Trichloroethene	80	4.0	15	0.74
10061-02-5	cis-1,3-Dichloropropene	ND	4.0	ND	0.88
108-10-1	4-Methyl-2-Pentanone	ND	4.0	ND	0.98
10061-02-6	trans-1,3-Dichloropropene	ND	4.0	ND	0.88
79-00-5	1,1,2-Trichloroethane	ND	4.0	ND	0.73
108-88-3	Toluene	6.3	4.0	1.7	1.1
591-78-6	2-Hexanone	ND	4.0	ND	0.98
124-48-1	Dibromochloromethane	ND	4.0	ND	0.47
106-93-4	1,2-Dibromoethane	ND	4.0	ND	0.52
127-18-4	Tetrachloroethene	890	4.0	130	0.59
108-90-7	Chlorobenzene	ND	4.0	ND	0.87
100-41-4	Ethylbenzene	ND	4.0	ND	0.92
1330-20-7	m- & p-Xylene	8.0	4.0	1.9	0.92
75-25-2	Bromoform	ND	4.0	ND	0.39
100-42-5	Styrene	ND	4.0	ND	0.94
95-47-6	o-Xylene	ND	4.0	ND	0.92
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.0	ND	0.58
541-73-1	1,3-Dichlorobenzene	ND	4.0	ND	0.67
106-46-7	1,4-Dichlorobenzene	ND	4.0	ND	0.67
95-50-1	1,2-Dichlorobenzene	ND	4.0	ND	0.67

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW46-15-01
PAI Sample ID : P9800263-010

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/13/98, 3/20/98
Volume(s) Analyzed : 0.250 (liters)
0.100 (liters)

Pi 1 = -0.1
Pf 1 = 3.4

D.F. = 1.24

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	4.0	ND	1.9
75-01-4	Vinyl Chloride	ND	4.0	ND	1.6
74-83-9	Bromomethane	ND	4.0	ND	1.0
75-00-3	Chloroethane	ND	4.0	ND	1.5
67-64-1	Acetone	5.1	4.0	2.1	1.7
75-69-4	Trichlorofluoromethane	8.1	4.0	1.4	0.71
75-35-4	1,1-Dichloroethene	ND	4.0	ND	1.0
75-09-2	Methylene Chloride	ND	4.0	ND	1.2
76-13-1	Trichlorotrifluoroethane	11	4.0	1.5	0.52
75-15-0	Carbon Disulfide	13	4.0	4.3	1.3
156-60-5	trans-1,2-Dichloroethene	ND	4.0	ND	1.0
75-34-3	1,1-Dichloroethane	24	4.0	5.8	0.99
1634-04-4	Methyl tert-Butyl Ether	ND	4.0	ND	1.1
108-05-4	Vinyl Acetate	ND	4.0	ND	1.1
78-93-3	2-Butanone	ND	4.0	ND	1.4
156-59-2	cis-1,2-Dichloroethene	ND	4.0	ND	1.0
67-66-3	Chloroform	9.3	4.0	1.9	0.82
107-06-2	1,2-Dichloroethane	8.4	4.0	2.1	0.99
71-55-6	1,1,1-Trichloroethane	540	4.0	99	0.73
71-43-2	Benzene	ND	4.0	ND	1.3
56-23-5	Carbon Tetrachloride	ND	4.0	ND	0.64
78-87-5	1,2-Dichloropropane	ND	4.0	ND	0.87

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RCS **Date:** 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VWFB27-35-01
PAI Sample ID : P9800263-009

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/13/98
Volume(s) Analyzed : 0.250 (liters)

Pi 1 = -1.0
Pf 1 = 3.6
D.F. = 1.34

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	4.0	ND	0.60
79-01-6	Trichloroethene	56	4.0	10	0.74
10061-02-5	cis-1,3-Dichloropropene	ND	4.0	ND	0.88
108-10-1	4-Methyl-2-Pentanone	ND	4.0	ND	0.98
10061-02-6	trans-1,3-Dichloropropene	ND	4.0	ND	0.88
79-00-5	1,1,2-Trichloroethane	ND	4.0	ND	0.73
108-88-3	Toluene	6.0	4.0	1.6	1.1
591-78-6	2-Hexanone	ND	4.0	ND	0.98
124-48-1	Dibromochloromethane	ND	4.0	ND	0.47
106-93-4	1,2-Dibromoethane	ND	4.0	ND	0.52
127-18-4	Tetrachloroethene	ND	4.0	ND	0.59
108-90-7	Chlorobenzene	ND	4.0	ND	0.87
100-41-4	Ethylbenzene	ND	4.0	ND	0.92
1330-20-7	m- & p-Xylene	5.0	4.0	1.2	0.92
75-25-2	Bromoform	ND	4.0	ND	0.39
100-42-5	Styrene	ND	4.0	ND	0.94
95-47-6	o-Xylene	ND	4.0	ND	0.92
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.0	ND	0.58
541-73-1	1,3-Dichlorobenzene	ND	4.0	ND	0.67
106-46-7	1,4-Dichlorobenzene	ND	4.0	ND	0.67
95-50-1	1,2-Dichlorobenzene	ND	4.0	ND	0.67

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VWFB27-35-01
PAI Sample ID : P9800263-009

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/13/98
Volume(s) Analyzed : 0.250 (liters)

Pi 1 = -1.0
Pf 1 = 3.6 **D.F. = 1.34**

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	4.0	ND	1.9
75-01-4	Vinyl Chloride	ND	4.0	ND	1.6
74-83-9	Bromomethane	ND	4.0	ND	1.0
75-00-3	Chloroethane	ND	4.0	ND	1.5
67-64-1	Acetone	ND	4.0	ND	1.7
75-69-4	Trichlorofluoromethane	ND	4.0	ND	0.71
75-35-4	1,1-Dichloroethene	ND	4.0	ND	1.0
75-09-2	Methylene Chloride	ND	4.0	ND	1.2
76-13-1	Trichlorotrifluoroethane	ND	4.0	ND	0.52
75-15-0	Carbon Disulfide	ND	4.0	ND	1.3
156-60-5	trans-1,2-Dichloroethene	ND	4.0	ND	1.0
75-34-3	1,1-Dichloroethane	ND	4.0	ND	0.99
1634-04-4	Methyl tert-Butyl Ether	ND	4.0	ND	1.1
108-05-4	Vinyl Acetate	ND	4.0	ND	1.1
78-93-3	2-Butanone	ND	4.0	ND	1.4
156-59-2	cis-1,2-Dichloroethene	ND	4.0	ND	1.0
67-66-3	Chloroform	ND	4.0	ND	0.82
107-06-2	1,2-Dichloroethane	ND	4.0	ND	0.99
71-55-6	1,1,1-Trichloroethane	ND	4.0	ND	0.73
71-43-2	Benzene	ND	4.0	ND	1.3
56-23-5	Carbon Tetrachloride	ND	4.0	ND	0.64
78-87-5	1,2-Dichloropropane	ND	4.0	ND	0.87

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW40-25-01
PAI Sample ID : P9800263-008 (Laboratory Duplicate)

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/19/98
Volume(s) Analyzed : 0.100 (liters)

Pf 1 = -0.5
Pf 1 = 3.4 **D.F. = 1.27**

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	10	ND	1.5
79-01-6	Trichloroethene	29	10	5.5	1.9
10061-02-5	cis-1,3-Dichloropropene	ND	10	ND	2.2
108-10-1	4-Methyl-2-Pentanone	ND	10	ND	2.4
10061-02-6	trans-1,3-Dichloropropene	ND	10	ND	2.2
79-00-5	1,1,2-Trichloroethane	ND	10	ND	1.8
108-88-3	Toluene	8.8 TR	10	2.3 TR	2.7
591-78-6	2-Hexanone	ND	10	ND	2.4
124-48-1	Dibromochloromethane	ND	10	ND	1.2
106-93-4	1,2-Dibromoethane	ND	10	ND	1.3
127-18-4	Tetrachloroethene	880	10	130	1.5
108-90-7	Chlorobenzene	ND	10	ND	2.2
100-41-4	Ethylbenzene	ND	10	ND	2.3
1330-20-7	m- & p-Xylene	8.5 TR	10	2.0 TR	2.3
75-25-2	Bromoform	ND	10	ND	0.97
100-42-5	Styrene	ND	10	ND	2.3
95-47-6	o-Xylene	ND	10	ND	2.3
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	ND	1.5
541-73-1	1,3-Dichlorobenzene	ND	10	ND	1.7
106-46-7	1,4-Dichlorobenzene	ND	10	ND	1.7
95-50-1	1,2-Dichlorobenzene	ND	10	ND	1.7

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: PG **Date:** 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW40-25-01
PAI Sample ID : P9800263-008 (Laboratory Duplicate)

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/19/98
Volume(s) Analyzed : 0.100 (liters)

Pi 1 = -0.5
Pf 1 = 3.4 **D.F. = 1.27**

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	10	ND	4.8
75-01-4	Vinyl Chloride	ND	10	ND	3.9
74-83-9	Bromomethane	ND	10	ND	2.6
75-00-3	Chloroethane	ND	10	ND	3.8
67-64-1	Acetone	ND	10	ND	4.2
75-69-4	Trichlorofluoromethane	22	10	3.9	1.8
75-35-4	1,1-Dichloroethene	ND	10	ND	2.5
75-09-2	Methylene Chloride	ND	10	ND	2.9
76-13-1	Trichlorotrifluoroethane	12	10	1.6	1.3
75-15-0	Carbon Disulfide	ND	10	ND	3.2
156-60-5	trans-1,2-Dichloroethene	ND	10	ND	2.5
75-34-3	1,1-Dichloroethane	ND	10	ND	2.5
1634-04-4	Methyl tert-Butyl Ether	ND	10	ND	2.8
108-05-4	Vinyl Acetate	ND	10	ND	2.8
78-93-3	2-Butanone	ND	10	ND	3.4
156-59-2	cis-1,2-Dichloroethene	ND	10	ND	2.5
67-66-3	Chloroform	ND	10	ND	2.0
107-06-2	1,2-Dichloroethane	ND	10	ND	2.5
71-55-6	1,1,1-Trichloroethane	11	10	2.1	1.8
71-43-2	Benzene	ND	10	ND	3.1
56-23-5	Carbon Tetrachloride	ND	10	ND	1.6
78-87-5	1,2-Dichloropropane	ND	10	ND	2.2

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW40-25-01
PAI Sample ID : P9800263-008

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/19/98
Volume(s) Analyzed : 0.100 (liters)

Pi 1 = -0.5
Pf 1 = 3.4
D.F. = 1.27

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	10	ND	1.5
79-01-6	Trichloroethene	29	10	5.5	1.9
10061-02-5	cis-1,3-Dichloropropene	ND	10	ND	2.2
108-10-1	4-Methyl-2-Pentanone	ND	10	ND	2.4
10061-02-6	trans-1,3-Dichloropropene	ND	10	ND	2.2
79-00-5	1,1,2-Trichloroethane	ND	10	ND	1.8
108-88-3	Toluene	8.6 TR	10	2.3 TR	2.7
591-78-6	2-Hexanone	ND	10	ND	2.4
124-48-1	Dibromochloromethane	ND	10	ND	1.2
106-93-4	1,2-Dibromoethane	ND	10	ND	1.3
127-18-4	Tetrachloroethene	870	10	130	1.5
108-90-7	Chlorobenzene	ND	10	ND	2.2
100-41-4	Ethylbenzene	ND	10	ND	2.3
1330-20-7	m- & p-Xylene	8.0 TR	10	1.8 TR	2.3
75-25-2	Bromoform	ND	10	ND	0.97
100-42-5	Styrene	ND	10	ND	2.3
95-47-6	o-Xylene	ND	10	ND	2.3
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	ND	1.5
541-73-1	1,3-Dichlorobenzene	ND	10	ND	1.7
106-46-7	1,4-Dichlorobenzene	ND	10	ND	1.7
95-50-1	1,2-Dichlorobenzene	ND	10	ND	1.7

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW40-25-01
PAI Sample ID : P9800263-008

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/19/98
Volume(s) Analyzed : 0.100 (liters)

Pi 1 = -0.5
Pf 1 = 3.4
D.F. = 1.27

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	10	ND	4.8
75-01-4	Vinyl Chloride	ND	10	ND	3.9
74-83-9	Bromomethane	ND	10	ND	2.6
75-00-3	Chloroethane	ND	10	ND	3.8
67-64-1	Acetone	ND	10	ND	4.2
75-69-4	Trichlorofluoromethane	22	10	3.8	1.8
75-35-4	1,1-Dichloroethene	ND	10	ND	2.5
75-09-2	Methylene Chloride	ND	10	ND	2.9
76-13-1	Trichlorotrifluoroethane	13	10	1.7	1.3
75-15-0	Carbon Disulfide	ND	10	ND	3.2
156-60-5	trans-1,2-Dichloroethene	ND	10	ND	2.5
75-34-3	1,1-Dichloroethane	ND	10	ND	2.5
1634-04-4	Methyl tert-Butyl Ether	ND	10	ND	2.8
108-05-4	Vinyl Acetate	ND	10	ND	2.8
78-93-3	2-Butanone	ND	10	ND	3.4
156-59-2	cis-1,2-Dichloroethene	ND	10	ND	2.5
67-66-3	Chloroform	ND	10	ND	2.0
107-06-2	1,2-Dichloroethane	ND	10	ND	2.5
71-55-6	1,1,1-Trichloroethane	11	10	2.1	1.8
71-43-2	Benzene	ND	10	ND	3.1
56-23-5	Carbon Tetrachloride	ND	10	ND	1.6
78-87-5	1,2-Dichloropropane	ND	10	ND	2.2

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW40-10-01
PAI Sample ID : P9800263-007

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/19/98
Volume(s) Analyzed : 0.250 (liters)

Pi 1 = -2.8
Pf 1 = 3.5
D.F. = 1.53

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	4.0	ND	0.60
79-01-6	Trichloroethene	ND	4.0	ND	0.74
10061-02-5	cis-1,3-Dichloropropene	ND	4.0	ND	0.88
108-10-1	4-Methyl-2-Pentanone	ND	4.0	ND	0.98
10061-02-6	trans-1,3-Dichloropropene	ND	4.0	ND	0.88
79-00-5	1,1,2-Trichloroethane	ND	4.0	ND	0.73
108-88-3	Toluene	9.2	4.0	2.5	1.1
591-78-6	2-Hexanone	ND	4.0	ND	0.98
124-48-1	Dibromochloromethane	ND	4.0	ND	0.47
106-93-4	1,2-Dibromoethane	ND	4.0	ND	0.52
127-18-4	Tetrachloroethene	11	4.0	1.7	0.59
108-90-7	Chlorobenzene	ND	4.0	ND	0.87
100-41-4	Ethylbenzene	3.2 TR	4.0	0.75 TR	0.92
1330-20-7	m- & p-Xylene	12	4.0	2.7	0.92
75-25-2	Bromoform	ND	4.0	ND	0.39
100-42-5	Styrene	ND	4.0	ND	0.94
95-47-6	o-Xylene	3.3 TR	4.0	0.76 TR	0.92
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.0	ND	0.58
541-73-1	1,3-Dichlorobenzene	ND	4.0	ND	0.67
106-46-7	1,4-Dichlorobenzene	ND	4.0	ND	0.67
95-50-1	1,2-Dichlorobenzene	ND	4.0	ND	0.67

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RCS **Date:** 3/20/98

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW40-10-01
PAI Sample ID : P9800263-007

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/19/98
Volume(s) Analyzed : 0.250 (liters)

Pi 1 = -2.8
Pf 1 = 3.5 **D.F. = 1.53**

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	4.0	ND	1.9
75-01-4	Vinyl Chloride	ND	4.0	ND	1.6
74-83-9	Bromomethane	ND	4.0	ND	1.0
75-00-3	Chloroethane	ND	4.0	ND	1.5
67-64-1	Acetone	8.0	4.0	3.4	1.7
75-69-4	Trichlorofluoromethane	4.3	4.0	0.77	0.71
75-35-4	1,1-Dichloroethene	ND	4.0	ND	1.0
75-09-2	Methylene Chloride	ND	4.0	ND	1.2
76-13-1	Trichlorotrifluoroethane	ND	4.0	ND	0.52
75-15-0	Carbon Disulfide	ND	4.0	ND	1.3
156-60-5	trans-1,2-Dichloroethene	ND	4.0	ND	1.0
75-34-3	1,1-Dichloroethane	ND	4.0	ND	0.99
1634-04-4	Methyl tert-Butyl Ether	4.2	4.0	1.2	1.1
108-05-4	Vinyl Acetate	ND	4.0	ND	1.1
78-93-3	2-Butanone	ND	4.0	ND	1.4
156-59-2	cis-1,2-Dichloroethene	ND	4.0	ND	1.0
67-66-3	Chloroform	14	4.0	2.9	0.82
107-06-2	1,2-Dichloroethane	8.0	4.0	2.0	0.99
71-55-6	1,1,1-Trichloroethane	77	4.0	14	0.73
71-43-2	Benzene	40	4.0	12	1.3
56-23-5	Carbon Tetrachloride	ND	4.0	ND	0.64
78-87-5	1,2-Dichloropropane	ND	4.0	ND	0.87

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VWFD48-08-01
PAI Sample ID : P9800263-006

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/17/98
Volume(s) Analyzed : 0.0010 (liters)

Pi 1 = -0.2
Pf 1 = 3.4
D.F. = 1.25

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1,000	ND	150
79-01-6	Trichloroethene	ND	1,000	ND	190
10061-02-5	cis-1,3-Dichloropropene	ND	1,000	ND	220
108-10-1	4-Methyl-2-Pentanone	ND	1,000	ND	240
10061-02-6	trans-1,3-Dichloropropene	ND	1,000	ND	220
79-00-5	1,1,2-Trichloroethane	ND	1,000	ND	180
108-88-3	Toluene	ND	1,000	ND	270
591-78-6	2-Hexanone	ND	1,000	ND	240
124-48-1	Dibromochloromethane	ND	1,000	ND	120
106-93-4	1,2-Dibromoethane	ND	1,000	ND	130
127-18-4	Tetrachloroethene	ND	1,000	ND	150
108-90-7	Chlorobenzene	ND	1,000	ND	220
100-41-4	Ethylbenzene	710 TR	1,000	160 TR	230
1330-20-7	m- & p-Xylene	1,200	1,000	280	230
75-25-2	Bromoform	ND	1,000	ND	97
100-42-5	Styrene	ND	1,000	ND	230
95-47-6	o-Xylene	ND	1,000	ND	230
79-34-5	1,1,2,2-Tetrachloroethane	ND	1,000	ND	150
541-73-1	1,3-Dichlorobenzene	ND	1,000	ND	170
106-46-7	1,4-Dichlorobenzene	ND	1,000	ND	170
95-50-1	1,2-Dichlorobenzene	ND	1,000	ND	170

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VWFD48-08-01
PAI Sample ID : P9800263-006

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/17/98
Volume(s) Analyzed : 0.0010 (liters)

Pi 1 = -0.2
Pf 1 = 3.4 **D.F. =** 1.25

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1,000	ND	480
75-01-4	Vinyl Chloride	1,300	1,000	520	390
74-83-9	Bromomethane	ND	1,000	ND	260
75-00-3	Chloroethane	ND	1,000	ND	380
67-64-1	Acetone	ND	1,000	ND	420
75-69-4	Trichlorofluoromethane	ND	1,000	ND	180
75-35-4	1,1-Dichloroethene	ND	1,000	ND	250
75-09-2	Methylene Chloride	ND	1,000	ND	290
76-13-1	Trichlorotrifluoroethane	ND	1,000	ND	130
75-15-0	Carbon Disulfide	ND	1,000	ND	320
156-60-5	trans-1,2-Dichloroethene	ND	1,000	ND	250
75-34-3	1,1-Dichloroethane	ND	1,000	ND	250
1634-04-4	Methyl tert-Butyl Ether	ND	1,000	ND	280
108-05-4	Vinyl Acetate	ND	1,000	ND	280
78-93-3	2-Butanone	ND	1,000	ND	340
156-59-2	cis-1,2-Dichloroethene	ND	1,000	ND	250
67-66-3	Chloroform	ND	1,000	ND	200
107-06-2	1,2-Dichloroethane	ND	1,000	ND	250
71-55-6	1,1,1-Trichloroethane	ND	1,000	ND	180
71-43-2	Benzene	6,700	1,000	2,100	310
56-23-5	Carbon Tetrachloride	ND	1,000	ND	160
78-87-5	1,2-Dichloropropane	ND	1,000	ND	220

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/20/98

20934 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW48-35-01
PAI Sample ID : P9800263-005

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/19/98
Volume(s) Analyzed : 0.020 (liters)

Pi 1 = -0.1
Pf 1 = 3.4 **D.F. = 1.24**

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	50	ND	7.5
79-01-6	Trichloroethene	ND	50	ND	9.3
10061-02-5	cis-1,3-Dichloropropene	ND	50	ND	11
108-10-1	4-Methyl-2-Pentanone	ND	50	ND	12
10061-02-6	trans-1,3-Dichloropropene	ND	50	ND	11
79-00-5	1,1,2-Trichloroethane	ND	50	ND	9.2
108-88-3	Toluene	35 TR	50	9.4 TR	13
591-78-6	2-Hexanone	ND	50	ND	12
124-48-1	Dibromochloromethane	ND	50	ND	5.9
106-93-4	1,2-Dibromoethane	ND	50	ND	6.5
127-18-4	Tetrachloroethene	120	50	18	7.4
108-90-7	Chlorobenzene	ND	50	ND	11
100-41-4	Ethylbenzene	75	50	17	12
1330-20-7	m- & p-Xylene	140	50	32	12
75-25-2	Bromoform	ND	50	ND	4.8
100-42-5	Styrene	ND	50	ND	12
95-47-6	o-Xylene	ND	50	ND	12
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	ND	7.3
541-73-1	1,3-Dichlorobenzene	ND	50	ND	8.3
106-46-7	1,4-Dichlorobenzene	ND	50	ND	8.3
95-50-1	1,2-Dichlorobenzene	ND	50	ND	8.3

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW48-17-01
PAI Sample ID : P9800263-004

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/17/98
Volume(s) Analyzed : 0.00025 (liters)

Pi 1 = -1.2
Pf 1 = 3.5 **D.F. = 1.35**

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	4,000	ND	600
79-01-6	Trichloroethene	ND	4,000	ND	740
10061-02-5	cis-1,3-Dichloropropene	ND	4,000	ND	880
108-10-1	4-Methyl-2-Pentanone	ND	4,000	ND	980
10061-02-6	trans-1,3-Dichloropropene	ND	4,000	ND	880
79-00-5	1,1,2-Trichloroethane	ND	4,000	ND	730
108-88-3	Toluene	ND	4,000	ND	1,100
591-78-6	2-Hexanone	ND	4,000	ND	980
124-48-1	Dibromochloromethane	ND	4,000	ND	470
106-93-4	1,2-Dibromoethane	ND	4,000	ND	520
127-18-4	Tetrachloroethene	ND	4,000	ND	590
108-90-7	Chlorobenzene	ND	4,000	ND	870
100-41-4	Ethylbenzene	5,700	4,000	1,300	920
1330-20-7	m- & p-Xylene	28,000	4,000	6,400	920
75-25-2	Bromoform	ND	4,000	ND	390
100-42-5	Styrene	ND	4,000	ND	940
95-47-6	o-Xylene	ND	4,000	ND	920
79-34-5	1,1,2,2-Tetrachloroethane	ND	4,000	ND	580
541-73-1	1,3-Dichlorobenzene	ND	4,000	ND	670
106-46-7	1,4-Dichlorobenzene	ND	4,000	ND	670
95-50-1	1,2-Dichlorobenzene	ND	4,000	ND	670

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/20/98

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW48-17-01
PAI Sample ID : P9800263-004

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/17/98
Volume(s) Analyzed : 0.00025 (liters)

Pi 1 = -1.2
Pf 1 = 3.5
D.F. = 1.35

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	4,000	ND	1,900
75-01-4	Vinyl Chloride	ND	4,000	ND	1,600
74-83-9	Bromomethane	ND	4,000	ND	1,000
75-00-3	Chloroethane	ND	4,000	ND	1,500
67-64-1	Acetone	ND	4,000	ND	1,700
75-69-4	Trichlorofluoromethane	ND	4,000	ND	710
75-35-4	1,1-Dichloroethene	ND	4,000	ND	1,000
75-09-2	Methylene Chloride	ND	4,000	ND	1,200
76-13-1	Trichlorotrifluoroethane	ND	4,000	ND	520
75-15-0	Carbon Disulfide	ND	4,000	ND	1,300
156-60-5	trans-1,2-Dichloroethene	ND	4,000	ND	1,000
75-34-3	1,1-Dichloroethane	ND	4,000	ND	990
1634-04-4	Methyl tert-Butyl Ether	ND	4,000	ND	1,100
108-05-4	Vinyl Acetate	ND	4,000	ND	1,100
78-93-3	2-Butanone	ND	4,000	ND	1,400
156-59-2	cis-1,2-Dichloroethene	ND	4,000	ND	1,000
67-66-3	Chloroform	ND	4,000	ND	820
107-06-2	1,2-Dichloroethane	ND	4,000	ND	990
71-55-6	1,1,1-Trichloroethane	ND	4,000	ND	730
71-43-2	Benzene	21,000	4,000	6,700	1,300
56-23-5	Carbon Tetrachloride	ND	4,000	ND	640
78-87-5	1,2-Dichloropropane	ND	4,000	ND	870

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW48-35-01
PAI Sample ID : P9800263-005

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/19/98
Volume(s) Analyzed : 0.020 (liters)

Pi 1 = -0.1
Pf 1 = 3.4 **D.F. = 1.24**

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	50	ND	24
75-01-4	Vinyl Chloride	ND	50	ND	20
74-83-9	Bromomethane	ND	50	ND	13
75-00-3	Chloroethane	ND	50	ND	19
67-64-1	Acetone	ND	50	ND	21
75-69-4	Trichlorofluoromethane	ND	50	ND	8.9
75-35-4	1,1-Dichloroethene	ND	50	ND	13
75-09-2	Methylene Chloride	ND	50	ND	14
76-13-1	Trichlorotrifluoroethane	ND	50	ND	6.5
75-15-0	Carbon Disulfide	ND	50	ND	16
156-60-5	trans-1,2-Dichloroethene	ND	50	ND	13
75-34-3	1,1-Dichloroethane	ND	50	ND	12
1634-04-4	Methyl tert-Butyl Ether	ND	50	ND	14
108-05-4	Vinyl Acetate	ND	50	ND	14
78-93-3	2-Butanone	ND	50	ND	17
156-59-2	cis-1,2-Dichloroethene	ND	50	ND	13
67-66-3	Chloroform	ND	50	ND	10
107-06-2	1,2-Dichloroethane	ND	50	ND	12
71-55-6	1,1,1-Trichloroethane	ND	50	ND	9.2
71-43-2	Benzene	37 TR	50	12 TR	16
56-23-5	Carbon Tetrachloride	ND	50	ND	8.0
78-87-5	1,2-Dichloropropane	ND	50	ND	11

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW48-08-01
PAI Sample ID : P9800263-003

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/17/98
Volume(s) Analyzed : 0.0010 (liters)

Pi 1 = -0.3
Pf 1 = 3.5

D.F. = 1.26

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1,000	ND	150
79-01-6	Trichloroethene	ND	1,000	ND	190
10061-02-5	cis-1,3-Dichloropropene	ND	1,000	ND	220
108-10-1	4-Methyl-2-Pentanone	ND	1,000	ND	240
10061-02-6	trans-1,3-Dichloropropene	ND	1,000	ND	220
79-00-5	1,1,2-Trichloroethane	ND	1,000	ND	180
108-88-3	Toluene	ND	1,000	ND	270
591-78-6	2-Hexanone	ND	1,000	ND	240
124-48-1	Dibromochloromethane	ND	1,000	ND	120
106-93-4	1,2-Dibromoethane	ND	1,000	ND	130
127-18-4	Tetrachloroethene	ND	1,000	ND	150
108-90-7	Chlorobenzene	ND	1,000	ND	220
100-41-4	Ethylbenzene	720 TR	1,000	170 TR	230
1330-20-7	m- & p-Xylene	1,200	1,000	280	230
75-25-2	Bromoform	ND	1,000	ND	97
100-42-5	Styrene	ND	1,000	ND	230
95-47-6	o-Xylene	ND	1,000	ND	230
79-34-5	1,1,2,2-Tetrachloroethane	ND	1,000	ND	150
541-73-1	1,3-Dichlorobenzene	ND	1,000	ND	170
106-46-7	1,4-Dichlorobenzene	ND	1,000	ND	170
95-50-1	1,2-Dichlorobenzene	ND	1,000	ND	170

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW48-08-01
PAI Sample ID : P9800263-003

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/17/98
Volume(s) Analyzed : 0.0010 (liters)

Pi 1 = -0.3
Pf 1 = 3.5
D.F. = 1.26

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1,000	ND	480
75-01-4	Vinyl Chloride	1,200	1,000	480	390
74-83-9	Bromomethane	ND	1,000	ND	260
75-00-3	Chloroethane	ND	1,000	ND	380
67-64-1	Acetone	ND	1,000	ND	420
75-69-4	Trichlorofluoromethane	ND	1,000	ND	180
75-35-4	1,1-Dichloroethene	ND	1,000	ND	250
75-09-2	Methylene Chloride	ND	1,000	ND	290
76-13-1	Trichlorotrifluoroethane	ND	1,000	ND	130
75-15-0	Carbon Disulfide	ND	1,000	ND	320
156-60-5	trans-1,2-Dichloroethene	ND	1,000	ND	250
75-34-3	1,1-Dichloroethane	ND	1,000	ND	250
1634-04-4	Methyl tert-Butyl Ether	ND	1,000	ND	280
108-05-4	Vinyl Acetate	ND	1,000	ND	280
78-93-3	2-Butanone	ND	1,000	ND	340
156-59-2	cis-1,2-Dichloroethene	ND	1,000	ND	250
67-66-3	Chloroform	ND	1,000	ND	200
107-06-2	1,2-Dichloroethane	ND	1,000	ND	250
71-55-6	1,1,1-Trichloroethane	ND	1,000	ND	180
71-43-2	Benzene	7,100	1,000	2,200	310
56-23-5	Carbon Tetrachloride	ND	1,000	ND	160
78-87-5	1,2-Dichloropropane	ND	1,000	ND	220

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW03-35-01
PAI Sample ID : P9800263-002

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/19/98
Volume(s) Analyzed : 0.100 (liters)

Pi 1 = 0.2
Pf 1 = 3.5
D.F. = 1.22

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	10	ND	1.5
79-01-6	Trichloroethene	ND	10	ND	1.9
10061-02-5	cis-1,3-Dichloropropene	ND	10	ND	2.2
108-10-1	4-Methyl-2-Pentanone	ND	10	ND	2.4
10061-02-6	trans-1,3-Dichloropropene	ND	10	ND	2.2
79-00-5	1,1,2-Trichloroethane	ND	10	ND	1.8
108-88-3	Toluene	19	10	5.0	2.7
591-78-6	2-Hexanone	ND	10	ND	2.4
124-48-1	Dibromochloromethane	ND	10	ND	1.2
106-93-4	1,2-Dibromoethane	ND	10	ND	1.3
127-18-4	Tetrachloroethene	52	10	7.7	1.5
108-90-7	Chlorobenzene	ND	10	ND	2.2
100-41-4	Ethylbenzene	18	10	4.1	2.3
1330-20-7	m- & p-Xylene	19	10	4.3	2.3
75-25-2	Bromoform	ND	10	ND	0.97
100-42-5	Styrene	ND	10	ND	2.3
95-47-6	o-Xylene	7.9 TR	10	1.8 TR	2.3
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	ND	1.5
541-73-1	1,3-Dichlorobenzene	ND	10	ND	1.7
106-46-7	1,4-Dichlorobenzene	ND	10	ND	1.7
95-50-1	1,2-Dichlorobenzene	ND	10	ND	1.7

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/20/98

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW03-35-01
PAI Sample ID : P9800263-002

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/19/98
Volume(s) Analyzed : 0.100 (liters)

Pi 1 = 0.2
Pf 1 = 3.5
D.F. = 1.22

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	10	ND	4.8
75-01-4	Vinyl Chloride	ND	10	ND	3.9
74-83-9	Bromomethane	ND	10	ND	2.6
75-00-3	Chloroethane	ND	10	ND	3.8
67-64-1	Acetone	78	10	33	4.2
75-69-4	Trichlorofluoromethane	ND	10	ND	1.8
75-35-4	1,1-Dichloroethene	ND	10	ND	2.5
75-09-2	Methylene Chloride	ND	10	ND	2.9
76-13-1	Trichlorotrifluoroethane	ND	10	ND	1.3
75-15-0	Carbon Disulfide	ND	10	ND	3.2
156-60-5	trans-1,2-Dichloroethene	ND	10	ND	2.5
75-34-3	1,1-Dichloroethane	ND	10	ND	2.5
1634-04-4	Methyl tert-Butyl Ether	ND	10	ND	2.8
108-05-4	Vinyl Acetate	ND	10	ND	2.8
78-93-3	2-Butanone	33	10	11	3.4
156-59-2	cis-1,2-Dichloroethene	ND	10	ND	2.5
67-66-3	Chloroform	ND	10	ND	2.0
107-06-2	1,2-Dichloroethane	ND	10	ND	2.5
71-55-6	1,1,1-Trichloroethane	ND	10	ND	1.8
71-43-2	Benzene	48	10	15	3.1
56-23-5	Carbon Tetrachloride	ND	10	ND	1.6
78-87-5	1,2-Dichloropropane	ND	10	ND	2.2

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW04-23-01
PAI Sample ID : P9800263-001

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/19/98
Volume(s) Analyzed : 0.0010 (liters)

Pi 1 = -0.2
Pf 1 = 3.4
D.F. = 1.25

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1,000	ND	150
79-01-6	Trichloroethene	ND	1,000	ND	190
10061-02-5	cis-1,3-Dichloropropene	ND	1,000	ND	220
108-10-1	4-Methyl-2-Pentanone	ND	1,000	ND	240
10061-02-6	trans-1,3-Dichloropropene	ND	1,000	ND	220
79-00-5	1,1,2-Trichloroethane	ND	1,000	ND	180
108-88-3	Toluene	ND	1,000	ND	270
591-78-6	2-Hexanone	ND	1,000	ND	240
124-48-1	Dibromochloromethane	ND	1,000	ND	120
106-93-4	1,2-Dibromoethane	ND	1,000	ND	130
127-18-4	Tetrachloroethene	ND	1,000	ND	150
108-90-7	Chlorobenzene	ND	1,000	ND	220
100-41-4	Ethylbenzene	ND	1,000	ND	230
1330-20-7	m- & p-Xylene	ND	1,000	ND	230
75-25-2	Bromoform	ND	1,000	ND	97
100-42-5	Styrene	ND	1,000	ND	230
95-47-6	o-Xylene	ND	1,000	ND	230
79-34-5	1,1,2,2-Tetrachloroethane	ND	1,000	ND	150
541-73-1	1,3-Dichlorobenzene	ND	1,000	ND	170
106-46-7	1,4-Dichlorobenzene	ND	1,000	ND	170
95-50-1	1,2-Dichlorobenzene	ND	1,000	ND	170

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW04-23-01
PAI Sample ID : P9800263-001

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/19/98
Volume(s) Analyzed : 0.0010 (liters)

Pi 1 = -0.2
Pf 1 = 3.4
D.F. = 1.25

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1,000	ND	480
75-01-4	Vinyl Chloride	ND	1,000	ND	390
74-83-9	Bromomethane	ND	1,000	ND	260
75-00-3	Chloroethane	ND	1,000	ND	380
67-64-1	Acetone	ND	1,000	ND	420
75-69-4	Trichlorofluoromethane	ND	1,000	ND	180
75-35-4	1,1-Dichloroethene	ND	1,000	ND	250
75-09-2	Methylene Chloride	ND	1,000	ND	290
76-13-1	Trichlorotrifluoroethane	ND	1,000	ND	130
75-15-0	Carbon Disulfide	ND	1,000	ND	320
156-60-5	trans-1,2-Dichloroethene	ND	1,000	ND	250
75-34-3	1,1-Dichloroethane	ND	1,000	ND	250
1634-04-4	Methyl tert-Butyl Ether	ND	1,000	ND	280
108-05-4	Vinyl Acetate	ND	1,000	ND	280
78-93-3	2-Butanone	ND	1,000	ND	340
156-59-2	cis-1,2-Dichloroethene	1,800	1,000	460	250
67-66-3	Chloroform	ND	1,000	ND	200
107-06-2	1,2-Dichloroethane	ND	1,000	ND	250
71-55-6	1,1,1-Trichloroethane	ND	1,000	ND	180
71-43-2	Benzene	2,600	1,000	830	310
56-23-5	Carbon Tetrachloride	ND	1,000	ND	160
78-87-5	1,2-Dichloropropane	ND	1,000	ND	220

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : N/A
PAI Sample ID : PAI Method Blank

Test Code :	EPA 25C	Date Sampled :	N/A
Instrument :	HP5890A/FID/TCA	Date Received :	N/A
Analyst :	Wade Henton	Date Analyzed :	3/2/98
Matrix :	Summa Canister	Volume(s) Analyzed :	0.50 ml

Pi 1 = 0.0 Pf 1 = 0.0

D.F. = 1.00

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	ND	0.50
	Total Non-Methane Organics (as Methane)	ND	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW27-35-01
PAI Sample ID : P9800263-015 (Laboratory Duplicate)

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/2/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = 0.4 Pf 1 = 3.5

D.F. = 1.21

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	ND	0.50
	Total Non-Methane Organics (as Methane)	92	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW27-35-01
PAI Sample ID : P9800263-015

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/2/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = 0.4 Pf 1 = 3.5

D.F. = 1.21

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	ND	0.50
	Total Non-Methane Organics (as Methane)	95	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW27-19-01
PAI Sample ID : P9800263-014

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/2/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = 0.2 Pf 1 = 3.5

D.F. = 1.22

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	1.8	0.50
	Total Non-Methane Organics (as Methane)	6.0	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RCS

Date : 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW38-34-01
PAI Sample ID : P9800263-013

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/2/98
Volume(s) Analyzed : 0.50 ml
0.062 ml

Pi 1 = 0.0 Pf 1 = 3.5

D.F. = 1.24

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	79	0.50
	Total Non-Methane Organics (as Methane)	360	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW38-10-01
PAI Sample ID : P9800263-012

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/2/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = -0.7 Pf 1 = 3.5

D.F. = 1.30

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	21	0.50
	Total Non-Methane Organics (as Methane)	21	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW46-27-01
PAI Sample ID : P9800263-011

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/2/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = 0.1 Pf 1 = 3.6

D.F. = 1.24

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	ND	0.50
	Total Non-Methane Organics (as Methane)	86	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW46-15-01
PAI Sample ID : P9800263-010

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/2/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = -0.1 Pf 1 = 3.4

D.F. = 1.24

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	ND	0.50
	Total Non-Methane Organics (as Methane)	84	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VWFB27-35-01
PAI Sample ID : P9800263-009

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/2/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = -1.0 Pf 1 = 3.6

D.F. = 1.34

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	1.4	0.50
	Total Non-Methane Organics (as Methane)	3.0	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW40-25-01
PAI Sample ID : P9800263-008

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/2/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = -0.5 Pf 1 = 3.4

D.F. = 1.27

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	ND	0.50
	Total Non-Methane Organics (as Methane)	74	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW40-10-01
PAI Sample ID : P9800263-007 (Laboratory Duplicate)

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/2/98
Volume(s) Analyzed : 0.062 ml

Pi 1 = -2.8 Pf 1 = 3.5

D.F. = 1.53

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	8,200	4.0
	Total Non-Methane Organics (as Methane)	54	8.1

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW40-10-01
PAI Sample ID : P9800263-007

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/2/98
Volume(s) Analyzed : 0.062 ml

Pi 1 = -2.8 Pf 1 = 3.5

D.F. = 1.53

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	8,200	4.0
	Total Non-Methane Organics (as Methane)	56	8.1

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VWFD48-08-01
PAI Sample ID : P9800263-006

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/2/98
Volume(s) Analyzed : 0.062 ml

Pi 1 = -0.2 Pf 1 = 3.4

D.F. = 1.25

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
	Total Non-Methane Organics (as Methane)	9,500	8.1

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW48-35-01
PAI Sample ID : P9800263-005

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/2/98
Volume(s) Analyzed : 0.062 ml

Pi 1 = -0.1 Pf 1 = 3.4

D.F. = 1.24

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	37,000	4.0
	Total Non-Methane Organics (as Methane)	800	8.1

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW48-17-01
PAI Sample ID : P9800263-004

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/2/98
Volume(s) Analyzed : 0.062 ml

Pi 1 = -1.2 Pf 1 = 3.5

D.F. = 1.35

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
	Total Non-Methane Organics (as Methane)	46,000	8.1

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW48-08-01
PAI Sample ID : P9800263-003

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/2/98
Volume(s) Analyzed : 0.062 ml

Pi 1 = -0.3 Pf 1 = 3.5

D.F. = 1.26

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
	Total Non-Methane Organics (as Methane)	9,800	8.1

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW03-35-01
PAI Sample ID : P9800263-002

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/2/98
Volume(s) Analyzed : 0.062 ml

Pi 1 = 0.2 Pf 1 = 3.5

D.F. = 1.22

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	14,000	4.0
	Total Non-Methane Organics (as Methane)	130	8.1

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW04-23-01
PAI Sample ID : P9800263-001

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/17/98
Date Received : 2/18/98
Date Analyzed : 3/2/98
Volume(s) Analyzed : 0.062 ml

Pi 1 = -0.2 Pf 1 = 3.4

D.F. = 1.25

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
	Total Non-Methane Organics (as Methane)	13,000	8.1

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF METHANE ANALYSIS

Client: TRC

Client Project ID: 94-256
PAI Project ID: P9800263

Test Code: GC/TCD
Instrument ID: HP 5890A/TCD #1
Analyst: Wade Henton
Matrix: Summa Canister(s)

Date Sampled: 2/17/98
Date Received: 2/18/98
Date Analyzed: 3/3/98
Volume(s) Analyzed: 1.00 ml
0.10 ml

Client Sample ID	PAI Sample ID	D.F.	Methane (%, v/v) Result	Reporting Limit
WD1-VW04-23-01	P9800263-001	1.25	13.0	0.100
WD1-VW48-08-01	P9800263-003	1.26	36.5	0.100
WD1-VW48-08-01	Lab Duplicate	1.26	36.7	0.100
WD1-VW48-17-01	P9800263-004	1.35	53.9	0.100
WD1-VWFD48-08-01	P9800263-006	1.25	36.9	0.100
N/A (3/3/98)	Method Blank	1.00	ND	0.0100

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/20/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Ship To: VOC Analytical
Attn: Sample Control
801 Western
Glendale CA

Page 1 of
Project Name: WD1
Project No.: 94-256
Site Location: Santa Fe Springs CA
Date: 2/17/98

CHAIN OF CUSTODY RECORD

99800263

Boring/Well No.	Sample No.	Depth	Date	Time	Sample Type: Water	Solid	Other	Comp.	Grab.	Sample Containers: Vol.	No.	Type	Pres.	Analysis: TO-15	Methane	NMHC					Remarks	
WD1-VW	04-23-01		2/17/98	1030			Air			6L	1	Sums	–	X	X	X					-001	529
WD1-VW	03-35-01			1107										X	X	X					-002	232
WD1-VW	48-08-01			1205										X	X	X					-003	0314
WD1-VW	48-17-01			1448										X	X	X					-004	564
WD1-VW	48-35-01			1213										X	X	X					-005	73
WD1-VWFD	48-08-01			1205										X	X	X					-006	0297
WD1-VW	40-10-01			1335										X	X	X					-007	299
WD1-VW	40-25-01			1340										X	X	X					-008	212
~~WD1-VW~~	~~46-07~~	WD1-VWFB27-35-01			C1610									X	X	X					-009	501
WD1-VW	46-15-01			1435										X	X	X					-010	245
WD1-VW	46-28-01			1440										X	X	X					-011	WD1-VW46-27-01 379
WD1-VW	38-10-01			1630										X	X	X					-012	576
WD1-VW	38-34-01			1525										X	X	X					-013	202
WD1-VW	27-19-01			1620										X	X	X					-014	590
WD1-VW	27-35-01			1630										X	X	X					-015	551

Total Number of Samples Shipped: 15 Shipper's Signature: Glenn Chadwick

	Signature	Company	Date	Time
Relinquished by:	Glenn Chadwick	TRC	2/17/98	
Received by:	[signature]	ARIA	2-17-98	4:35
Relinquished by:	[signature]	ARIA	2-18-98	8:40
Received by:	[signature]	PAI	2-18-98	8:45
Relinquished by:				
Received by:				

Special Instructions / Shipment / Handling/ Storage Requirements:

Send results attn. Roberto Rugo

The material(s) listed are received for analysis and/or treatability evaluation and remain the property of the client and not Environmental Solutions, Inc. At the conclusion of the test work, all remaining material(s) will be returned to the client for eventual disposal at a licensed facility.

☒ ENVIRONMENTAL SOLUTIONS, INC.
21 Technology Drive
Irvine, California 92718

☐ ENVIRONMENTAL SOLUTIONS, INC.
1172 Pelican Bay Drive
Daytona Beach, Florida 32119

☐ ENVIRONMENTAL SOLUTIONS, INC.
1201 N. McDowell Boulevard
Petaluma, California 94954

☐ ENVIRONMENTAL SOLUTIONS, INC.
2815 Mitchell Drive, Suite 103
Walnut Creek, California 94598

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW34-10-01
PAI Sample ID : P9800285-001

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/18/98
Date Received : 2/19/98
Date Analyzed : 3/3/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = -0.2 Pf 1 = 3.7
D.F. = 1.27

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	2.4	0.50
	Total Non-Methane Organics (as Methane)	31	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/19/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW34-10-01
PAI Sample ID : P9800285-001 (Laboratory Duplicate)

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/18/98
Date Received : 2/19/98
Date Analyzed : 3/3/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = -0.2 Pf 1 = 3.7

D.F. = 1.27

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	2.4	0.50
	Total Non-Methane Organics (as Methane)	30	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/19/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW34-23-01
PAI Sample ID : P9800285-002

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/18/98
Date Received : 2/19/98
Date Analyzed : 3/3/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = 0.0 Pf 1 = 4.1

D.F. = 1.28

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	0.77	0.50
	Total Non-Methane Organics (as Methane)	110	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/9/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW34-40-01
PAI Sample ID : P9800285-003

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/18/98
Date Received : 2/19/98
Date Analyzed : 3/3/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = 0.1 Pf 1 = 3.5

D.F. = 1.23

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	1.2	0.50
	Total Non-Methane Organics (as Methane)	85	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/19/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW29-10-01
PAI Sample ID : P9800285-004

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/18/98
Date Received : 2/19/98
Date Analyzed : 3/3/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = -0.1 Pf 1 = 3.5

D.F. = 1.25

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	1.2	0.50
	Total Non-Methane Organics (as Methane)	18	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/19/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW29-23-01
PAI Sample ID : P9800285-005

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/18/98
Date Received : 2/19/98
Date Analyzed : 3/3/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = 0.4 Pf 1 = 3.5

D.F. = 1.21

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	ND	0.50
	Total Non-Methane Organics (as Methane)	44	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/19/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW29-35-01
PAI Sample ID : P9800285-006

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/18/98
Date Received : 2/19/98
Date Analyzed : 3/3/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = 0.4 Pf 1 = 3.5
D.F. = 1.21

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	ND	0.50
	Total Non-Methane Organics (as Methane)	64	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RCS

Date : 3/19/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW30-07-01
PAI Sample ID : P9800285-007

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/18/98
Date Received : 2/19/98
Date Analyzed : 3/3/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = 0.4 Pf 1 = 3.5

D.F. = 1.21

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	4.8	0.50
	Total Non-Methane Organics (as Methane)	29	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/19/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW30-23-01
PAI Sample ID : P9800285-008

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/18/98
Date Received : 2/19/98
Date Analyzed : 3/3/98
Volume(s) Analyzed : 0.50 ml
0.062 ml

Pi 1 = 0.2 Pf 1 = 3.5

D.F. = 1.22

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	9,200	0.50
	Total Non-Methane Organics (as Methane)	170	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RC

Date : 3/19/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW30-35-01
PAI Sample ID : P9800285-009

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/18/98
Date Received : 2/19/98
Date Analyzed : 3/3/98
Volume(s) Analyzed : 0.50 ml
0.062 ml

Pi 1 = 0.0 Pf 1 = 3.5

D.F. = 1.24

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	11,000	0.50
	Total Non-Methane Organics (as Methane)	220	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/19/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : N/A
PAI Sample ID : PAI Method Blank

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 3/3/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = 0.0 Pf 1 = 0.0

D.F. = 1.00

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	ND	0.50
	Total Non-Methane Organics (as Methane)	ND	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RCS

Date : 3/19/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW34-10-01
PAI Sample ID : P9800285-001

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/18/98
Date Received : 2/19/98
Date Analyzed : 3/18/98, 3/19/98
Volume(s) Analyzed : 0.250 (liters)
0.040 (liters)

Pi 1 = -0.2
Pf 1 = 3.7
D.F. = 1.27

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	4.0	ND	1.9
75-01-4	Vinyl Chloride	ND	4.0	ND	1.6
74-83-9	Bromomethane	ND	4.0	ND	1.0
75-00-3	Chloroethane	ND	4.0	ND	1.5
67-64-1	Acetone	8.7	4.0	3.7	1.7
75-69-4	Trichlorofluoromethane	ND	4.0	ND	0.71
75-35-4	1,1-Dichloroethene	ND	4.0	ND	1.0
75-09-2	Methylene Chloride	ND	4.0	ND	1.2
76-13-1	Trichlorotrifluoroethane	ND	4.0	ND	0.52
75-15-0	Carbon Disulfide	6.6	4.0	2.1	1.3
156-60-5	trans-1,2-Dichloroethene	ND	4.0	ND	1.0
75-34-3	1,1-Dichloroethane	ND	4.0	ND	0.99
1634-04-4	Methyl tert-Butyl Ether	6.6	4.0	1.8	1.1
108-05-4	Vinyl Acetate	ND	4.0	ND	1.1
78-93-3	2-Butanone	ND	4.0	ND	1.4
156-59-2	cis-1,2-Dichloroethene	ND	4.0	ND	1.0
67-66-3	Chloroform	5.7	4.0	1.2	0.82
107-06-2	1,2-Dichloroethane	ND	4.0	ND	0.99
71-55-6	1,1,1-Trichloroethane	2,400	4.0	440	0.73
71-43-2	Benzene	ND	4.0	ND	1.3
56-23-5	Carbon Tetrachloride	ND	4.0	ND	0.64
78-87-5	1,2-Dichloropropane	ND	4.0	ND	0.87

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/19/98

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW34-10-01
PAI Sample ID : P9800285-001

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/18/98
Date Received : 2/19/98
Date Analyzed : 3/18/98, 3/19/98
Volume(s) Analyzed : 0.250 (liters)
0.040 (liters)

Pi 1 = -0.2
Pf 1 = 3.7
D.F. = 1.27

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	3.2 TR	4.0	0.48 TR	0.60
79-01-6	Trichloroethene	2.9 TR	4.0	0.54 TR	0.74
10061-02-5	cis-1,3-Dichloropropene	ND	4.0	ND	0.88
108-10-1	4-Methyl-2-Pentanone	ND	4.0	ND	0.98
10061-02-6	trans-1,3-Dichloropropene	ND	4.0	ND	0.88
79-00-5	1,1,2-Trichloroethane	ND	4.0	ND	0.73
108-88-3	Toluene	16	4.0	4.2	1.1
591-78-6	2-Hexanone	ND	4.0	ND	0.98
124-48-1	Dibromochloromethane	ND	4.0	ND	0.47
106-93-4	1,2-Dibromoethane	ND	4.0	ND	0.52
127-18-4	Tetrachloroethene	15	4.0	2.2	0.59
108-90-7	Chlorobenzene	ND	4.0	ND	0.87
100-41-4	Ethylbenzene	3.6 TR	4.0	0.83 TR	0.92
1330-20-7	m- & p-Xylene	15	4.0	3.4	0.92
75-25-2	Bromoform	ND	4.0	ND	0.39
100-42-5	Styrene	ND	4.0	ND	0.94
95-47-6	o-Xylene	3.7 TR	4.0	0.85 TR	0.92
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.0	ND	0.58
541-73-1	1,3-Dichlorobenzene	ND	4.0	ND	0.67
106-46-7	1,4-Dichlorobenzene	ND	4.0	ND	0.67
95-50-1	1,2-Dichlorobenzene	ND	4.0	ND	0.67

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/19/98

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW34-23-01
PAI Sample ID : P9800285-002

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/18/98
Date Received : 2/19/98
Date Analyzed : 3/18/98
Volume(s) Analyzed : 0.250 (liters)

Pi 1 = 0.0
Pf 1 = 4.1
D.F. = 1.28

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	4.0	ND	1.9
75-01-4	Vinyl Chloride	ND	4.0	ND	1.6
74-83-9	Bromomethane	ND	4.0	ND	1.0
75-00-3	Chloroethane	ND	4.0	ND	1.5
67-64-1	Acetone	7.3	4.0	3.1	1.7
75-69-4	Trichlorofluoromethane	ND	4.0	ND	0.71
75-35-4	1,1-Dichloroethene	ND	4.0	ND	1.0
75-09-2	Methylene Chloride	ND	4.0	ND	1.2
76-13-1	Trichlorotrifluoroethane	ND	4.0	ND	0.52
75-15-0	Carbon Disulfide	8.9	4.0	2.8	1.3
156-60-5	trans-1,2-Dichloroethene	ND	4.0	ND	1.0
75-34-3	1,1-Dichloroethane	ND	4.0	ND	0.99
1634-04-4	Methyl tert-Butyl Ether	4.4	4.0	1.2	1.1
108-05-4	Vinyl Acetate	ND	4.0	ND	1.1
78-93-3	2-Butanone	ND	4.0	ND	1.4
156-59-2	cis-1,2-Dichloroethene	ND	4.0	ND	1.0
67-66-3	Chloroform	2.8 TR	4.0	0.58 TR	0.82
107-06-2	1,2-Dichloroethane	ND	4.0	ND	0.99
71-55-6	1,1,1-Trichloroethane	81	4.0	15	0.73
71-43-2	Benzene	ND	4.0	ND	1.3
56-23-5	Carbon Tetrachloride	ND	4.0	ND	0.64
78-87-5	1,2-Dichloropropane	ND	4.0	ND	0.87

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/19/98

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW34-23-01
PAI Sample ID : P980028S-002

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/18/98
Date Received : 2/19/98
Date Analyzed : 3/18/98
Volume(s) Analyzed : 0.250 (liters)

Pi 1 = 0.0
Pf 1 = 4.1
D.F. = 1.28

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	4.0	ND	0.60
79-01-6	Trichloroethene	ND	4.0	ND	0.74
10061-02-5	cis-1,3-Dichloropropene	ND	4.0	ND	0.88
108-10-1	4-Methyl-2-Pentanone	ND	4.0	ND	0.98
10061-02-6	trans-1,3-Dichloropropene	ND	4.0	ND	0.88
79-00-5	1,1,2-Trichloroethane	ND	4.0	ND	0.73
108-88-3	Toluene	12	4.0	3.3	1.1
591-78-6	2-Hexanone	ND	4.0	ND	0.98
124-48-1	Dibromochloromethane	ND	4.0	ND	0.47
106-93-4	1,2-Dibromoethane	ND	4.0	ND	0.52
127-18-4	Tetrachloroethene	61	4.0	9.0	0.59
108-90-7	Chlorobenzene	ND	4.0	ND	0.87
100-41-4	Ethylbenzene	ND	4.0	ND	0.92
1330-20-7	m- & p-Xylene	10	4.0	2.4	0.92
75-25-2	Bromoform	ND	4.0	ND	0.39
100-42-5	Styrene	ND	4.0	ND	0.94
95-47-6	o-Xylene	ND	4.0	ND	0.92
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.0	ND	0.58
541-73-1	1,3-Dichlorobenzene	ND	4.0	ND	0.67
106-46-7	1,4-Dichlorobenzene	ND	4.0	ND	0.67
95-50-1	1,2-Dichlorobenzene	ND	4.0	ND	0.67

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/19/98

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW34-40-01
PAI Sample ID : P9800285-003

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/18/98
Date Received : 2/19/98
Date Analyzed : 3/18/98
Volume(s) Analyzed : 0.250 (liters)

Pi 1 = 0.1
Pf 1 = 3.5
D.F. = 1.23

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	4.0	ND	1.9
75-01-4	Vinyl Chloride	ND	4.0	ND	1.6
74-83-9	Bromomethane	ND	4.0	ND	1.0
75-00-3	Chloroethane	ND	4.0	ND	1.5
67-64-1	Acetone	10	4.0	4.2	1.7
75-69-4	Trichlorofluoromethane	ND	4.0	ND	0.71
75-35-4	1,1-Dichloroethene	ND	4.0	ND	1.0
75-09-2	Methylene Chloride	ND	4.0	ND	1.2
76-13-1	Trichlorotrifluoroethane	ND	4.0	ND	0.52
75-15-0	Carbon Disulfide	5.9	4.0	1.9	1.3
156-60-5	trans-1,2-Dichloroethene	ND	4.0	ND	1.0
75-34-3	1,1-Dichloroethane	ND	4.0	ND	0.99
1634-04-4	Methyl tert-Butyl Ether	4.6	4.0	1.3	1.1
108-05-4	Vinyl Acetate	ND	4.0	ND	1.1
78-93-3	2-Butanone	ND	4.0	ND	1.4
156-59-2	cis-1,2-Dichloroethene	ND	4.0	ND	1.0
67-66-3	Chloroform	8.6	4.0	1.8	0.82
107-06-2	1,2-Dichloroethane	ND	4.0	ND	0.99
71-55-6	1,1,1-Trichloroethane	49	4.0	9.0	0.73
71-43-2	Benzene	ND	4.0	ND	1.3
56-23-5	Carbon Tetrachloride	ND	4.0	ND	0.64
78-87-5	1,2-Dichloropropane	ND	4.0	ND	0.87

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/19/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW34-40-01
PAI Sample ID : P9800285-003

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/18/98
Date Received : 2/19/98
Date Analyzed : 3/18/98
Volume(s) Analyzed : 0.250 (liters)

Pi 1 = 0.1
Pf 1 = 3.5
D.F. = 1.23

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	4.0	ND	0.60
79-01-6	Trichloroethene	30	4.0	5.6	0.74
10061-02-5	cis-1,3-Dichloropropene	ND	4.0	ND	0.88
108-10-1	4-Methyl-2-Pentanone	ND	4.0	ND	0.98
10061-02-6	trans-1,3-Dichloropropene	ND	4.0	ND	0.88
79-00-5	1,1,2-Trichloroethane	ND	4.0	ND	0.73
108-88-3	Toluene	13	4.0	3.4	1.1
591-78-6	2-Hexanone	ND	4.0	ND	0.98
124-48-1	Dibromochloromethane	ND	4.0	ND	0.47
106-93-4	1,2-Dibromoethane	ND	4.0	ND	0.52
127-18-4	Tetrachloroethene	40	4.0	5.9	0.59
108-90-7	Chlorobenzene	ND	4.0	ND	0.87
100-41-4	Ethylbenzene	2.9 TR	4.0	0.66 TR	0.92
1330-20-7	m- & p-Xylene	12	4.0	2.7	0.92
75-25-2	Bromoform	ND	4.0	ND	0.39
100-42-5	Styrene	ND	4.0	ND	0.94
95-47-6	o-Xylene	2.7 TR	4.0	0.61 TR	0.92
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.0	ND	0.58
541-73-1	1,3-Dichlorobenzene	ND	4.0	ND	0.67
106-46-7	1,4-Dichlorobenzene	ND	4.0	ND	0.67
95-50-1	1,2-Dichlorobenzene	ND	4.0	ND	0.67

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/19/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW29-10-01
PAI Sample ID : P9800285-004

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/18/98
Date Received : 2/19/98
Date Analyzed : 3/18/98
Volume(s) Analyzed : 0.250 (liters)

Pi 1 = -0.1
Pf 1 = 3.5
D.F. = 1.25

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	4.0	ND	1.9
75-01-4	Vinyl Chloride	ND	4.0	ND	1.6
74-83-9	Bromomethane	ND	4.0	ND	1.0
75-00-3	Chloroethane	ND	4.0	ND	1.5
67-64-1	Acetone	16	4.0	6.7	1.7
75-69-4	Trichlorofluoromethane	2.6 TR	4.0	0.46 TR	0.71
75-35-4	1,1-Dichloroethene	ND	4.0	ND	1.0
75-09-2	Methylene Chloride	ND	4.0	ND	1.2
76-13-1	Trichlorotrifluoroethane	18	4.0	2.3	0.52
75-15-0	Carbon Disulfide	5.7	4.0	1.8	1.3
156-60-5	trans-1,2-Dichloroethene	ND	4.0	ND	1.0
75-34-3	1,1-Dichloroethane	ND	4.0	ND	0.99
1634-04-4	Methyl tert-Butyl Ether	9.4	4.0	2.6	1.1
108-05-4	Vinyl Acetate	ND	4.0	ND	1.1
78-93-3	2-Butanone	ND	4.0	ND	1.4
156-59-2	cis-1,2-Dichloroethene	ND	4.0	ND	1.0
67-66-3	Chloroform	9.6	4.0	2.0	0.82
107-06-2	1,2-Dichloroethane	ND	4.0	ND	0.99
71-55-6	1,1,1-Trichloroethane	110	4.0	20	0.73
71-43-2	Benzene	4.2	4.0	1.3	1.3
56-23-5	Carbon Tetrachloride	ND	4.0	ND	0.64
78-87-5	1,2-Dichloropropane	ND	4.0	ND	0.87

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/19/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW29-10-01
PAI Sample ID : P9800285-004

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/18/98
Date Received : 2/19/98
Date Analyzed : 3/18/98
Volume(s) Analyzed : 0.250 (liters)

Pi 1 = -0.1
Pf 1 = 3.5 **D.F. = 1.25**

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	16	4.0	2.4	0.60
79-01-6	Trichloroethene	ND	4.0	ND	0.74
10061-02-5	cis-1,3-Dichloropropene	ND	4.0	ND	0.88
108-10-1	4-Methyl-2-Pentanone	ND	4.0	ND	0.98
10061-02-6	trans-1,3-Dichloropropene	ND	4.0	ND	0.88
79-00-5	1,1,2-Trichloroethane	ND	4.0	ND	0.73
108-88-3	Toluene	28	4.0	7.4	1.1
591-78-6	2-Hexanone	ND	4.0	ND	0.98
124-48-1	Dibromochloromethane	32	4.0	3.7	0.47
106-93-4	1,2-Dibromoethane	ND	4.0	ND	0.52
127-18-4	Tetrachloroethene	8.3	4.0	1.2	0.59
108-90-7	Chlorobenzene	ND	4.0	ND	0.87
100-41-4	Ethylbenzene	5.4	4.0	1.2	0.92
1330-20-7	m- & p-Xylene	23	4.0	5.2	0.92
75-25-2	Bromoform	35	4.0	3.4	0.39
100-42-5	Styrene	ND	4.0	ND	0.94
95-47-6	o-Xylene	5.3	4.0	1.2	0.92
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.0	ND	0.58
541-73-1	1,3-Dichlorobenzene	ND	4.0	ND	0.67
106-46-7	1,4-Dichlorobenzene	ND	4.0	ND	0.67
95-50-1	1,2-Dichlorobenzene	ND	4.0	ND	0.67

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/19/98

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW29-23-01
PAI Sample ID : P9800285-005

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/18/98
Date Received : 2/19/98
Date Analyzed : 3/19/98
Volume(s) Analyzed : 0.250 (liters)

Pi 1 = 0.4
Pf 1 = 3.5
D.F. = 1.21

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	4.0	ND	1.9
75-01-4	Vinyl Chloride	ND	4.0	ND	1.6
74-83-9	Bromomethane	ND	4.0	ND	1.0
75-00-3	Chloroethane	ND	4.0	ND	1.5
67-64-1	Acetone	8.5	4.0	3.6	1.7
75-69-4	Trichlorofluoromethane	4.5	4.0	0.81	0.71
75-35-4	1,1-Dichloroethene	ND	4.0	ND	1.0
75-09-2	Methylene Chloride	ND	4.0	ND	1.2
76-13-1	Trichlorotrifluoroethane	70	4.0	9.2	0.52
75-15-0	Carbon Disulfide	ND	4.0	ND	1.3
156-60-5	trans-1,2-Dichloroethene	ND	4.0	ND	1.0
75-34-3	1,1-Dichloroethane	ND	4.0	ND	0.99
1634-04-4	Methyl tert-Butyl Ether	3.8 TR	4.0	1.1 TR	1.1
108-05-4	Vinyl Acetate	ND	4.0	ND	1.1
78-93-3	2-Butanone	ND	4.0	ND	1.4
156-59-2	cis-1,2-Dichloroethene	ND	4.0	ND	1.0
67-66-3	Chloroform	ND	4.0	ND	0.82
107-06-2	1,2-Dichloroethane	ND	4.0	ND	0.99
71-55-6	1,1,1-Trichloroethane	ND	4.0	ND	0.73
71-43-2	Benzene	ND	4.0	ND	1.3
56-23-5	Carbon Tetrachloride	ND	4.0	ND	0.64
78-87-5	1,2-Dichloropropane	ND	4.0	ND	0.87

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/19/98

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW29-23-01
PAI Sample ID : P9800285-005

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/18/98
Date Received : 2/19/98
Date Analyzed : 3/19/98
Volume(s) Analyzed : 0.250 (liters)

Pi 1 = 0.4
Pf 1 = 3.5
D.F. = 1.21

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	4.0	ND	0.60
79-01-6	Trichloroethene	ND	4.0	ND	0.74
10061-02-5	cis-1,3-Dichloropropene	ND	4.0	ND	0.88
108-10-1	4-Methyl-2-Pentanone	ND	4.0	ND	0.98
10061-02-6	trans-1,3-Dichloropropene	ND	4.0	ND	0.88
79-00-5	1,1,2-Trichloroethane	ND	4.0	ND	0.73
108-88-3	Toluene	30	4.0	7.8	1.1
591-78-6	2-Hexanone	ND	4.0	ND	0.98
124-48-1	Dibromochloromethane	ND	4.0	ND	0.47
106-93-4	1,2-Dibromoethane	ND	4.0	ND	0.52
127-18-4	Tetrachloroethene	45	4.0	6.7	0.59
108-90-7	Chlorobenzene	ND	4.0	ND	0.87
100-41-4	Ethylbenzene	3.0 TR	4.0	0.68 TR	0.92
1330-20-7	m- & p-Xylene	13	4.0	2.9	0.92
75-25-2	Bromoform	ND	4.0	ND	0.39
100-42-5	Styrene	ND	4.0	ND	0.94
95-47-6	o-Xylene	2.9 TR	4.0	0.66 TR	0.92
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.0	ND	0.58
541-73-1	1,3-Dichlorobenzene	ND	4.0	ND	0.67
106-46-7	1,4-Dichlorobenzene	ND	4.0	ND	0.67
95-50-1	1,2-Dichlorobenzene	ND	4.0	ND	0.67

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/19/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW29-35-01
PAI Sample ID : P9800285-006

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/18/98
Date Received : 2/19/98
Date Analyzed : 3/19/98
Volume(s) Analyzed : 0.250 (liters)

Pi 1 = 0.4
Pf 1 = 3.5
D.F. = 1.21

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	4.0	ND	1.9
75-01-4	Vinyl Chloride	ND	4.0	ND	1.6
74-83-9	Bromomethane	ND	4.0	ND	1.0
75-00-3	Chloroethane	ND	4.0	ND	1.5
67-64-1	Acetone	45	4.0	19	1.7
75-69-4	Trichlorofluoromethane	6.5	4.0	1.2	0.71
75-35-4	1,1-Dichloroethene	ND	4.0	ND	1.0
75-09-2	Methylene Chloride	ND	4.0	ND	1.2
76-13-1	Trichlorotrifluoroethane	110	4.0	15	0.52
75-15-0	Carbon Disulfide	ND	4.0	ND	1.3
156-60-5	trans-1,2-Dichloroethene	ND	4.0	ND	1.0
75-34-3	1,1-Dichloroethane	ND	4.0	ND	0.99
1634-04-4	Methyl tert-Butyl Ether	2.6 TR	4.0	0.71 TR	1.1
108-05-4	Vinyl Acetate	ND	4.0	ND	1.1
78-93-3	2-Butanone	2.5 TR	4.0	0.84 TR	1.4
156-59-2	cis-1,2-Dichloroethene	ND	4.0	ND	1.0
67-66-3	Chloroform	22	4.0	4.4	0.82
107-06-2	1,2-Dichloroethane	ND	4.0	ND	0.99
71-55-6	1,1,1-Trichloroethane	3.5 TR	4.0	0.65 TR	0.73
71-43-2	Benzene	ND	4.0	ND	1.3
56-23-5	Carbon Tetrachloride	ND	4.0	ND	0.64
78-87-5	1,2-Dichloropropane	ND	4.0	ND	0.87

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/19/98

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW29-35-01
PAI Sample ID : P9800285-006

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/18/98
Date Received : 2/19/98
Date Analyzed : 3/19/98
Volume(s) Analyzed : 0.250 (liters)

Pi 1 = 0.4
Pf 1 = 3.5
D.F. = 1.21

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	4.0	ND	0.60
79-01-6	Trichloroethene	3.0 TR	4.0	0.57 TR	0.74
10061-02-5	cis-1,3-Dichloropropene	ND	4.0	ND	0.88
108-10-1	4-Methyl-2-Pentanone	ND	4.0	ND	0.98
10061-02-6	trans-1,3-Dichloropropene	ND	4.0	ND	0.88
79-00-5	1,1,2-Trichloroethane	ND	4.0	ND	0.73
108-88-3	Toluene	34	4.0	9.0	1.1
591-78-6	2-Hexanone	ND	4.0	ND	0.98
124-48-1	Dibromochloromethane	ND	4.0	ND	0.47
106-93-4	1,2-Dibromoethane	ND	4.0	ND	0.52
127-18-4	Tetrachloroethene	89	4.0	13	0.59
108-90-7	Chlorobenzene	ND	4.0	ND	0.87
100-41-4	Ethylbenzene	ND	4.0	ND	0.92
1330-20-7	m- & p-Xylene	7.7	4.0	1.8	0.92
75-25-2	Bromoform	ND	4.0	ND	0.39
100-42-5	Styrene	ND	4.0	ND	0.94
95-47-6	o-Xylene	ND	4.0	ND	0.92
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.0	ND	0.58
541-73-1	1,3-Dichlorobenzene	ND	4.0	ND	0.67
106-46-7	1,4-Dichlorobenzene	ND	4.0	ND	0.67
95-50-1	1,2-Dichlorobenzene	ND	4.0	ND	0.67

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RCS **Date:** 3/19/98

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 3/18/98
Volume(s) Analyzed : 1.000 (liters)

Pi 1 = N/A
Pf 1 = N/A
D.F. = 1.00

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	ND	1.0	ND	0.42
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene Chloride	ND	1.0	ND	0.29
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	ND	1.0	ND	0.34
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
67-66-3	Chloroform	ND	1.0	ND	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18
71-43-2	Benzene	ND	1.0	ND	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/19/98

20954 Osborne Street, Canoga Park, CA 91304 - Phone 818 709-1139 - Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 3/18/98
Volume(s) Analyzed : 1.000 (liters)

Pi 1 = N/A
Pf 1 = N/A
D.F. = 1.00

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-02-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-Pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	ND	1.0	ND	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	ND	1.0	ND	0.23
1330-20-7	m- & p-Xylene	ND	1.0	ND	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.23
95-47-6	o-Xylene	ND	1.0	ND	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/19/98

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW30-07-01
PAI Sample ID : P9800285-007

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/18/98
Date Received : 2/19/98
Date Analyzed : 3/19/98
Volume(s) Analyzed : 0.250 (liters)
0.025 (liters)

Pi 1 = 0.4
Pf 1 = 3.5
D.F. = 1.21

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	4.0	ND	1.9
75-01-4	Vinyl Chloride	ND	4.0	ND	1.6
74-83-9	Bromomethane	ND	4.0	ND	1.0
75-00-3	Chloroethane	ND	4.0	ND	1.5
67-64-1	Acetone	6.5	4.0	2.8	1.7
75-69-4	Trichlorofluoromethane	ND	4.0	ND	0.71
75-35-4	1,1-Dichloroethene	2.7 TR	4.0	0.67 TR	1.0
75-09-2	Methylene Chloride	ND	4.0	ND	1.2
76-13-1	Trichlorotrifluoroethane	ND	4.0	ND	0.52
75-15-0	Carbon Disulfide	20	4.0	6.3	1.3
156-60-5	trans-1,2-Dichloroethene	ND	4.0	ND	1.0
75-34-3	1,1-Dichloroethane	2.9 TR	4.0	0.71 TR	0.99
1634-04-4	Methyl tert-Butyl Ether	8.3	4.0	2.3	1.1
108-05-4	Vinyl Acetate	ND	4.0	ND	1.1
78-93-3	2-Butanone	ND	4.0	ND	1.4
156-59-2	cis-1,2-Dichloroethene	ND	4.0	ND	1.0
67-66-3	Chloroform	7.1	4.0	1.4	0.82
107-06-2	1,2-Dichloroethane	ND	4.0	ND	0.99
71-55-6	1,1,1-Trichloroethane	3,200	4.0	590	0.73
71-43-2	Benzene	ND	4.0	ND	1.3
56-23-5	Carbon Tetrachloride	ND	4.0	ND	0.64
78-87-5	1,2-Dichloropropane	ND	4.0	ND	0.87

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/19/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW30-07-01
PAI Sample ID : P9800285-007

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/18/98
Date Received : 2/19/98
Date Analyzed : 3/19/98
Volume(s) Analyzed : 0.250 (liters)
0.025 (liters)

Pi 1 = 0.4
Pf 1 = 3.5
D.F. = 1.21

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	10	4.0	1.6	0.60
79-01-6	Trichloroethene	3.7 TR	4.0	0.69 TR	0.74
10061-02-5	cis-1,3-Dichloropropene	ND	4.0	ND	0.88
108-10-1	4-Methyl-2-Pentanone	ND	4.0	ND	0.98
10061-02-6	trans-1,3-Dichloropropene	ND	4.0	ND	0.88
79-00-5	1,1,2-Trichloroethane	ND	4.0	ND	0.73
108-88-3	Toluene	9.2	4.0	2.4	1.1
591-78-6	2-Hexanone	ND	4.0	ND	0.98
124-48-1	Dibromochloromethane	21	4.0	2.4	0.47
106-93-4	1,2-Dibromoethane	ND	4.0	ND	0.52
127-18-4	Tetrachloroethene	12	4.0	1.7	0.59
108-90-7	Chlorobenzene	ND	4.0	ND	0.87
100-41-4	Ethylbenzene	ND	4.0	ND	0.92
1330-20-7	m- & p-Xylene	6.9	4.0	1.6	0.92
75-25-2	Bromoform	15	4.0	1.4	0.39
100-42-5	Styrene	ND	4.0	ND	0.94
95-47-6	o-Xylene	ND	4.0	ND	0.92
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.0	ND	0.58
541-73-1	1,3-Dichlorobenzene	ND	4.0	ND	0.67
106-46-7	1,4-Dichlorobenzene	ND	4.0	ND	0.67
95-50-1	1,2-Dichlorobenzene	ND	4.0	ND	0.67

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/19/98

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW30-23-01
PAI Sample ID : P9800285-008

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/18/98
Date Received : 2/19/98
Date Analyzed : 3/19/98
Volume(s) Analyzed : 0.100 (liters)

PI 1 = 0.2
Pf 1 = 3.5 **D.F. = 1.22**

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	10	ND	4.8
75-01-4	Vinyl Chloride	ND	10	ND	3.9
74-83-9	Bromomethane	ND	10	ND	2.6
75-00-3	Chloroethane	ND	10	ND	3.8
67-64-1	Acetone	ND	10	ND	4.2
75-69-4	Trichlorofluoromethane	ND	10	ND	1.8
75-35-4	1,1-Dichloroethene	11	10	2.8	2.5
75-09-2	Methylene Chloride	ND	10	ND	2.9
76-13-1	Trichlorotrifluoroethane	ND	10	ND	1.3
75-15-0	Carbon Disulfide	ND	10	ND	3.2
156-60-5	trans-1,2-Dichloroethene	22	10	5.5	2.5
75-34-3	1,1-Dichloroethane	ND	10	ND	2.5
1634-04-4	Methyl tert-Butyl Ether	ND	10	ND	2.8
108-05-4	Vinyl Acetate	ND	10	ND	2.8
78-93-3	2-Butanone	ND	10	ND	3.4
156-59-2	cis-1,2-Dichloroethene	27	10	6.9	2.5
67-66-3	Chloroform	ND	10	ND	2.0
107-06-2	1,2-Dichloroethane	ND	10	ND	2.5
71-55-6	1,1,1-Trichloroethane	53	10	9.8	1.8
71-43-2	Benzene	ND	10	ND	3.1
56-23-5	Carbon Tetrachloride	ND	10	ND	1.6
78-87-5	1,2-Dichloropropane	ND	10	ND	2.2

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/19/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW30-23-01
PAI Sample ID : P9800285-008

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/18/98
Date Received : 2/19/98
Date Analyzed : 3/19/98
Volume(s) Analyzed : 0.100 (liters)

Pi 1 = 0.2
Pf 1 = 3.5
D.F. = 1.22

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	10	ND	1.5
79-01-6	Trichloroethene	170	10	32	1.9
10061-02-5	cis-1,3-Dichloropropene	ND	10	ND	2.2
108-10-1	4-Methyl-2-Pentanone	ND	10	ND	2.4
10061-02-6	trans-1,3-Dichloropropene	ND	10	ND	2.2
79-00-5	1,1,2-Trichloroethane	ND	10	ND	1.8
108-88-3	Toluene	10	10	2.7	2.7
591-78-6	2-Hexanone	ND	10	ND	2.4
124-48-1	Dibromochloromethane	ND	10	ND	1.2
106-93-4	1,2-Dibromoethane	ND	10	ND	1.3
127-18-4	Tetrachloroethene	220	10	32	1.5
108-90-7	Chlorobenzene	ND	10	ND	2.2
100-41-4	Ethylbenzene	ND	10	ND	2.3
1330-20-7	m- & p-Xylene	9.2 TR	10	2.1 TR	2.3
75-25-2	Bromoform	ND	10	ND	0.97
100-42-5	Styrene	ND	10	ND	2.3
95-47-6	o-Xylene	ND	10	ND	2.3
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	ND	1.5
541-73-1	1,3-Dichlorobenzene	ND	10	ND	1.7
106-46-7	1,4-Dichlorobenzene	ND	10	ND	1.7
95-50-1	1,2-Dichlorobenzene	ND	10	ND	1.7

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/19/98

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW30-23-01
PAI Sample ID : P9800285-008 (Laboratory Duplicate)

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/18/98
Date Received : 2/19/98
Date Analyzed : 3/19/98
Volume(s) Analyzed : 0.100 (liters)

Pi 1 = 0.2
Pf 1 = 3.5
D.F. = 1.22

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	10	ND	4.8
75-01-4	Vinyl Chloride	ND	10	ND	3.9
74-83-9	Bromomethane	ND	10	ND	2.6
75-00-3	Chloroethane	ND	10	ND	3.8
67-64-1	Acetone	ND	10	ND	4.2
75-69-4	Trichlorofluoromethane	ND	10	ND	1.8
75-35-4	1,1-Dichloroethene	11	10	2.8	2.5
75-09-2	Methylene Chloride	ND	10	ND	2.9
76-13-1	Trichlorotrifluoroethane	ND	10	ND	1.3
75-15-0	Carbon Disulfide	ND	10	ND	3.2
156-60-5	trans-1,2-Dichloroethene	21	10	5.4	2.5
75-34-3	1,1-Dichloroethane	ND	10	ND	2.5
1634-04-4	Methyl tert-Butyl Ether	ND	10	ND	2.8
108-05-4	Vinyl Acetate	ND	10	ND	2.8
78-93-3	2-Butanone	ND	10	ND	3.4
156-59-2	cis-1,2-Dichloroethene	26	10	6.6	2.5
67-66-3	Chloroform	ND	10	ND	2.0
107-06-2	1,2-Dichloroethane	ND	10	ND	2.5
71-55-6	1,1,1-Trichloroethane	51	10	9.3	1.8
71-43-2	Benzene	ND	10	ND	3.1
56-23-5	Carbon Tetrachloride	ND	10	ND	1.6
78-87-5	1,2-Dichloropropane	ND	10	ND	2.2

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/19/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW30-23-01
PAI Sample ID : P9800285-008 (Laboratory Duplicate)

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/18/98
Date Received : 2/19/98
Date Analyzed : 3/19/98
Volume(s) Analyzed : 0.100 (liters)

Pi 1 = 0.2
Pf 1 = 3.5
D.F. = 1.22

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	10	ND	1.5
79-01-6	Trichloroethene	170	10	31	1.9
10061-02-5	cis-1,3-Dichloropropene	ND	10	ND	2.2
108-10-1	4-Methyl-2-Pentanone	ND	10	ND	2.4
10061-02-6	trans-1,3-Dichloropropene	ND	10	ND	2.2
79-00-5	1,1,2-Trichloroethane	ND	10	ND	1.8
108-88-3	Toluene	11	10	2.8	2.7
591-78-6	2-Hexanone	ND	10	ND	2.4
124-48-1	Dibromochloromethane	ND	10	ND	1.2
106-93-4	1,2-Dibromoethane	ND	10	ND	1.3
127-18-4	Tetrachloroethene	210	10	32	1.5
108-90-7	Chlorobenzene	ND	10	ND	2.2
100-41-4	Ethylbenzene	ND	10	ND	2.3
1330-20-7	m- & p-Xylene	9.2 TR	10	2.1 TR	2.3
75-25-2	Bromoform	ND	10	ND	0.97
100-42-5	Styrene	ND	10	ND	2.3
95-47-6	o-Xylene	ND	10	ND	2.3
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	ND	1.5
541-73-1	1,3-Dichlorobenzene	ND	10	ND	1.7
106-46-7	1,4-Dichlorobenzene	ND	10	ND	1.7
95-50-1	1,2-Dichlorobenzene	ND	10	ND	1.7

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RCS **Date:** 3/19/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW30-35-01
PAI Sample ID : P9800285-009

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/18/98
Date Received : 2/19/98
Date Analyzed : 3/19/98
Volume(s) Analyzed : 0.100 (liters)

Pi 1 = 0.0
Pf 1 = 3.5
D.F. = 1.24

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	10	ND	4.8
75-01-4	Vinyl Chloride	14	10	5.5	3.9
74-83-9	Bromomethane	ND	10	ND	2.6
75-00-3	Chloroethane	ND	10	ND	3.8
67-64-1	Acetone	ND	10	ND	4.2
75-69-4	Trichlorofluoromethane	ND	10	ND	1.8
75-35-4	1,1-Dichloroethene	17	10	4.3	2.5
75-09-2	Methylene Chloride	ND	10	ND	2.9
76-13-1	Trichlorotrifluoroethane	ND	10	ND	1.3
75-15-0	Carbon Disulfide	ND	10	ND	3.2
156-60-5	trans-1,2-Dichloroethene	100	10	26	2.5
75-34-3	1,1-Dichloroethane	ND	10	ND	2.5
1634-04-4	Methyl tert-Butyl Ether	ND	10	ND	2.8
108-05-4	Vinyl Acetate	ND	10	ND	2.8
78-93-3	2-Butanone	ND	10	ND	3.4
156-59-2	cis-1,2-Dichloroethene	140	10	34	2.5
67-66-3	Chloroform	ND	10	ND	2.0
107-06-2	1,2-Dichloroethane	ND	10	ND	2.5
71-55-6	1,1,1-Trichloroethane	27	10	4.9	1.8
71-43-2	Benzene	ND	10	ND	3.1
56-23-5	Carbon Tetrachloride	ND	10	ND	1.6
78-87-5	1,2-Dichloropropane	ND	10	ND	2.2

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/19/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VW30-35-01
PAI Sample ID : P9800285-009

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : 2/18/98
Date Received : 2/19/98
Date Analyzed : 3/19/98
Volume(s) Analyzed : 0.100 (liters)

Pi 1 = 0.0
Pf 1 = 3.5
D.F. = 1.24

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	10	ND	1.5
79-01-6	Trichloroethene	410	10	76	1.9
10061-02-5	cis-1,3-Dichloropropene	ND	10	ND	2.2
108-10-1	4-Methyl-2-Pentanone	ND	10	ND	2.4
10061-02-6	trans-1,3-Dichloropropene	ND	10	ND	2.2
79-00-5	1,1,2-Trichloroethane	ND	10	ND	1.8
108-88-3	Toluene	15	10	4.0	2.7
591-78-6	2-Hexanone	ND	10	ND	2.4
124-48-1	Dibromochloromethane	ND	10	ND	1.2
106-93-4	1,2-Dibromoethane	ND	10	ND	1.3
127-18-4	Tetrachloroethene	310	10	46	1.5
108-90-7	Chlorobenzene	ND	10	ND	2.2
100-41-4	Ethylbenzene	ND	10	ND	2.3
1330-20-7	m- & p-Xylene	9.9 TR	10	2.3 TR	2.3
75-25-2	Bromoform	ND	10	ND	0.97
100-42-5	Styrene	ND	10	ND	2.3
95-47-6	o-Xylene	ND	10	ND	2.3
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	ND	1.5
541-73-1	1,3-Dichlorobenzene	ND	10	ND	1.7
106-46-7	1,4-Dichlorobenzene	ND	10	ND	1.7
95-50-1	1,2-Dichlorobenzene	ND	10	ND	1.7

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/19/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 3/19/98
Volume(s) Analyzed : 1.000 (liters)

Pi 1 = N/A
Pf 1 = N/A
D.F. = 1.00

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	ND	1.0	ND	0.42
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene Chloride	ND	1.0	ND	0.29
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	ND	1.0	ND	0.34
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
67-66-3	Chloroform	ND	1.0	ND	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18
71-43-2	Benzene	ND	1.0	ND	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/19/98

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA TO-14
Analyst : Chris Parnell
Instrument : Tekmar AutoCan/HP 5973 MSD
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 3/19/98
Volume(s) Analyzed : 1.000 (liters)

Pi 1 = N/A
Pf 1 = N/A
D.F. = 1.00

CAS #	COMPOUND	RESULT ug/m³	REPORTING LIMIT ug/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-02-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-Pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	ND	1.0	ND	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	ND	1.0	ND	0.23
1330-20-7	m- & p-Xylene	ND	1.0	ND	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.23
95-47-6	o-Xylene	ND	1.0	ND	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

ND = Not Detected **TR = Below Indicated Reporting Limit**

Verified By: RG **Date:** 3/19/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VWBKGRND
PAI Sample ID : P9800233-001

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/12/98
Date Analyzed : 2/24/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = -0.2 Pf 1 = 3.5
D.F. = 1.26

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	2.2	0.50
	Total Non-Methane Organics (as Methane)	1.6	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VWBKGRND
PAI Sample ID : P9800233-001 Laboratory Duplicate

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/12/98
Date Analyzed : 2/24/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = -0.2 Pf 1 = 3.5
D.F. = 1.26

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	2.2	0.50
	Total Non-Methane Organics (as Methane)	1.8	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VWFB44-30-01
PAI Sample ID : P9800233-010

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/12/98
Date Analyzed : 2/24/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = 4.1 Pf 1 = 4.1

D.F. = 1.00

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	0.90	0.50
	Total Non-Methane Organics (as Methane)	1.5	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VWFB44-30-01
PAI Sample ID : P9800233-010

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/12/98
Date Analyzed : 3/12/98
Volume(s) Analyzed : 1.000 Liter(s)

Pi 1 = 4.1
Pf 1 = 4.1

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.49
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
75-00-3	Chloroethane	ND	1.0	ND	0.38
74-83-9	Bromomethane	ND	1.0	ND	0.26
67-64-1	Acetone	ND	1.0	ND	0.42
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	ND	1.0	ND	0.29
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	ND	1.0	ND	0.34
67-66-3	Chloroform	ND	1.0	ND	0.21
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.19
71-43-2	Benzene	ND	1.0	ND	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-VWFB44-30-01
PAI Sample ID : P9800233-010

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/10/98
Date Received : 2/12/98
Date Analyzed : 3/12/98
Volume(s) Analyzed : 1.000 Liter(s)

Pi 1 = 4.1
Pf 1 = 4.1

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	3.9	1.0	0.74	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.19
108-88-3	Toluene	ND	1.0	ND	0.27
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
591-78-6	2-Hexanone	ND	1.0	ND	0.24
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	0.54 TR	1.0	0.08 TR	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	ND	1.0	ND	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.24
1330-20-7	m,p-Xylenes	ND	1.0	ND	0.23
95-47-6	o-Xylene	ND	1.0	ND	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : N/A
PAI Sample ID : PAI Method Blank

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 2/24/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = 0.0 Pf 1 = 0.0

D.F. = 1.00

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	ND	0.50
	Total Non-Methane Organics (as Methane)	ND	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RC

Date : 3/7/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 03/16/98
Volume(s) Analyzed : 1.000 Liter(s)

Pi 1 = 0.0
Pf 1 = 0.0

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.49
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
75-00-3	Chloroethane	ND	1.0	ND	0.38
74-83-9	Bromomethane	ND	1.0	ND	0.26
67-64-1	Acetone	ND	1.0	ND	0.42
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	ND	1.0	ND	0.29
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	ND	1.0	ND	0.34
67-66-3	Chloroform	ND	1.0	ND	0.21
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.19
71-43-2	Benzene	ND	1.0	ND	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 3/16/98
Volume(s) Analyzed : 1.000 Liter(s)

Pi 1 = 0.0
Pf 1 = 0.0

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.19
108-88-3	Toluene	ND	1.0	ND	0.27
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
591-78-6	2-Hexanone	ND	1.0	ND	0.24
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	ND	1.0	ND	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.24
1330-20-7	m,p-Xylenes	ND	1.0	ND	0.23
95-47-6	o-Xylene	ND	1.0	ND	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 03/12/98
Volume(s) Analyzed : 1.000 Liter(s)

Pi 1 = 0.0
Pf 1 = 0.0

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.49
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
75-00-3	Chloroethane	ND	1.0	ND	0.38
74-83-9	Bromomethane	ND	1.0	ND	0.26
67-64-1	Acetone	ND	1.0	ND	0.42
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	ND	1.0	ND	0.29
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	ND	1.0	ND	0.34
67-66-3	Chloroform	ND	1.0	ND	0.21
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.19
71-43-2	Benzene	ND	1.0	ND	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RCS

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 3/12/98
Volume(s) Analyzed : 1.000 Liter(s)

Pi 1 = 0.0
Pf 1 = 0.0

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.19
108-88-3	Toluene	ND	1.0	ND	0.27
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
591-78-6	2-Hexanone	ND	1.0	ND	0.24
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	ND	1.0	ND	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.24
1330-20-7	m,p-Xylenes	ND	1.0	ND	0.23
95-47-6	o-Xylene	ND	1.0	ND	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 03/09/98
Volume(s) Analyzed : 1.000 Liter(s)

Pi 1 = 0.0
Pf 1 = 0.0

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.49
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
75-00-3	Chloroethane	ND	1.0	ND	0.38
74-83-9	Bromomethane	ND	1.0	ND	0.26
67-64-1	Acetone	ND	1.0	ND	0.42
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	ND	1.0	ND	0.29
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	ND	1.0	ND	0.34
67-66-3	Chloroform	ND	1.0	ND	0.21
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.19
71-43-2	Benzene	ND	1.0	ND	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 3/9/98
Volume(s) Analyzed : 1.000 Liter(s)

Pi 1 = 0.0
Pf 1 = 0.0

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.19
108-88-3	Toluene	ND	1.0	ND	0.27
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
591-78-6	2-Hexanone	ND	1.0	ND	0.24
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	ND	1.0	ND	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.24
1330-20-7	m,p-Xylenes	ND	1.0	ND	0.23
95-47-6	o-Xylene	ND	1.0	ND	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/17/98

Ship To: ~~Sample~~ VOC Analytical
Attn: Sample Control
801 Western
Glendale

Page 1 of 1
Project Name: WDI
Project No.: 94-256
Site Location: Santa Fe Springs CA
Date: 2/18/98

CHAIN OF CUSTODY RECORD

P9800285

G9802354

Boring/Well No.	Sample No.	Depth	Date	Time	Sample Type: Water	Sample Type: Solid	Sample Type: Other	Comp.	Grab.	Sample Containers: Vol.	Sample Containers: No.	Sample Containers: Type	Sample Containers: Pres.	Analysis: TO-15	Analysis: Methane	Analysis: NMHC					Remarks
WDI-VW	34-10-01		2/18/98	0854			Air			6L	1	Some	–	X	X	X					-001 556
↓	[illegible]-34-23-01		↓	0900			↓			↓	1	↓		X	X	X					-002 238
↓	34-40-01		↓	0905			↓			↓	1	↓		X	X	X					-003 584
WDI-VW	29-10-01		↓	1025			↓			↓	1	↓		X	X	X					-004 220
↓	29-23-01		↓	1030			↓			↓	1	↓		X	X	X					-005 544
↓	29-35-01		↓	1035			↓			↓	1	↓		X	X	X					-006 554
WDI-VW	30-07-01		↓	1133			↓			↓	1	↓		X	X	X					-007 104
↓	30-23-01		↓	1139			↓			↓	1	↓		X	X	X					-008 100
↓	30-35-01		↓	1145			↓			↓	1	↓		X	X	X					-009 522

Total Number of Samples Shipped: Shipper's Signature: Glenn Andrusko

	Signature	Company	Date	Time
Relinquished by:	Glenn Andrusko	TRC	2/18/98	1210
Received by:	A. Malkijan	ARCA	2/18/98	1110
Relinquished by:	A. Malkijan	ARCA	2/18-98	2:35
Received by:	R. Tagholski	VOC	2-18-98	2:35
Relinquished by:				
Received by:	Shannon Center	PAI	2/19/98	11:48

Special Instructions / Shipment / Handling/ Storage Requirements:

Send results attn Roberto Pagan

The material(s) listed are received for analysis and/or treatability evaluation and remain the property of the client and not Environmental Solutions, Inc. At the conclusion of the test work, all remaining material(s) will be returned to the client for eventual disposal at a licensed facility.

☒ ENVIRONMENTAL SOLUTIONS, INC.
21 Technology Drive
Irvine, California 92718

☐ ENVIRONMENTAL SOLUTIONS, INC.
1172 Pelican Bay Drive
Daytona Beach, Florida 32119

☐ ENVIRONMENTAL SOLUTIONS, INC.
1201 N. McDowell Boulevard
Petaluma, California 94954

☐ ENVIRONMENTAL SOLUTIONS, INC.
2815 Mitchell Drive, Suite 103
Walnut Creek, California 94598

ATTACHMENT A.3

RESERVOIR LIQUIDS

TRC

ANALYTICAL REPORT

LOG NO: G97-10-363

Received: 16 OCT 97

Mailed:

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, VAPOR SAMPLES	DATE SAMPLED
10-363-1	WDI-VW-09	16 OCT 97

PARAMETER	10-363-1				
Methane TO-14					

VOC Analytical Laboratories, Inc.
801 Western Avenue, Glendale, CA 91201 - Phone: (818) 247-5737 - Fax: (818) 247-9797

LOG NO: G97-10-363

Received: 16 OCT 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
10-363-2	WDI-VW-09	16 OCT 97
10-363-3	WDI-VW-09-2	16 OCT 97

PARAMETER	10-363-2	10-363-3
Digestion (3010), Date	10/21/97	10/21/97
Furnace Digestion (3020), Date	10/21/97	10/21/97
Arsenic (7060), mg/L	0.19	0.16
Antimony (6010), mg/L	<0.1	<0.1
Barium (6010), mg/L	0.41	0.16
Beryllium (6010), mg/L	<0.001	<0.001
Cadmium (6010), mg/L	<0.005	<0.005
Chromium (6010), mg/L	0.011	<0.01
Cobalt (6010), mg/L	<0.04	<0.04
Copper (6010), mg/L	0.030	<0.02
Lead (7421), mg/L	0.025	0.018
Mercury (7470), mg/L	<0.0002	<0.0002
Molybdenum (6010), mg/L	0.54	0.43
Nickel (6010), mg/L	0.094	0.12
Selenium (7740), mg/L	<0.004	<0.004
Silver (6010), mg/L	<0.01	<0.01
Thallium (6010), mg/L	<0.07	<0.07
Vanadium (6010), mg/L	<0.04	<0.04
Zinc (6010), mg/L	0.030	0.016
Aluminum (6010), mg/L	4.3	2.1
Calcium (6010), mg/L	31	16
Iron (6010), mg/L	2.8	1.0

Performance Analytical Inc.
Air Quality Laboratory

LABORATORY REPORT

Client:	V.O.C. ANALYTICAL LABORATORIES	Date of Report:	11/07/97
Address:	801 Western Avenue	Date Received:	10/20/97
	Glendale, CA 91201	PAI Project No:	P9704133
Contact:	Mr. Roobik Yaghoubi	Purchase Order:	50046

One (1) Stainless Steel Summa Canister labeled: "G97-10-363-1"

The sample was received at the laboratory under chain of custody on October 20, 1997. The sample was received intact. The dates of analyses are indicated on the attached data sheets.

Methane Analysis

The sample was analyzed for Methane using a gas chromatograph equipped with a thermal conductivity detector.

Volatile Organic Compound Analysis

The sample was also analyzed by combined gas chromatography/mass spectrometry (GC/MS) for volatile organic compounds. The analyses were performed according to the methodology outlined in EPA Method TO-14 from the Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, EPA 600/4-84-041, U.S. Environmental Protection Agency, Research Triangle Park, NC, April, 1984 and May, 1988. The analyses were performed by gas chromatography/mass spectrometry, utilizing a direct cryogenic trapping technique. The analytical system used was comprised of a Hewlett Packard Model 5989 GC/MS/DS interfaced to an Entech 7000 automated whole air inlet system/ cryogenic concentrator. A 100% Dimethylpolysiloxane capillary column (RT_x-1, Restek Corporation, Bellefonte, PA) was used to achieve chromatographic separation.

The results of analyses are given on the attached data sheets.

Data Release Authorization:

Christopher Casteel
Manager of Technical Operations

Reviewed and Approved:

Michael Tuday
Laboratory Director

RESULTS OF METHANE ANALYSIS

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF METHANE ANALYSIS

Client: VOC Analytical

PAI Project ID: P9704133

Test Code: GC/TCD
Instrument ID: HP 5890A/TCD #1
Analyst: Wade Henton
Matrix: Summa Canister(s)

Date Sampled: 10/16/97
Date Received: 10/20/97
Date Analyzed: 10/28/97
Volume(s) Analyzed: 1.00 (ml)
0.10 (ml)

Client Sample ID	PAI Sample ID	D.F.	Methane (%, v/v) Result	Reporting Limit
G97-10-363-1	P9704133-001	1.24	38.2	0.200
G97-10-363-1	Lab Duplicate	1.24	38.1	0.200
N/A (10/28/97)	Method Blank	1.00	ND	0.0200

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : [signature]

Date : 11/3/97

20454 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1334 • Fax 818 709-2915

RAW DATA

PERFORMANCE ANALYTICAL INC.

REPORT SUMMARYS FIXED GASES BY GC/TCD
CLIENT : VOC Analytical
Analyst : WHH
PAI Job : P9704133

Printed : 11/7/97
Instrument : GC #1 / TCD #1
Date analyzed : 10/28/97
Sample amount : 100uL

Sample Result

Sample ID	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Methane	Carbon Dioxide	Pi1	Pf1	Pi2	Pf2
STD-500ul-10/28/97	41515	48750	48749	48687	38543	47186				
ACTUAL	39900	49900	49900	49900	39900	49900				
% DIFFER.	4.0%	2.3%	2.3%	2.4%	3.4%	5.4%				
MB										
LAB AIR		199441	722513			654				
4133-001-100uL		42305	411496		296471	25345	-0.4	3.0		
4133-001-100uLDP		42139	408360		293197	24932	-0.4	3.0		

STD-500uL-END	40887	48604	48783	48343	38195	46706				
ACTUAL	39900	49900	49900	49900	39900	49900				
% DIFFER.	2.5%	2.6%	2.2%	3.1%	4.3%	6.4%				

Sample Result ppm with the DILUTION FACTOR

Sample ID	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Methane	Carbon Dioxide	Total	D.F.
LAB AIR		199441	722513			554	92.3	1.00
4133-001-100uL		52364	509334		366960	31371	96.0	1.24
4133-001-100uLDP		52159	505452		362908	30860	95.1	1.24

Sample Result (Normalized)

Sample ID MDL ppm *	Hydrogen 200	Oxygen 300	Nitrogen 1000	Carbon Monoxide 200	Methane 200	Carbon Dioxide 200	Total
LAB AIR	ND	216149	783042	ND	ND	709	99.99
4133-001-100uL	ND	54538	530487	ND	382200	32674	99.99
4133-001-100uLDP	ND	54819	531231	ND	381417	32434	99.99

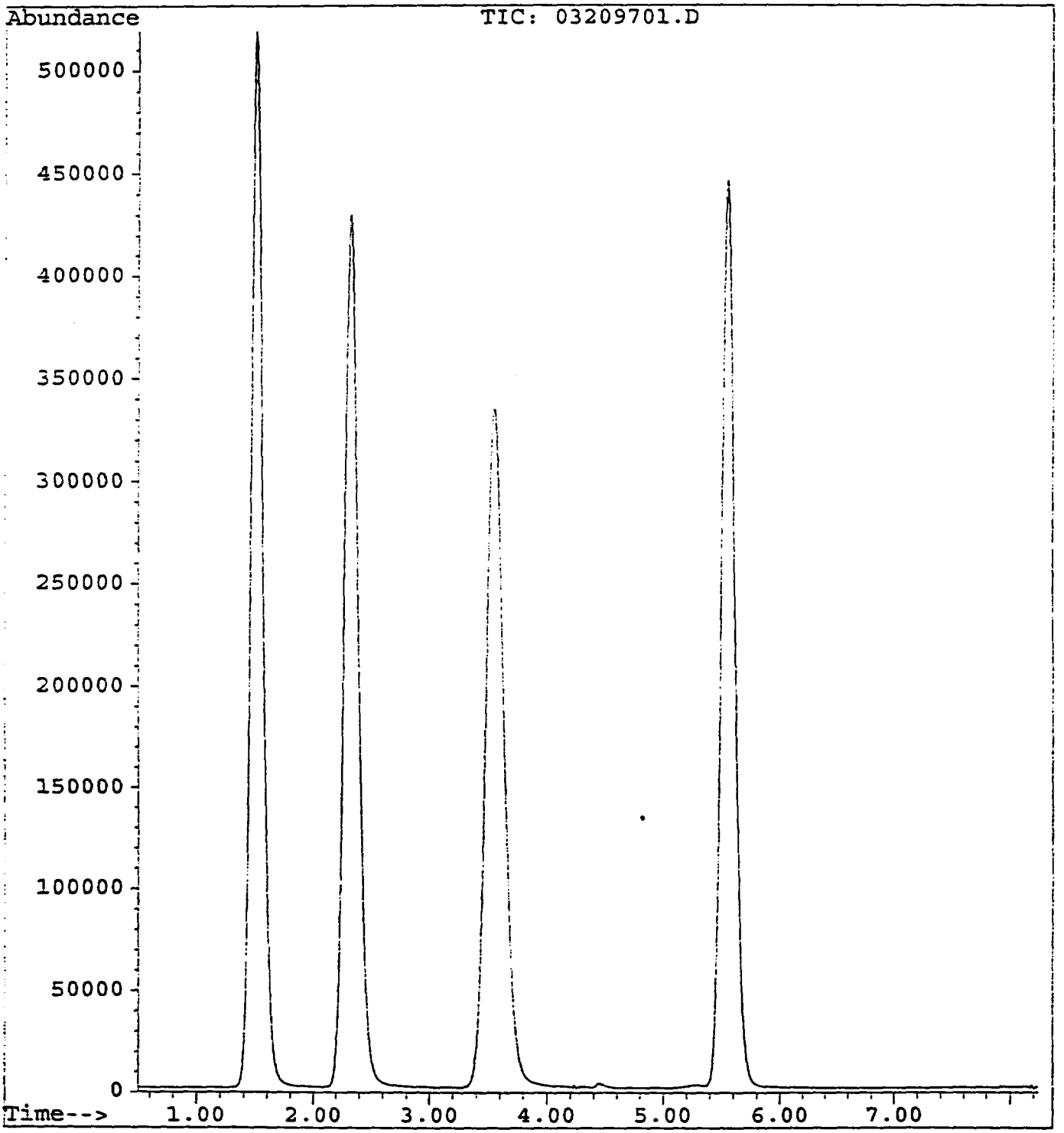
Response Factor Report GC#1

Method : H:\GC1\METHODS\25C.M
Title : EPA 25C TCA/FID Analysis for TGNMO
Last Update : Fri Apr 25 07:48:54 1997
Response via : Initial Calibration

Calibration Files
5000 =03209701.D 2500 =03209702.D 1000 =03209703.D
250 =03209704.D 50 =03209705.D 10 =03209706.D

	Compound	5000	2500	1000	250	50	10	Avg	%RS
1)	Carbon Monoxide	7.3	7.3	7.8	7.2	7.2	7.3	7.4 E3	3.7
2)	Methane	7.2	7.2	7.8	7.0	7.0	5.7	6.8 E3	11.4
3)	Carbon Dioxide	7.2	7.2	7.7	6.8	7.1	7.3	7.3 E3	6.1
4)	TGNMO-1	7.8	7.7	8.2	7.3	7.2	6.3	7.3 E3	8.6

File : H:\GC1\DATA\25C\STD\03209701.D
Operator :
Acquired : 20 Mar 97 07:37 AM using AcqMethod FIXEDGAS.MTH
Instrument : GC#1
Sample Name: STD 5000ppm 3/20/97
Misc Info :
Vial Number: 1



Quantitation Report

Data File : H:\GC1\DATA\25C\STD\03209701.D
Acq On : 20 Mar 97 07:37 AM
Sample : STD 5000ppm 3/20/97
Misc :
Quant Time: Mar 20 8:08 1997

Vial: 1
Operator:
Inst : GC#1
Multiplr: 1.00

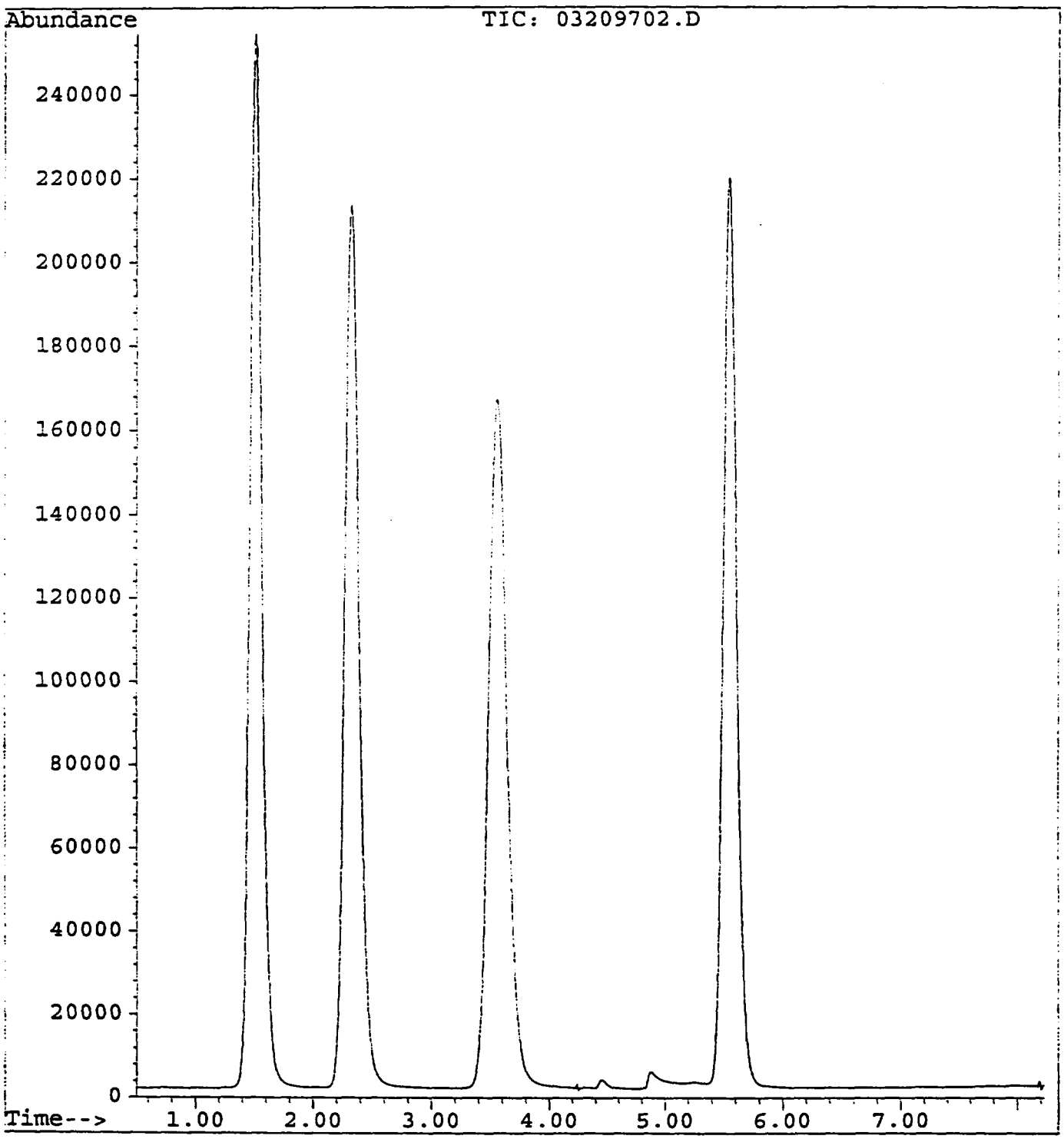
Method : H:\GC1\METHODS\25C.M
Title : EPA 25C TCA/FID Analysis for TGNMO
Last Update : Fri Apr 25 07:48:54 1997
Response via : Single Level Calibration

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
Target Compounds						
1)	Carbon Monoxide	1.51	36492566	NoCal	ppm	
2)	Methane	2.33	36194008	NoCal	ppm	
3)	Carbon Dioxide	3.56	35972145	NoCal	ppm	m
4)	TGNMO-1	5.55	35193561	NoCal	ppm	

(f)=RT Delta > 1/2 Window (m)=manual int.

File : H:\GC1\DATA\25C\STD\03209702.D
Operator :
Acquired : 20 Mar 97 07:59 AM using AcqMethod FIXEDGAS.MTH
Instrument : GC#1
Sample Name: STD 2500ppM 3/20/97
Misc Info :
Vial Number: 3



Quantitation Report

Data File : H:\GC1\DATA\25C\STD\03209702.D
Acq On : 20 Mar 97 07:59 AM
Sample : STD 2500ppM 3/20/97
Misc :
Quant Time: Mar 20 8:09 1997

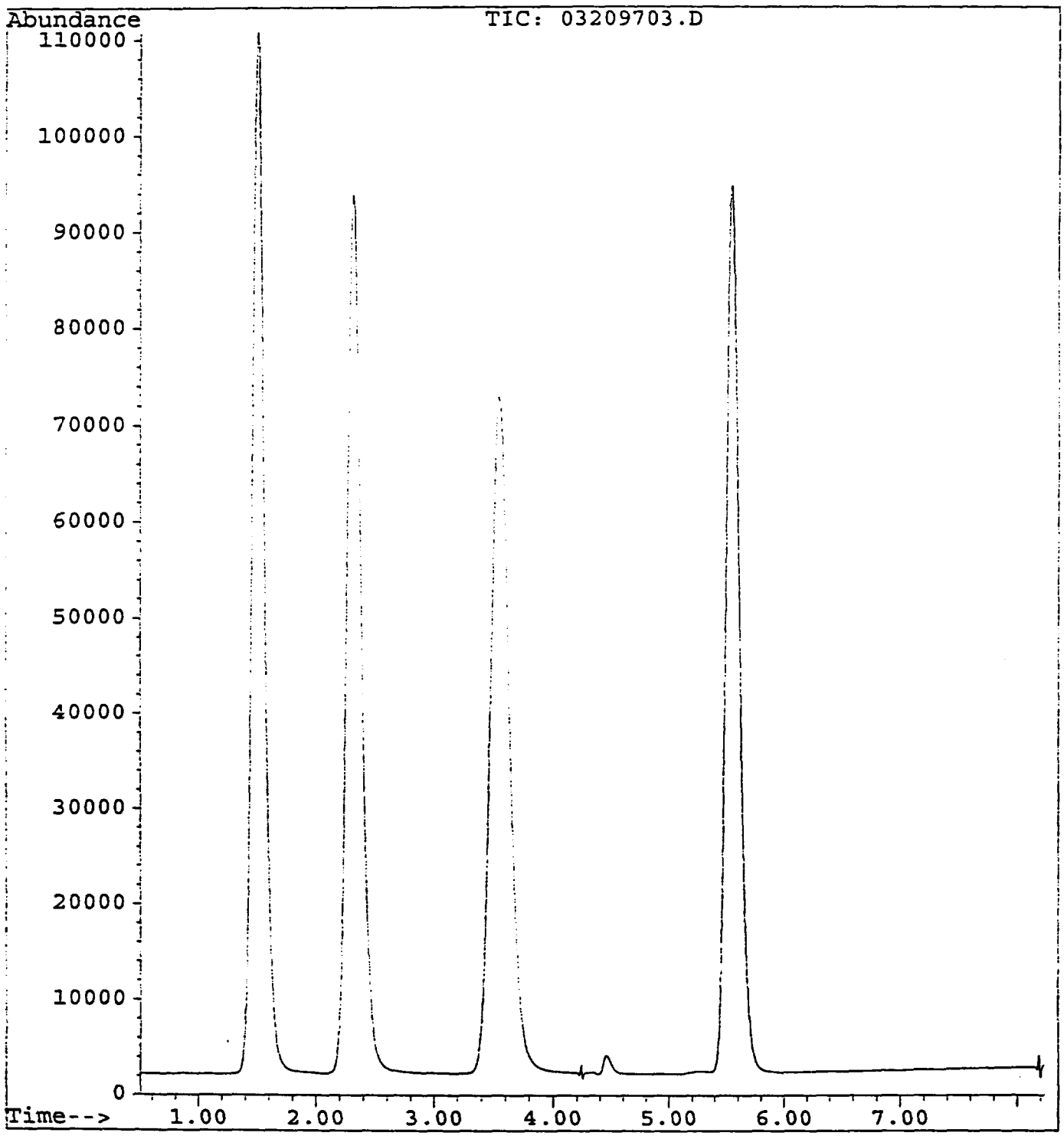
Vial: 3
Operator:
Inst : GC#1
Multiplr: 1.00

Method : H:\GC1\METHODS\25C.M
Title : EPA 25C TCA/FID Analysis for TGNMO
Last Update : Fri Apr 25 07:48:54 1997
Response via : Single Level Calibration

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
Target Compounds						
1)	Carbon Monoxide	1.51	18229378	2497.684	ppm	
2)	Methane	2.33	18010692	2488.076	ppm	
3)	Carbon Dioxide	3.56	17932834	2492.600	ppm	
4)	TGNMO-1	5.55	17260390	2452.209	ppm	m

File : H:\GC1\DATA\25C\STD\03209703.D
Operator :
Acquired : 20 Mar 97 08:14 AM using AcqMethod FIXEDGAS.MTH
Instrument : GC#1
Sample Name: STD 1000ppm 3/20/97
Misc Info :
Vial Number: 5



Quantitation Report

Data File : H:\GC1\DATA\25C\STD\03209703.D
Acq On : 20 Mar 97 08:14 AM
Sample : STD 1000ppm 3/20/97
Misc :
Quant Time: Mar 20 9:03 1997

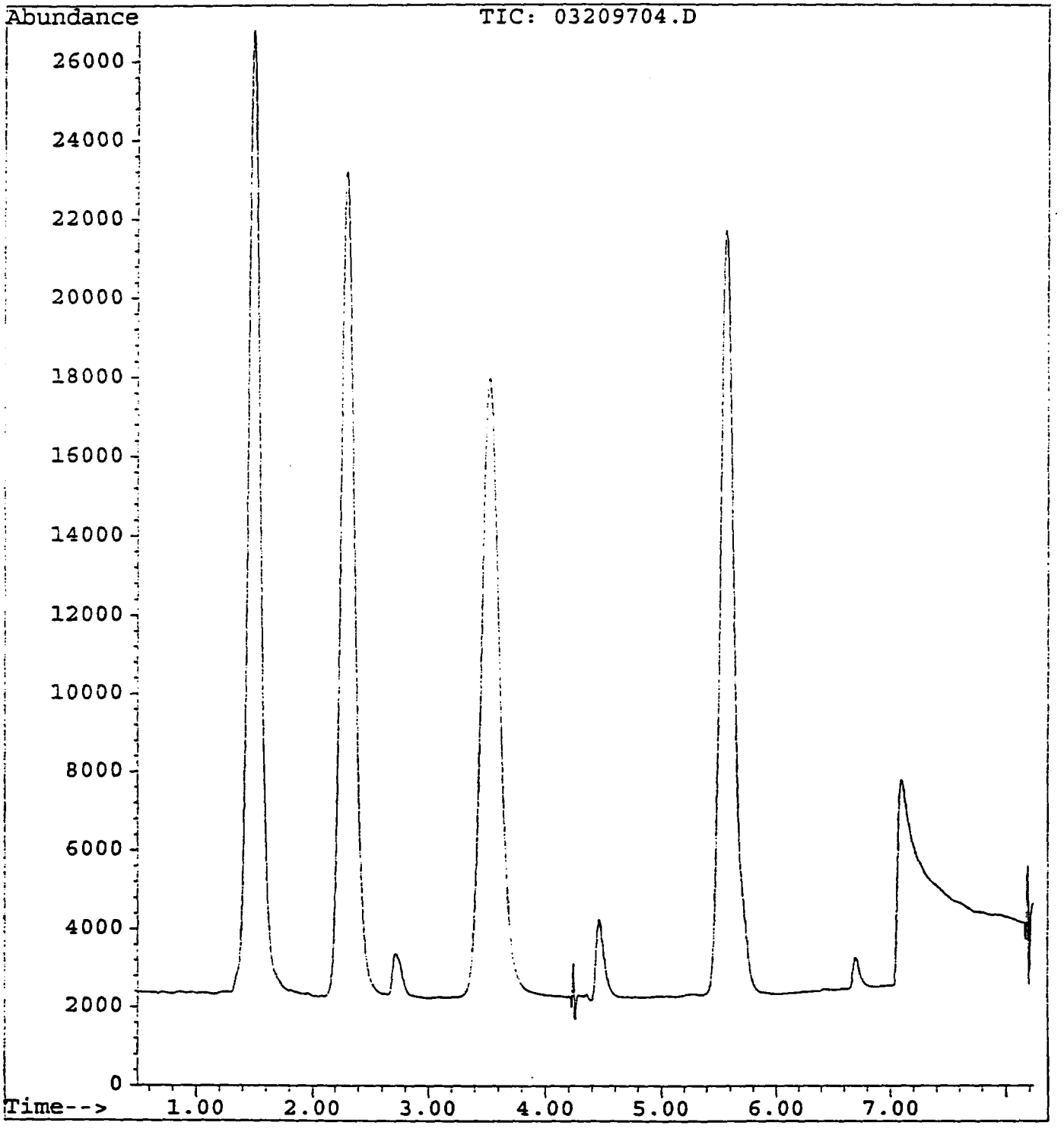
Vial: 5
Operator:
Inst : GC#1
Multiplr: 1.00

Method : H:\GC1\METHODS\25C.M
Title : EPA 25C TCA/FID Analysis for TGNMO
Last Update : Fri Apr 25 07:48:54 1997
Response via : Multiple Level Calibration

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc Units
Target Compounds				
1)	Carbon Monoxide	1.51	7825489	1072.700 ppm
2)	Methane	2.32	7758079	1074.297 ppm
3)	Carbon Dioxide	3.56	7707779	1072.942 ppm
4)	TGNMO-1	5.56	7411536	1063.129 ppm

File : H:\GC1\DATA\25C\STD\03209704.D
Operator :
Acquired : 20 Mar 97 08:30 AM using AcqMethod FIXEDGAS.MTH
Instrument : GC#1
Sample Name: STD 250ppm 3/20/97
Misc Info :
Vial Number: 6



Quantitation Report

Data File : H:\GC1\DATA\25C\STD\03209704.D
Acq On : 20 Mar 97 08:30 AM
Sample : STD 250ppm 3/20/97
Misc :
Quant Time: Mar 20 9:04 1997

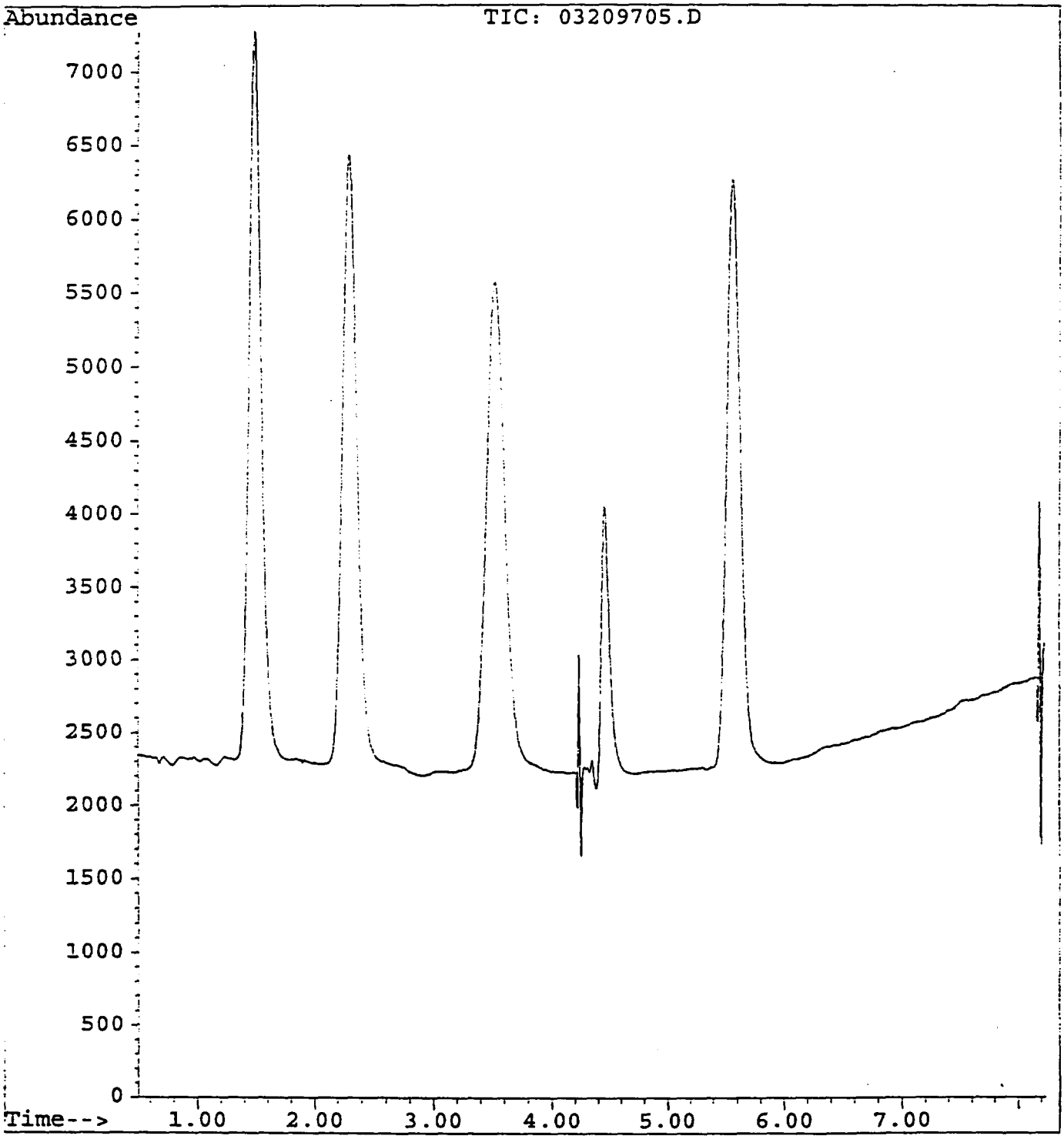
Vial: 6
Operator:
Inst : GC#1
Multiplr: 1.00

Method : H:\GC1\METHODS\25C.M
Title : EPA 25C TCA/FID Analysis for TGNMO
Last Update : Fri Apr 25 07:48:54 1997
Response via : Multiple Level Calibration

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc Units
Target Compounds				
1)	Carbon Monoxide	1.49	1801373	241.086 ppm
2)	Methane	2.30	1755728	237.248 ppm
3)	Carbon Dioxide	3.53	1693157	230.097 ppm
4)	TGNMO-1	5.57	1633288	229.455 ppm

File : H:\GC1\DATA\25C\STD\03209705.D
Operator :
Acquired : 20 Mar 97 08:44 AM using AcqMethod FIXEDGAS.MTH
Instrument : GC#1
Sample Name: STD 50ppm 3/20/97
Misc Info :
Vial Number: 7



Quantitation Report

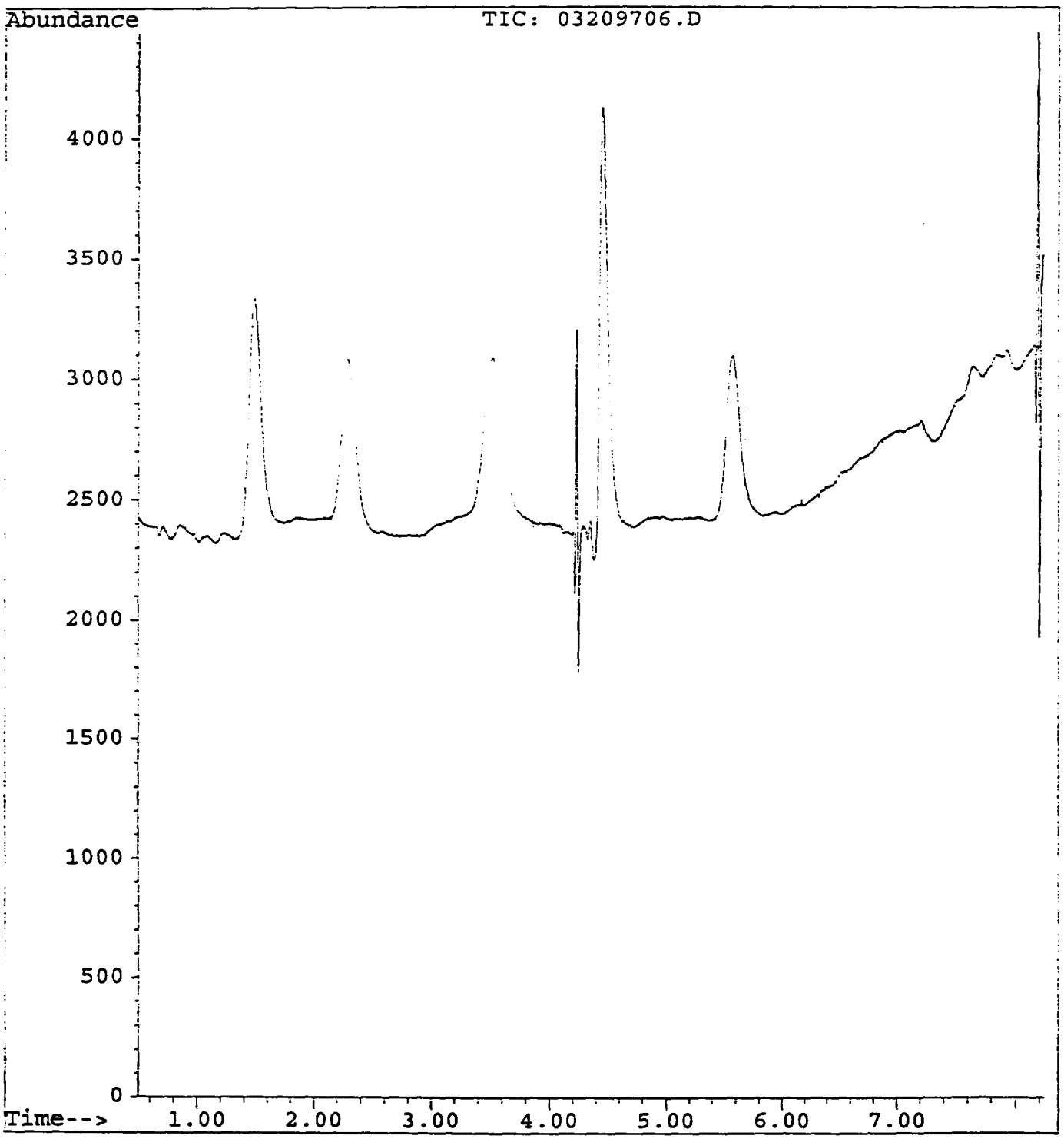
Data File : H:\GC1\DATA\25C\STD\03209705.D Vial: 7
Acq On : 20 Mar 97 08:44 AM Operator:
Sample : STD 50ppm 3/20/97 Inst : GC#1
Misc : Multiplr: 1.00
Quant Time: Mar 20 9:06 1997

Method : H:\GC1\METHODS\25C.M
Title : EPA 25C TCA/FID Analysis for TGNMO
Last Update : Fri Apr 25 07:48:54 1997
Response via : Multiple Level Calibration

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc Units
Target Compounds				
1)	Carbon Monoxide	1.49	362287	48.923 ppm
2)	Methane	2.30	349644	47.857 ppm
3)	Carbon Dioxide	3.53	356304	49.404 ppm
4)	TGNMO-1	5.58	323573	46.411 ppm

File : H:\GC1\DATA\25C\STD\03209706.D
Operator :
Acquired : 20 Mar 97 08:56 AM using AcqMethod FIXEDGAS.MTH
Instrument : GC#1
Sample Name: STD 10ppm 3/20/97
Misc Info :
Vial Number: 8



Quantitation Report

Data File : H:\GC1\DATA\25C\STD\03209706.D
Acq On : 20 Mar 97 08:56 AM
Sample : STD 10ppm 3/20/97
Misc :
Quant Time: Mar 20 9:08 1997

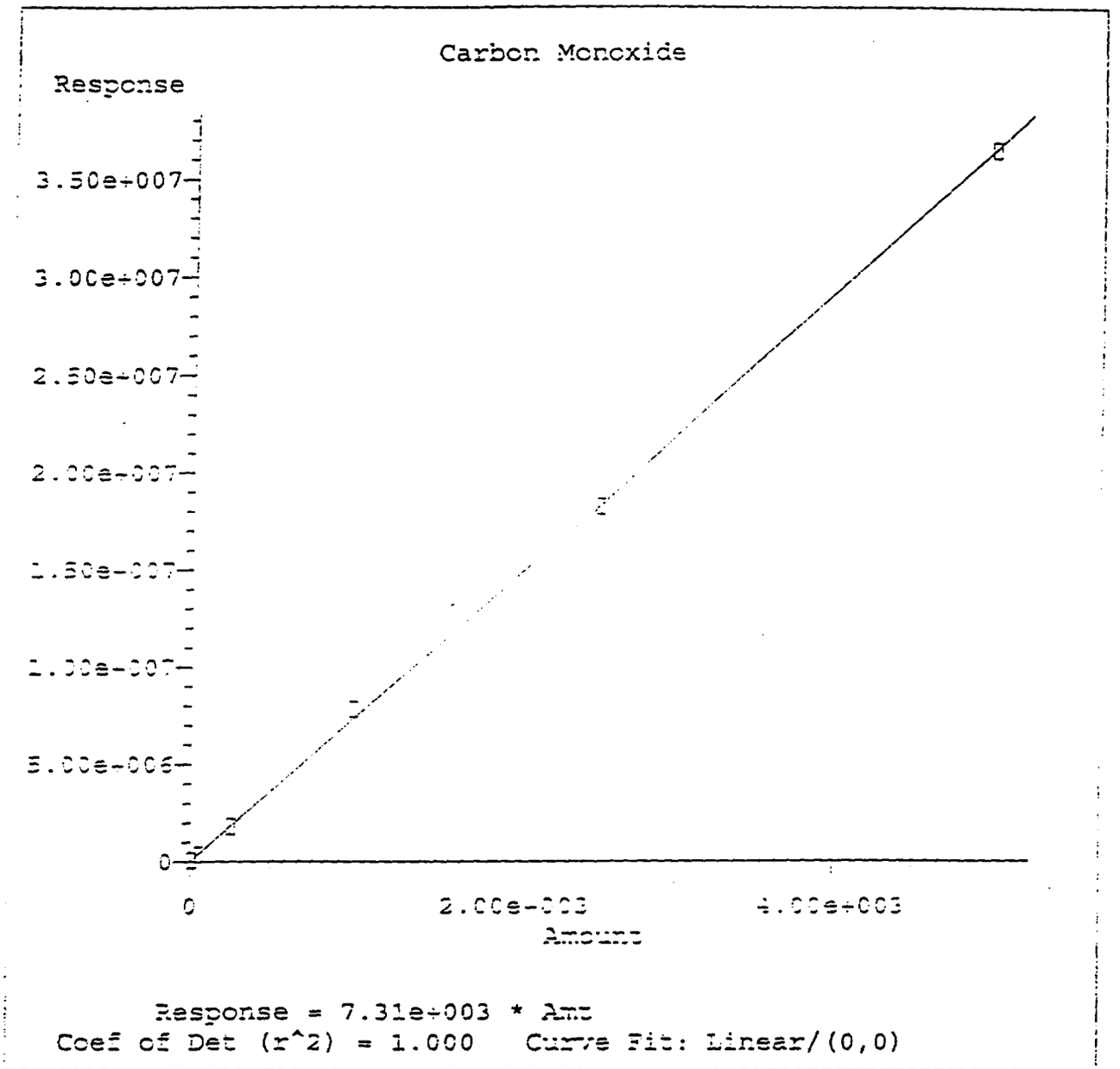
Vial: 8
Operator:
Inst : GC#1
Multiplr: 1.00

Method : H:\GC1\METHODS\25C.M
Title : EPA 25C TCA/FID Analysis for TGNMO
Last Update : Fri Apr 25 07:48:54 1997
Response via : Multiple Level Calibration

Volume Inj. :
Signal Phase :
Signal Info :

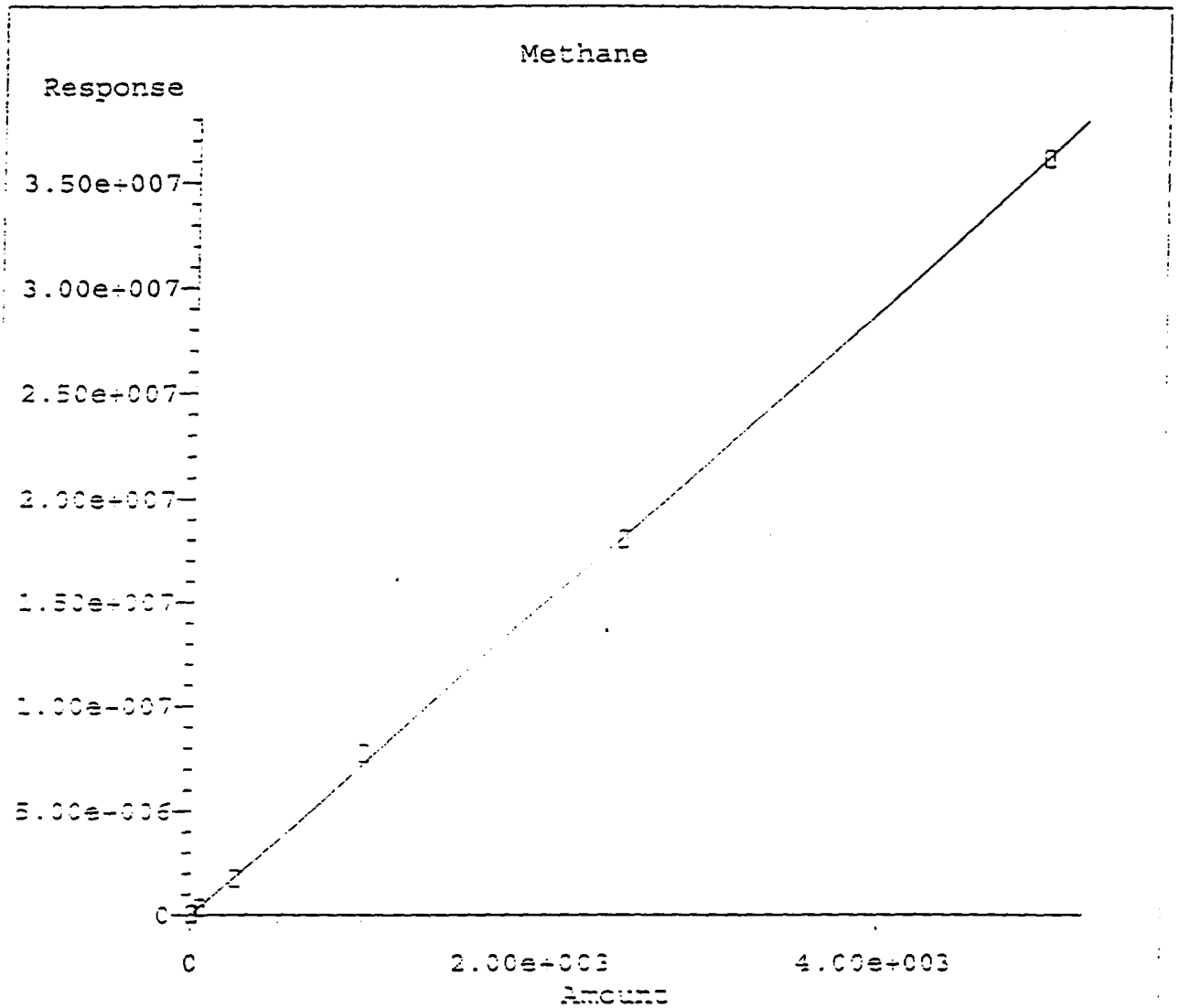
	Compound	R.T.	Response	Conc	Units	
Target Compounds						
1)	Carbon Monoxide	1.49	72876	9.884	ppm	m
2)	Methane	2.30	57427	7.928	ppm	
3)	Carbon Dioxide	3.53	72996	10.146	ppm	m
4)	TGNMO-1	5.58	57093	8.308	ppm	

Method 25C



Method Name: H:\GC1\METHODS\25C.M
Calibration Table Last Updated: Fri May 16 10:23:03 1997

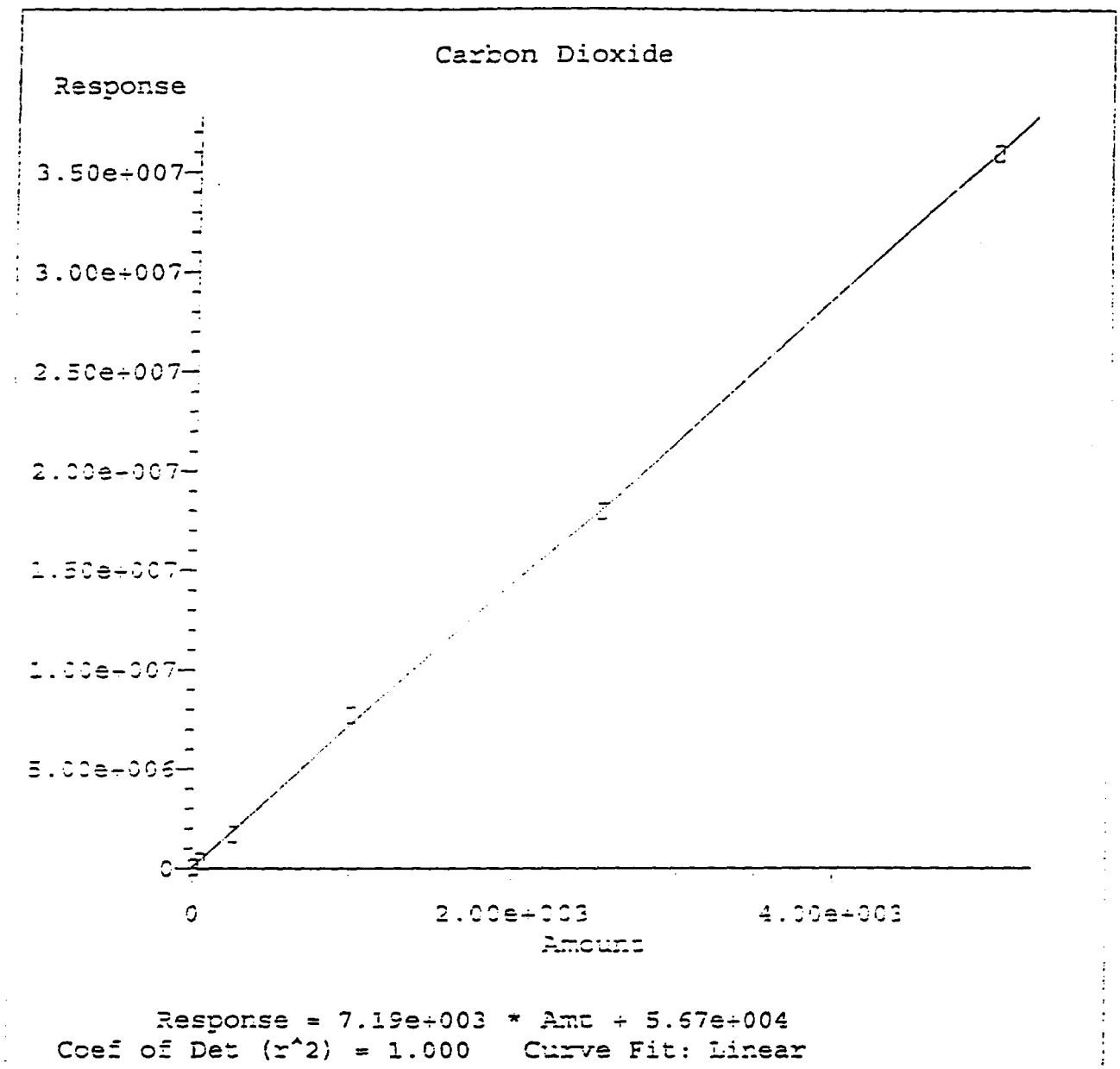
Method 25C



Response = 7.25e+003 * Amt
Coef of Det (r^2) = 1.000 Curve Fit: Linear/(0,0)

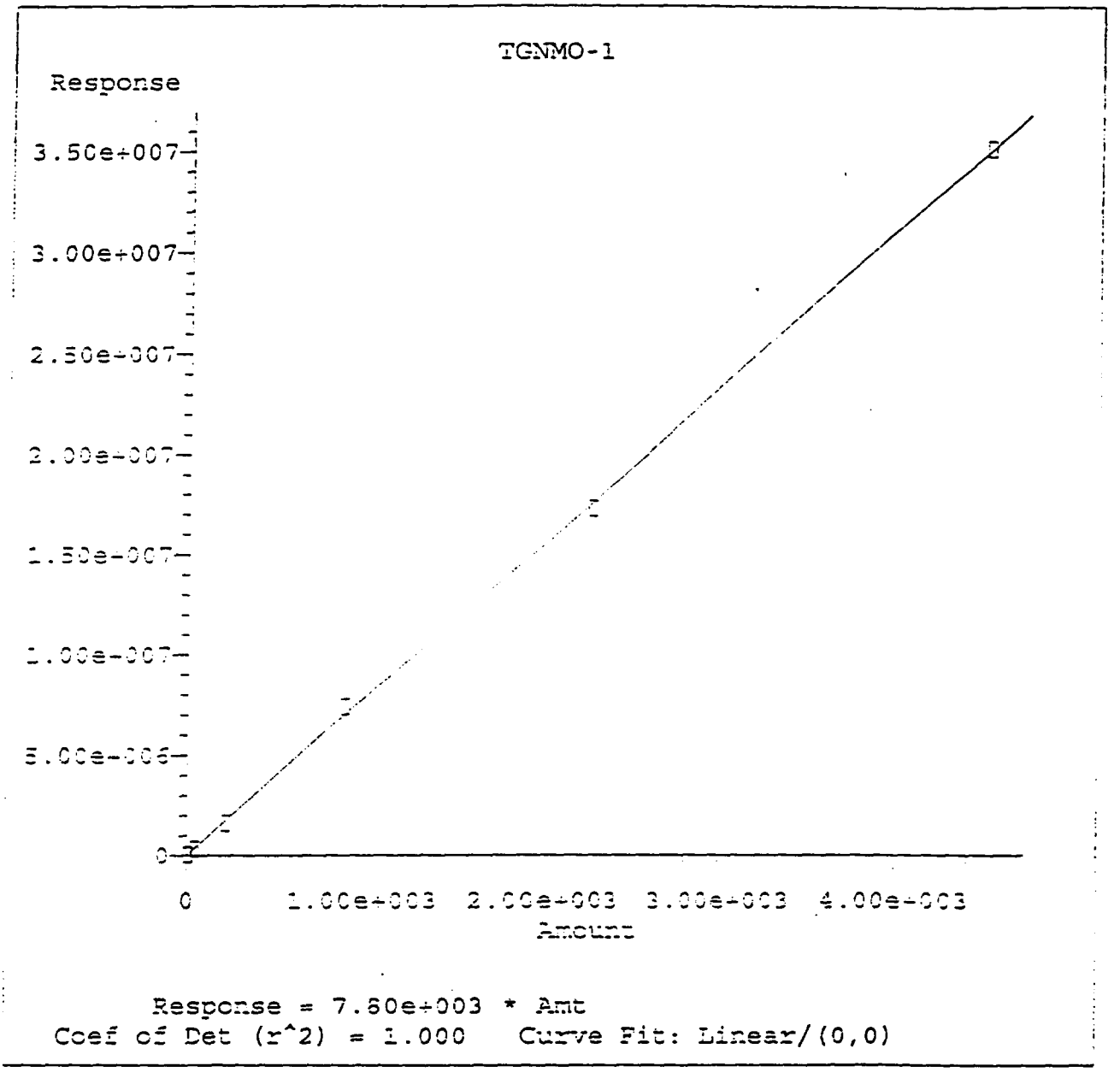
Method Name: H:\GC1\METHODS\25C.M
Calibration Table Last Updated: Fri May 16 10:23:03 1997

Method 25C



Method Name: H:\GC1\METHODS\25C.M
Calibration Table Last Updated: Fri May 16 10:23:03 1997

Method 25C



Method Name: H:\GC1\METHODS\25C.M
Calibration Table Last Updated: Fri May 16 10:23:03 1997

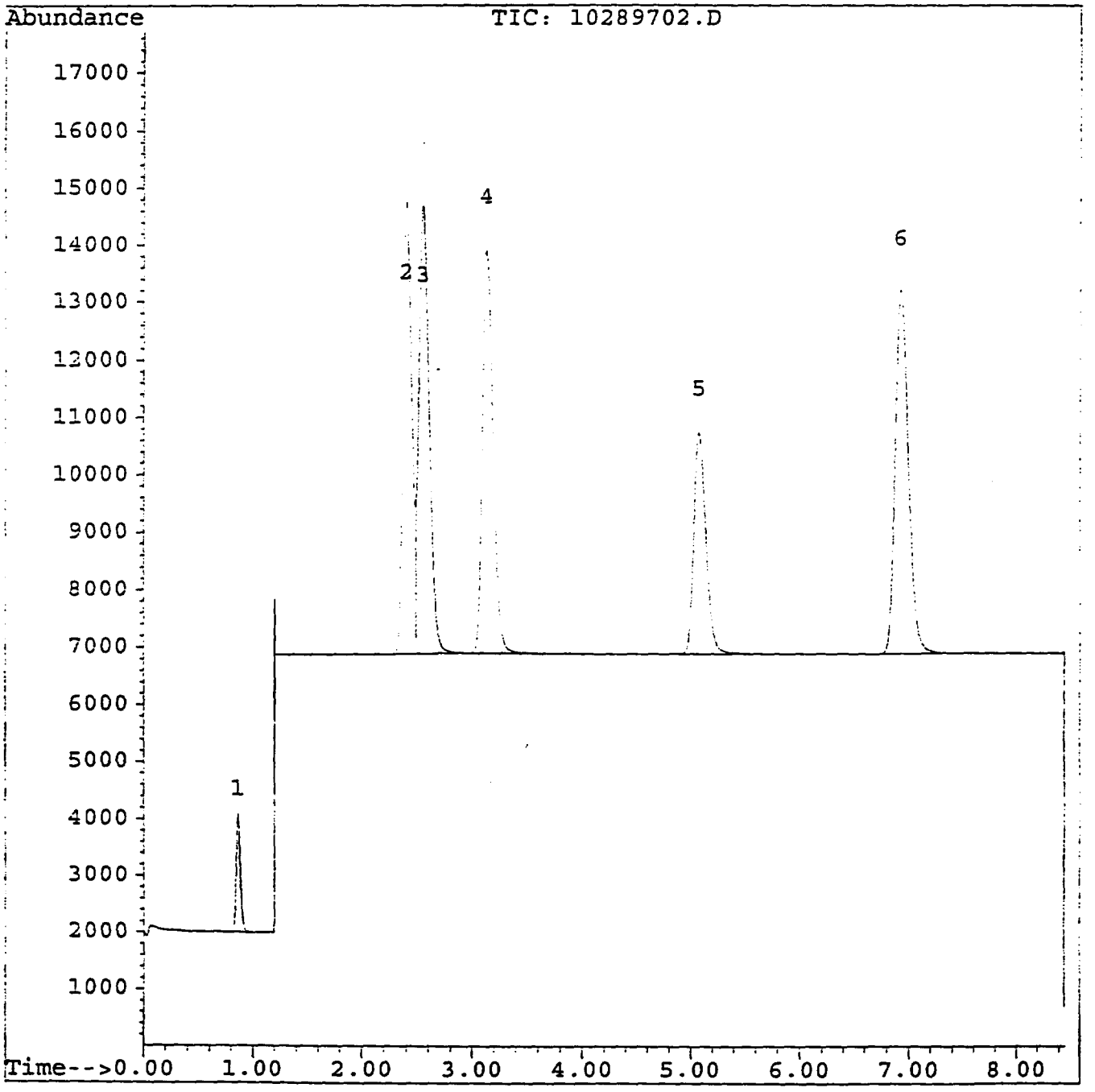
Quantitation Report

Data File : H:\GC1\DATA\FXG\102897\10289702.D
Acq On : 28 Oct 97 04:05 PM
Sample : STD-500uL-10/28
Misc :
Quant Time: Oct 28 16:14 1997

Vial: 1
Operator: WHH
Inst : GC#1
Multiplr: 2.00

Method : H:\GC1\METHODS\FIXEDGAS.M
Title : EPA 25C TCA/FID Analysis for TGNMO
Last Update : Thu Jun 05 07:21:38 1997
Response via : Multiple Level Calibration

Volume Inj. : 100ul
Signal Phase : CarboSieve Packed Column
Signal Info :



Quantitation Report

Data File : H:\GC1\DATA\FXG\102897\10289702.D
Acq On : 28 Oct 97 04:05 PM
Sample : STD-500uL-10/28
Misc :
Quant Time: Oct 28 16:14 1997

Vial: 1
Operator: WHH
Inst : GC#1
Multiplr: 2.00

Method : H:\GC1\METHODS\FIXEDGAS.M
Title : EPA 25C TCA/FID Analysis for TGNMO
Last Update : Thu Jun 05 07:21:38 1997
Response via : Multiple Level Calibration

Volume Inj. : 100ul
Signal Phase : CarboSieve Packed Column
Signal Info :

	Compound	R.T.	Response	Conc	Units
	Target Compounds				
1)	Hydrogen	0.87	56240	41514.688	ppm
2)	Oxygen	2.40	427978	48750.380	ppm
3)	Nitrogen	2.55	520112	48749.061	ppm
4)	Carbon Monoxide	3.14	474400	48686.616	ppm
5)	Methane	5.08	299478	38542.725	ppm
6)	Carbon Dioxide	6.93	529178	47186.068	ppm

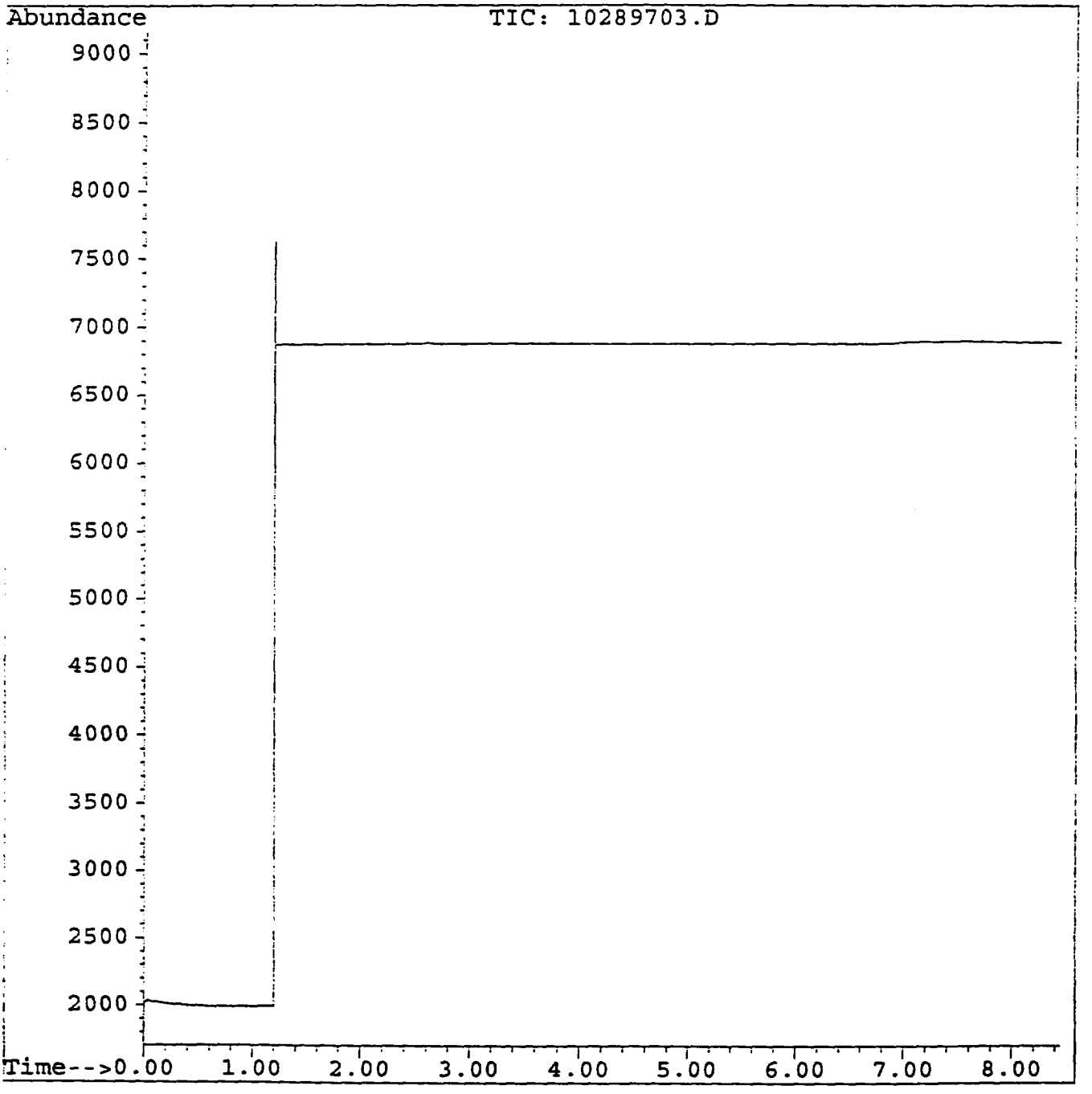
Quantitation Report

Data File : H:\GC1\DATA\FXG\102897\10289703.D
Acq On : 28 Oct 97 04:18 PM
Sample : MB-1mL-10/28
Misc :
Quant Time: Oct 28 16:45 1997

Vial: 1
Operator: WHH
Inst : GC#1
Multiplr: 1.00

Method : H:\GC1\METHODS\FIXEDGAS.M
Title : EPA 25C TCA/FID Analysis for TGNMO
Last Update : Thu Jun 05 07:21:38 1997
Response via : Multiple Level Calibration

Volume Inj. : 100ul
Signal Phase : CarboSieve Packed Column
Signal Info :



Quantitation Report

Data File : H:\GC1\DATA\FXG\102897\10289703.D
Acq On : 28 Oct 97 04:18 PM
Sample : MB-1mL-10/28
Misc :
Quant Time: Oct 28 16:45 1997

Vial: 1
Operator: WHH
Inst : GC#1
Multiplr: 1.00

Method : H:\GC1\METHODS\FIXEDGAS.M
Title : EPA 25C TCA/FID Analysis for TGNMO
Last Update : Thu Jun 05 07:21:38 1997
Response via : Multiple Level Calibration

Volume Inj. : 100ul
Signal Phase : CarboSieve Packed Column
Signal Info :

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Hydrogen	0.00	0	N.D.	ppm
2)	Oxygen	0.00	0	N.D.	ppm
3)	Nitrogen	0.00	0	N.D.	ppm
4)	Carbon Monoxide	0.00	0	N.D.	ppm
5)	Methane	0.00	0	N.D.	ppm
6)	Carbon Dioxide	0.00	0	N.D.	ppm

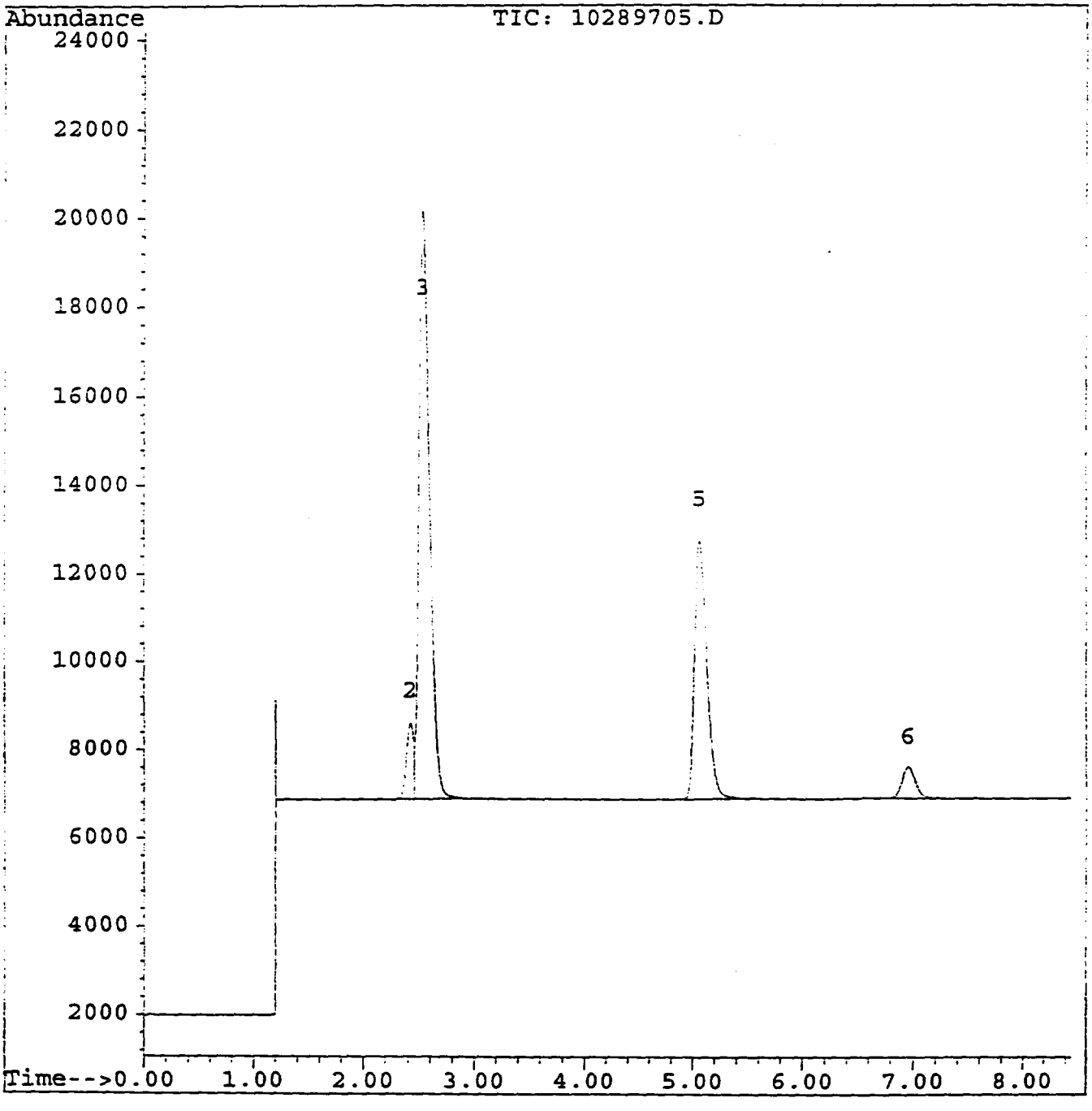
Quantitation Report

Data File : H:\GC1\DATA\FXG\102897\10289705.D
Acq On : 28 Oct 97 05:06 PM
Sample : 4133-001-100uL
Misc :
Quant Time: Oct 29 14:44 1997

Vial: 1
Operator: WHH
Inst : GC#1
Multiplr: 10.00

Method : H:\GC1\METHODS\FIXEDGAS.M
Title : EPA 25C TCA/FID Analysis for TGNMO
Last Update : Thu Jun 05 07:21:38 1997
Response via : Multiple Level Calibration

Volume Inj. : 100ul
Signal Phase : CarboSieve Packed Column
Signal Info :



Quantitation Report

Data File : H:\GC1\DATA\FXG\102897\10289705.D
Acq On : 28 Oct 97 05:06 PM
Sample : 4133-001-100uL
Misc :
Quant Time: Oct 29 14:44 1997

Vial: 1
Operator: WHH
Inst : GC#1
Multiplr: 10.00

Method : H:\GC1\METHODS\FIXEDGAS.M
Title : EPA 25C TCA/FID Analysis for TGNMO
Last Update : Thu Jun 05 07:21:38 1997
Response via : Multiple Level Calibration

Volume Inj. : 100ul
Signal Phase : CarboSieve Packed Column
Signal Info :

	Compound	R.T.	Response	Conc Units
	Target Compounds			
1)	Hydrogen	0.00	0	N.D. ppm
2)	Oxygen	2.42	74638	42305.171 ppm
3)	Nitrogen	2.53	873330	411495.720 ppm
4)	Carbon Monoxide	0.00	0	N.D. ppm
5)	Methane	5.07	460717	296470.661 ppm
6)	Carbon Dicxide	6.97	56848	25345.296 ppm m

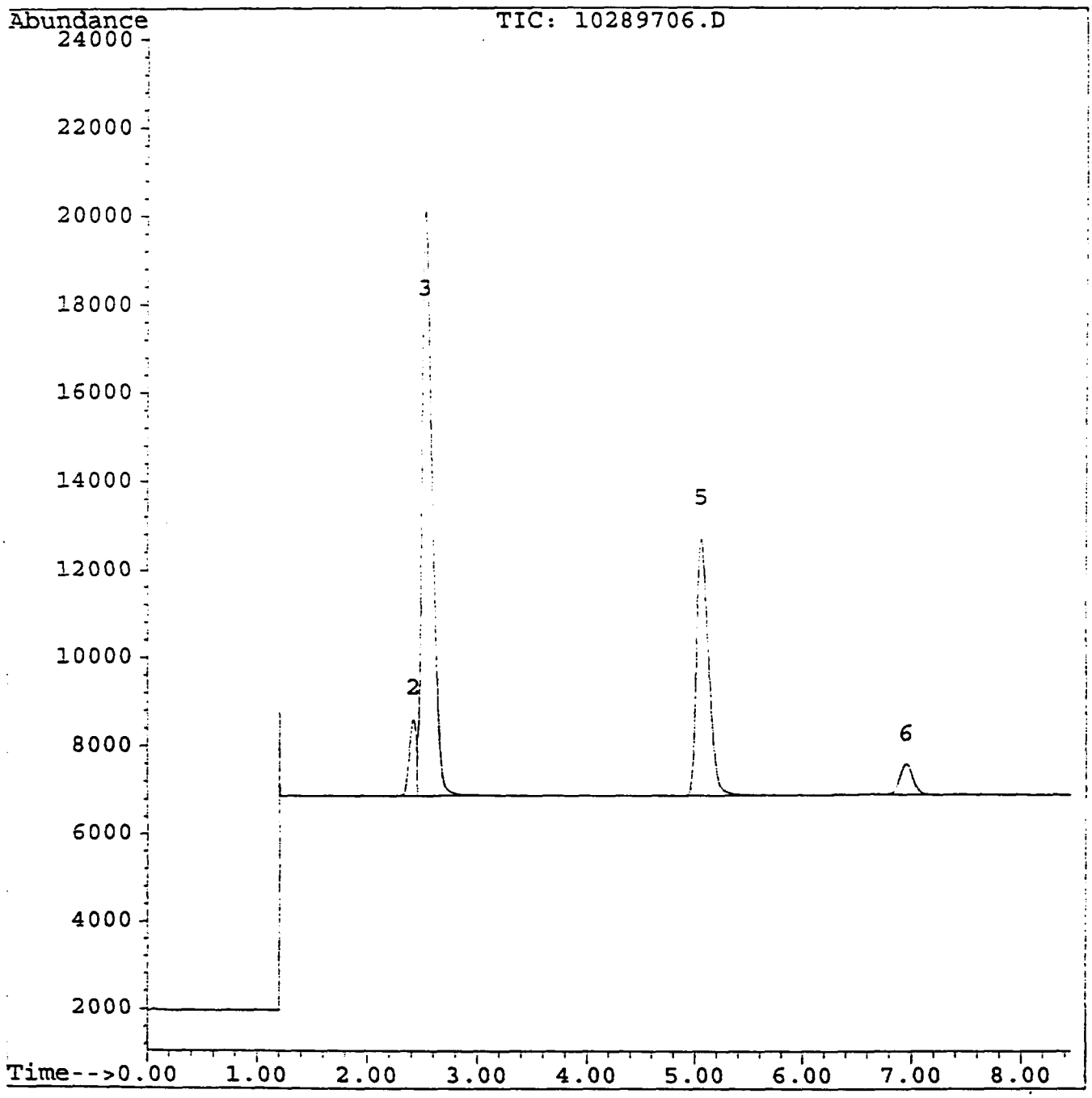
Quantitation Report

Data File : H:\GC1\DATA\FXG\102897\10289706.D
Acq On : 28 Oct 97 05:20 PM
Sample : 4133-001-100uLDP
Misc :
Quant Time: Oct 29 14:45 1997

Vial: 1
Operator: WHH
Inst : GC#1
Multiplr: 10.00

Method : H:\GC1\METHODS\FIXEDGAS.M
Title : EPA 25C TCA/FID Analysis for TGNMO
Last Update : Thu Jun 05 07:21:38 1997
Response via : Multiple Level Calibration

Volume Inj. : 100ul
Signal Phase : CarboSieve Packed Column
Signal Info :



Quantitation Report

Data File : H:\GC1\DATA\FXG\102897\10289706.D
Acq On : 28 Oct 97 05:20 PM
Sample : 4133-001-100uLDP
Misc :
Quant Time: Oct 29 14:45 1997

Vial: 1
Operator: WHH
Inst : GC#1
Multiplr: 10.00

Method : H:\GC1\METHODS\FIXEDGAS.M
Title : EPA 25C TCA/FID Analysis for TGNMO
Last Update : Thu Jun 05 07:21:38 1997
Response via : Multiple Level Calibration

Volume Inj. : 100ul
Signal Phase : CarboSieve Packed Column
Signal Info :

	Compound	R.T.	Response	Conc Units
	Target Compounds			
1)	Hydrogen	0.00	0	N.D. ppm
2)	Oxygen	2.42	74348	42139.398 ppm
3)	Nitrogen	2.53	866726	408359.513 ppm
4)	Carbon Monoxide	0.00	0	N.D. ppm
5)	Methane	5.06	455630	293196.676 ppm
6)	Carbon Dioxide	6.96	55921	24932.141 ppm m

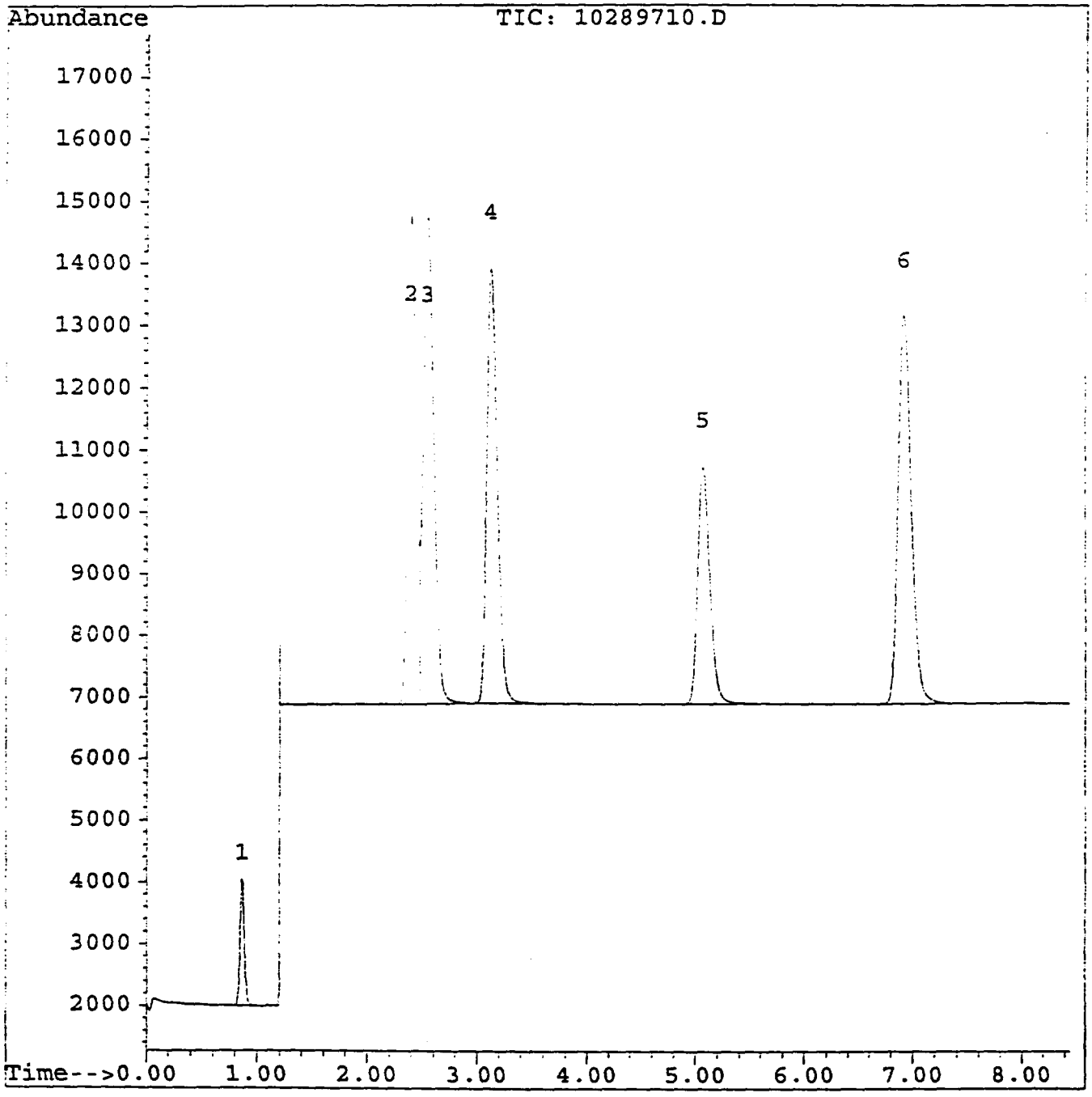
Quantitation Report

Data File : H:\GC1\DATA\FXG\102897\10289710.D
Acq On : 28 Oct 97 06:47 PM
Sample : STD-500uL
Misc :
Quant Time: Oct 28 19:03 1997

Vial: 1
Operator: WHH
Inst : GC#1
Multiplr: 2.00

Method : H:\GC1\METHODS\FIXEDGAS.M
Title : EPA 25C TCA/FID Analysis for TGNMO
Last Update : Thu Jun 05 07:21:38 1997
Response via : Multiple Level Calibration

Volume Inj. : 100ul
Signal Phase : CarboSieve Packed Column
Signal Info :



Quantitation Report

Data File : H:\GC1\DATA\FXG\102897\10289710.D
Acq On : 28 Oct 97 06:47 PM
Sample : STD-500uL
Misc :
Quant Time: Oct 28 19:03 1997

Vial: 1
Operator: WHH
Inst : GC#1
Multiplr: 2.00

Method : H:\GC1\METHODS\FIXEDGAS.M
Title : EPA 25C TCA/FID Analysis for TGNMO
Last Update : Thu Jun 05 07:21:38 1997
Response via : Multiple Level Calibration

Volume Inj. : 100ul
Signal Phase : CarboSieve Packed Column
Signal Info :

	Compound	R.T.	Response	Conc	Units
	Target Compounds				
1)	Hydrogen	0.87	55260	40886.767	ppm
2)	Oxygen	2.40	426694	48603.870	ppm
3)	Nitrogen	2.55	520470	48783.045	ppm
4)	Carbon Monoxide	3.13	471056	48343.421	ppm
5)	Methane	5.07	296780	38195.389	ppm
6)	Carbon Dioxide	5.92	523790	46705.642	ppm

RESULTS OF VOLATILE ORGANIC ANALYSIS

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : VOC Analytical

Client Sample ID : G97-10-363-1
PAI Sample ID : P9704133-001

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 10/16/97
Date Received : 10/20/97
Date Analyzed : 11/3/97
Volume(s) Analyzed : 0.0010 Liter(s)

Pi 1 = -0.4
Pf 1 = 3.0

D.F. = 1.24

CAS #	COMPOUND	RESULT (UG/M3)	REPORTING LIMIT (UG/M3)	RESULT (PPB)	REPORTING LIMIT (PPB)
74-87-3	Chloromethane	ND	1,000	ND	490
75-01-4	Vinyl Chloride	47,000	1,000	19,000	390
75-00-3	Chloroethane	ND	1,000	ND	380
74-83-9	Bromomethane	ND	1,000	ND	260
67-64-1	Acetone	ND	1,000	ND	420
75-69-4	Trichlorofluoromethane	ND	1,000	ND	180
75-35-4	1,1-Dichloroethene	ND	1,000	ND	250
75-09-2	Methylene chloride	ND	1,000	ND	290
75-15-0	Carbon Disulfide	ND	1,000	ND	320
76-13-1	Trichlorotrifluoroethane	ND	1,000	ND	130
156-60-5	trans-1,2-Dichloroethene	ND	1,000	ND	250
156-59-2	cis-1,2-Dichloroethene	16,000	1,000	4,100	250
75-34-3	1,1-Dichloroethane	ND	1,000	ND	250
1634-04-4	Methyl tert-Butyl Ether	ND	1,000	ND	280
108-05-4	Vinyl Acetate	ND	1,000	ND	280
78-93-3	2-Butanone	ND	1,000	ND	340
67-66-3	Chloroform	ND	1,000	ND	210
107-06-2	1,2-Dichloroethane	ND	1,000	ND	250
71-55-6	1,1,1-Trichloroethane	ND	1,000	ND	190
71-43-2	Benzene	97,000	1,000	31,000	310
56-23-5	Carbon Tetrachloride	ND	1,000	ND	160
78-87-5	1,2-Dichloropropane	ND	1,000	ND	220

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RC

Date : 11/4/97

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : VOC Analytical

Client Sample ID : G97-10-363-1
PAI Sample ID : P9704133-001

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 10/16/97
Date Received : 10/20/97
Date Analyzed : 11/3/97
Volume(s) Analyzed : 0.0010 Liter(s)

Pi 1 = -0.4
Pf 1 = 3.0

D.F. = 1.24

CAS #	COMPOUND	RESULT (UG/M3)	REPORTING LIMIT (UG/M3)	RESULT (PPB)	REPORTING LIMIT (PPB)
75-27-4	Bromodichloromethane	ND	1,000	ND	150
79-01-6	Trichloroethene	ND	1,000	ND	190
10061-01-5	cis-1,3-Dichloropropene	ND	1,000	ND	220
108-10-1	4-Methyl-2-pentanone	ND	1,000	ND	240
10061-02-6	trans-1,3-Dichloropropene	ND	1,000	ND	220
79-00-5	1,1,2-Trichloroethane	ND	1,000	ND	190
108-88-3	Toluene	61,000	1,000	16,000	270
124-48-1	Dibromochloromethane	ND	1,000	ND	120
591-78-6	2-Hexanone	ND	1,000	ND	240
106-93-4	1,2-Dibromoethane	ND	1,000	ND	130
127-18-4	Tetrachloroethene	ND	1,000	ND	150
108-90-7	Chlorobenzene	ND	1,000	ND	220
100-41-4	Ethylbenzene	18,000	1,000	4,100	230
75-25-2	Bromoform	ND	1,000	ND	98
100-42-5	Styrene	ND	1,000	ND	240
1330-20-7	m,p-Xylenes	73,000	1,000	17,000	230
95-47-6	o-Xylene	19,000	1,000	4,300	230
79-34-5	1,1,2,2-Tetrachloroethane	ND	1,000	ND	150
541-73-1	1,3-Dichlorobenzene	ND	1,000	ND	170
106-46-7	1,4-Dichlorobenzene	ND	1,000	ND	170
95-50-1	1,2-Dichlorobenzene	ND	1,000	ND	170

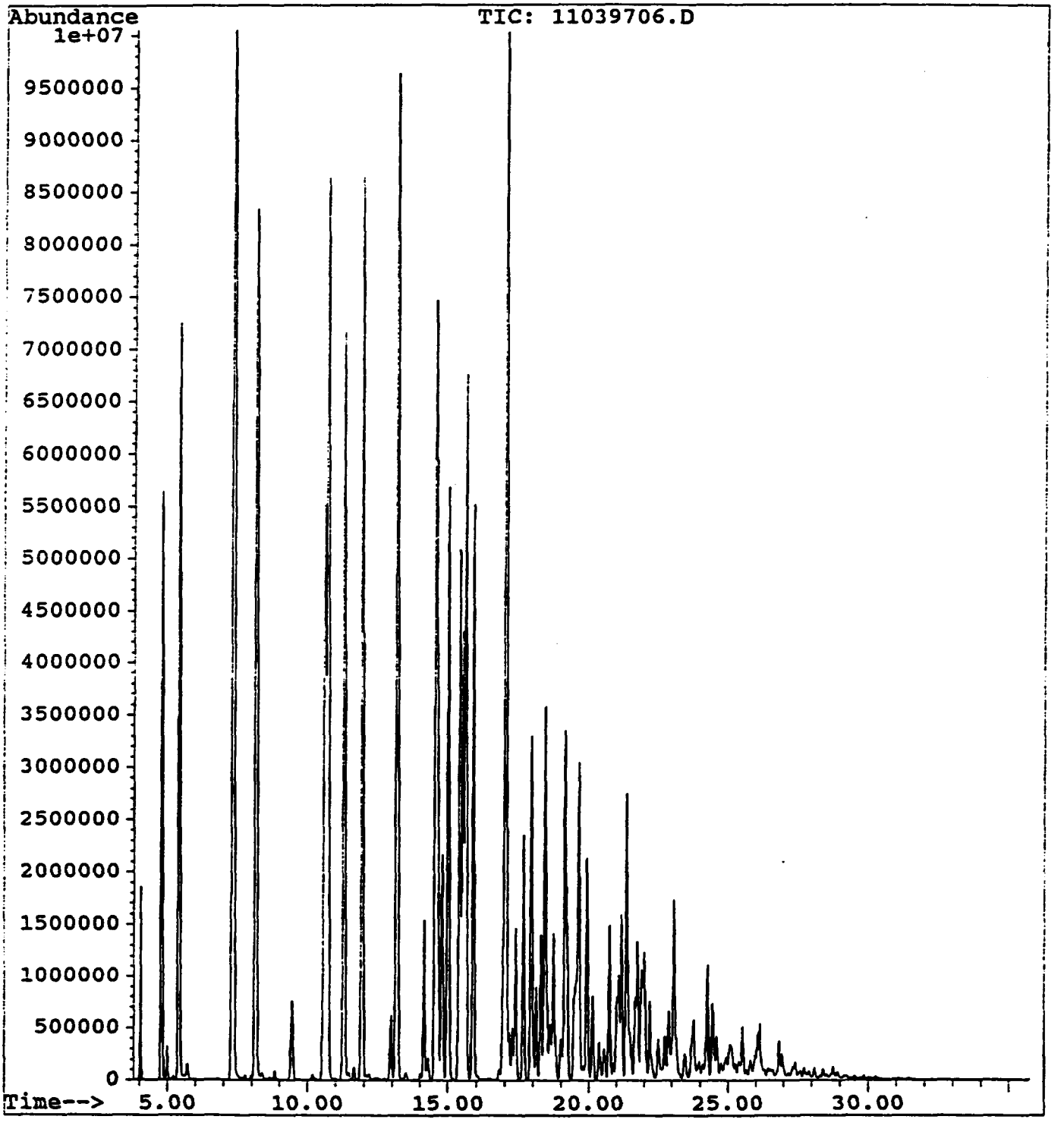
TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 11/4/97

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2[illegible]

File : C:\HPCHEM\1\DATA\S110397\11039706.D
Operator : CJC
Acquired : 3 Nov 97 12:47 pm using AcqMethod FCTO14B
Instrument : 5989 - In
Sample Name: VOC G97-10-363-1 (1.0 ml)(-0.4,3.0)4133-001
Misc Info :
Vial Number: 1



TO-14 RESULTS (PAGE 1 OF 3)

File	C:\HPCHEM\1\DATA\S110397\11039706.D
Operator	CJC
Date	3 Nov 97 12:47 pm
Sample	VOC G97-10-363-1 (1.0 ml)[-0.4,3.0]4133-001
Conditions	5989A/ENTECH 7000

CPD #	Compound	RRT(L)	Area	RRF	Amount	Units	PPB(V)
1	BROMOCHLOROMETHANE	11.88	144751	1.000	50.00	NG	**
2	PROPENE	4.04	701306	10.372	23.36	NG	13.60
3	DICHLORODIFLUOROMETHANE	0.00	0	4.136	0.00	NG	0.00
4	CHLOROMETHANE	0.00	0	5.433	0.00	NG	0.00
5	DICHLOROTETRAFLUOROETHA	0.00	0	3.500	0.00	NG	0.00
6	VINYL CHLORIDE	4.99	542123	4.932	37.97	NG	14.98
7	1,3-BUTADIENE	5.22	1259	5.509	0.08	NG	0.04
8	BROMOMETHANE	0.00	0	2.396	0.00	NG	0.00
9	CHLOROETHANE	0.00	0	2.877	0.00	NG	0.00
10	ETHANOL	6.18	69	3.308	0.01	NG	0.00
11	ACETONITRILE	6.80	8848	9.056	0.34	NG	0.20
12	ACROLEIN	0.00	0	2.512	0.00	NG	0.00
13	ACETONE	7.31	622451	2.931	73.36	NG	30.94
14	PROPYLENE OXIDE	7.31	622451	2.132	100.86	NG	42.54
15	TRICHLOROFLUOROMETHANE	0.00	0	3.054	0.00	NG	0.00
16	ISOPROPYL ALCOHOL	7.58	4545	10.412	0.15	NG	0.06
17	ACRYLONITRILE	7.97	6808	6.497	0.36	NG	0.17
18	tert-BUTANOL	8.53	1095	8.179	0.05	NG	0.02
19	1,1-DICHLOROETHENE	8.60	2027	5.090	0.14	NG	0.04
20	METHYLENE CHLORIDE	8.76	9737	5.341	0.57	NG	0.16
21	ALLYL CHLORIDE	0.00	0	1.844	0.00	NG	0.00
22	TRICHLOROTRIFLUOROETHANE	0.00	0	2.755	0.00	NG	0.00
23	CARBON DISULFIDE	9.34	16180	11.798	0.47	NG	0.15
24	trans-1,2-DICHLOROETHENE	10.19	7299	4.940	0.51	NG	0.13
25	1,1-DICHLOROETHANE	10.59	36028	5.963	2.09	NG	0.52
26	cis-1,2-DICHLOROETHENE	11.64	174322	4.600	13.09	NG	3.34
27	t-BUTYL METHYL ETHER	10.50	490	9.201	0.02	NG	0.01
28	VINYL ACETATE	10.59	4745306	16.809	97.52	NG	27.74
29	2-BUTANONE	10.70	14396505	13.816	353.94	NG	122.28
30	3-METHYL PENTANE	11.29	11013771	9.188	414.04	NG	117.76
31	ETHYL ACETATE	11.91	7996937	14.508	190.40	NG	52.92
32	n-HEXANE	11.92	9351516	7.278	443.83	NG	126.23
33	CHLOROFORM	12.07	67	4.650	0.00	NG	0.00
34	2-METHYL-1-PROPANOL	0.00	0	6.399	0.00	NG	0.00
35	1,2-DICHLOROETHANE-D4	12.96	360228	3.076	40.46	NG	**
36	1,2-DICHLOROETHANE	13.14	29554	4.223	2.42	NG	0.60
37	1,4-DIFLUOROBENZENE	14.51	1039195	1.000	50.00	NG	**
38	1,1,1-TRICHLOROETHANE	13.51	81	0.508	0.01	NG	0.00
39	1-BUTANOL	13.81	2926	0.587	0.24	NG	0.08
40	BENZENE	14.14	3003328	1.838	78.62	NG	24.66
41	CARBON TETRACHLORIDE	0.00	0	0.398	0.00	NG	0.00
42	VALERALDEHYDE (PENTANAL)	14.99	195487	1.191	7.90	NG	2.25
43	1,2-DICHLOROPROPANE	15.42	19108	0.526	1.75	NG	0.38
44	1,4-DIOXANE	15.33	138	0.339	0.02	NG	0.01

File	C:\HPCHEM\1\DATA\S110397\11039706.D
Operator	CJC
Date	3 Nov 97 12:47 pm
Sample	VOC G97-10-363-1 (1.0 ml)(-0.4,3.0)4133-001
Conditions	5989A/ENTECH 7000

CPD #	Compound	RRT	Area	RRF	Amount	Units	
45	BROMODICHLOROMETHANE	15.53	927358	0.531	83.99	NG	12.68
46	TRICHLOROETHENE	15.59	15359	0.349	2.12	NG	0.40
47	EPICHLOROHYDRIN	15.62	15811	0.074	10.26	NG	2.73
48	METHYL METHACRYLATE	15.63	4766270	1.065	215.26	NG	52.65
49	HEPTANE	15.89	6865946	1.443	228.88	NG	55.98
50	cis-1,3-DICHLOROPROPENE	17.01	3448	0.717	0.23	NG	0.05
51	4-METHYL-2-PENTANONE	16.81	48589	1.857	1.26	NG	0.31
52	DIMETHYL DISULFIDE	17.05	364	0.568	0.03	NG	0.01
53	trans-1,3-DICHLOROPROPENE	17.61	68	0.675	0.00	NG	0.00
54	1,1,2-TRICHLOROETHANE	17.66	177259	0.365	23.36	NG	4.33
55	CHLOROBENZENE-D5	21.08	725964	1.000	50.00	NG	**
56	TOLUENE-D8	18.12	1213687	1.765	47.36	NG	**
57	1,3-DICHLOROPROPANE	18.27	6040	1.272	0.33	NG	0.07
58	TOLUENE	18.28	1785111	2.512	48.94	NG	13.01
59	2-HEXANONE	18.43	5368043	2.645	139.80	NG	34.19
60	HEXANAL	18.72	74020	0.968	5.27	NG	1.29
61	DIBROMOCHLOROMETHANE	0.00	0	0.516	0.00	NG	0.00
62	BUTYL ACETATE	19.52	150778	3.241	3.20	NG	0.68
63	TETRAHYDROTHIOPHENE	19.47	67	1.079	0.00	NG	0.00
64	OCTANE	19.65	3630339	3.172	78.83	NG	16.91
65	1,2-DIBROMOETHANE	19.20	63	0.598	0.01	NG	0.00
66	TETRACHLOROETHENE	20.05	374	0.415	0.06	NG	0.01
67	CHLOROBENZENE	21.18	288943	1.441	13.81	NG	3.02
68	ETHYLBENZENE	21.73	182039	0.879	14.27	NG	3.29
69	m & p - XYLENES	22.00	974799	1.140	58.91	NG	13.59
70	BROMOFORM	0.00	0	0.385	0.00	NG	0.00
71	STYRENE	22.68	2900	1.705	0.12	NG	0.03
72	2-BUTOXYETHANOL	23.08	1180408	2.180	37.30	NG	7.73
73	1,1,2,2-TETRACHLOROETHANE	22.73	54277	1.076	3.47	NG	0.51
74	NONANE	23.07	1517342	2.929	35.68	NG	6.82
75	o - XYLENE	22.85	233298	1.063	15.11	NG	3.49
76	CUMENE	23.90	93330	2.400	2.68	NG	0.55
77	1-HEPTANOL	24.75	45929	0.218	14.53	NG	3.06
78	4-ETHYLTOLUENE	25.12	109032	2.864	2.62	NG	0.53
79	a-PINENE	24.64	3176	1.583	0.14	NG	0.02
80	bis-(2-CHLOROETHYL) ETHER	24.93	1448	0.785	0.13	NG	0.02
81	1,3,5-TRIMETHYLBENZENE	25.25	146119	2.091	4.81	NG	0.98
82	n-DECANE	26.14	424343	2.596	11.26	NG	1.94
83	beta-PINENE	25.93	2148	1.376	0.11	NG	0.02
84	1,2,4-TRIMETHYLBENZENE	26.06	332126	2.072	11.04	NG	2.25
85	BROMOFLUOROBENZENE	23.68	164846	0.213	53.36	NG	**
86	BENZYL CHLORIDE	26.53	12128	1.632	0.51	NG	0.10
87	1,3-DICHLOROBENZENE	26.60	843	0.889	0.07	NG	0.01

TO-14 RESULTS (PAGE 3 OF 3)

File	C:\HPCHEM\1\DATA\S110397\11039706.D
Operator	CJC
Date	3 Nov 97 12:47 pm
Sample	VOC G97-10-363-1 (1.0 ml)(-0.4,3.0)4133-001
Conditions	5989A/ENTECH 7000

CPD #	Compound	RRT(L)	Area	RRF	Amount	Units	PPB(V)
88	2-ETHYL-1-HEXANOL	26.64	21838	0.340	4.42	NG	0.83
89	1,4-DICHLOROBENZENE	26.60	843	1.028	0.06	NG	0.01
90	d-LIMONENE	27.13	2524	1.031	0.17	NG	0.03
91	1,2-DICHLOROBENZENE	27.29	1925	0.857	0.15	NG	0.03
92	1-NONANOL	31.43	2946	0.335	0.61	NG	0.10
93	1,2-DIBROMO-3-CHLOROPROPA	0.00	0	0.339	0.00	NG	0.00
94	NONANAL	28.55	4534	0.286	1.09	NG	0.19
95	n-UNDECANE	28.76	67908	2.246	2.08	NG	0.33
96	n-DODECANE	31.16	564	1.945	0.02	NG	0.00
97	1,2,4-TRICHLOROBENZENE	0.00	0	0.472	0.00	NG	0.00
98	NAPHTHALENE	31.40	213	1.518	0.01	NG	0.00
99	HEXACHLOROBUTADIENE	0.00	0	0.296	0.00	NG	0.00

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : VOC Analytical

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 11/3/97
Volume(s) Analyzed : 1.000 Liter(s)

Pi 1 = 0.0
Pf 1 = 0.0

D.F. = 1.00

CAS #	COMPOUND	RESULT (UG/M3)	REPORTING LIMIT (UG/M3)	RESULT (PPB)	REPORTING LIMIT (PPB)
74-87-3	Chloromethane	ND	1.0	ND	0.49
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
75-00-3	Chloroethane	ND	1.0	ND	0.38
74-83-9	Bromomethane	ND	1.0	ND	0.26
67-64-1	Acetone	ND	1.0	ND	0.42
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	ND	1.0	ND	0.29
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	ND	1.0	ND	0.34
67-66-3	Chloroform	ND	1.0	ND	0.21
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.19
71-43-2	Benzene	ND	1.0	ND	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 11/4/97

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1134 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : VOC Analytical

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 11/3/97
Volume(s) Analyzed : 1.000 Liter(s)

Pi 1 = 0.0
Pf 1 = 0.0

D.F. = 1.00

CAS #	COMPOUND	RESULT (UG/M3)	REPORTING LIMIT (UG/M3)	RESULT (PPB)	REPORTING LIMIT (PPB)
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.19
108-88-3	Toluene	ND	1.0	ND	0.27
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
591-78-6	2-Hexanone	ND	1.0	ND	0.24
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	ND	1.0	ND	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.24
1330-20-7	m,p-Xylenes	ND	1.0	ND	0.23
95-47-6	o-Xylene	ND	1.0	ND	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

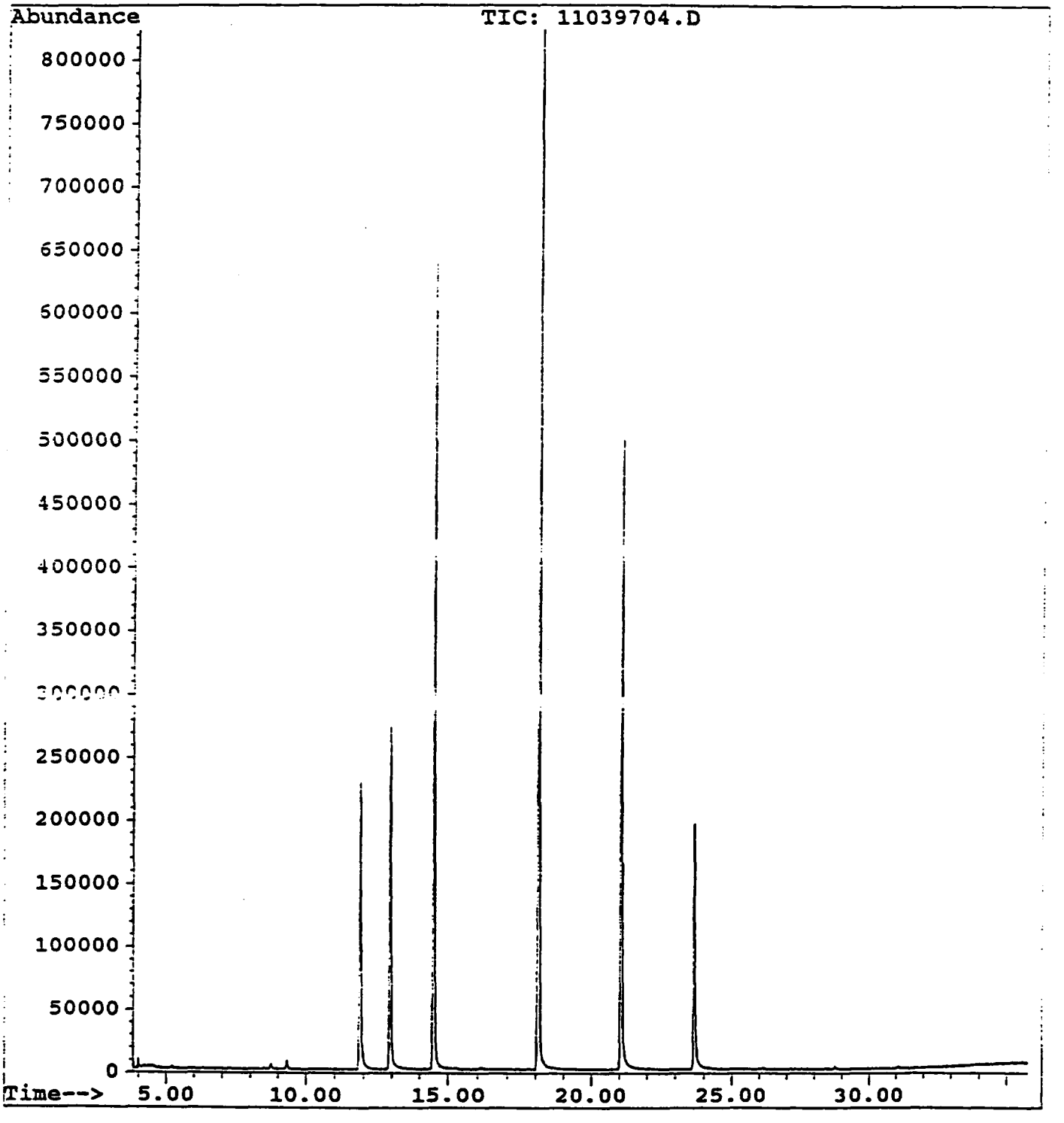
TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 11/4/97

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1130 • Fax 818 709-2456

File : C:\HPCHEM\1\DATA\S110397\11039704.D
Operator : CJC
Acquired : 3 Nov 97 10:53 am using AcqMethod FCTO14B
Instrument : 5989 - In
Sample Name: METHOD BLANK (S10299701/TO-14/1.0 L)
Misc Info :
Vial Number: 1



TO-14 RESULTS (PAGE 1 OF 3)

File	C:\HPCHEM\1\DATA\S110397\11039704.D
Operator	CJC
Date	3 Nov 97 10:53 am
Sample	METHOD BLANK (S10299701/TO-14/1.0 L)
Conditions	5989A/ENTECH 7000

CPD #	Compound	RRT(L)	Area	RRF	Amount	Units	PPB(V)
1	BROMOCHLOROMETHANE	11.87	137535	1.000	50.00	NG	**
2	PROPENE	3.99	149	10.372	0.01	NG	0.00
3	DICHLORODIFLUOROMETHANE	0.00	0	4.136	0.00	NG	0.00
4	CHLOROMETHANE	4.57	79	5.433	0.01	NG	0.00
5	DICHLOROTETRAFLUOROETHA	0.00	0	3.500	0.00	NG	0.00
6	VINYL CHLORIDE	0.00	0	4.932	0.00	NG	0.00
7	1,3-BUTADIENE	5.24	61	5.509	0.00	NG	0.00
8	BROMOMETHANE	5.79	71	2.396	0.01	NG	0.00
9	CHLOROETHANE	0.00	0	2.877	0.00	NG	0.00
10	ETHANOL	6.33	258	3.308	0.03	NG	0.02
11	ACETONITRILE	6.86	2277	9.056	0.06	NG	0.05
12	ACROLEIN	6.86	65	2.512	0.01	NG	0.00
13	ACETONE	7.18	71	2.931	0.01	NG	0.00
14	PROPYLENE OXIDE	7.51	70	2.132	0.01	NG	0.01
15	TRICHLOROFLUOROMETHANE	0.00	0	3.054	0.00	NG	0.00
16	ISOPROPYL ALCOHOL	7.57	124	10.412	0.00	NG	0.00
17	ACRYLONITRILE	0.00	0	6.497	0.00	NG	0.00
18	tert-BUTANOL	8.54	1450	3.179	0.06	NG	0.02
19	1,1-DICHLOROETHENE	8.50	95	5.090	0.01	NG	0.00
20	METHYLENE CHLORIDE	8.75	8856	5.341	0.47	NG	0.14
21	ALLYL CHLORIDE	0.00	0	1.844	0.00	NG	0.00
22	TRICHLOROTRIFLUOROETHANE	0.00	0	2.755	0.00	NG	0.00
23	CARBON DISULFIDE	9.33	17510	11.798	0.54	NG	0.17
24	trans-1,2-DICHLOROETHENE	9.37	57	4.340	0.10	NG	0.00
25	1,1-DICHLOROETHANE	0.00	0	5.363	0.00	NG	0.00
26	cis-1,2-DICHLOROETHENE	11.79	64	4.600	0.01	NG	0.00
27	t-BUTYL METHYL ETHER	0.00	0	9.201	0.00	NG	0.00
28	VINYL ACETATE	10.57	60	16.809	0.00	NG	0.00
29	2-BUTANONE	10.92	71	13.316	0.00	NG	0.00
30	DIETHYL ETHER	0.00	0	3.139	0.00	NG	0.00
31	ETHYL ACETATE	11.89	88	14.508	0.00	NG	0.00
32	n-HEXANE	0.00	0	7.278	0.00	NG	0.00
33	CHLOROFORM	0.00	0	4.650	0.00	NG	0.00
34	2-METHYL-1-PROPANOL	12.37	87	6.399	0.00	NG	0.00
35	1,2-DICHLOROETHANE-D4	12.93	404354	3.076	47.80	NG	**
36	1,2-DICHLOROETHANE	12.92	231	4.223	0.02	NG	0.00
37	1,4-DIFLUOROBENZENE	14.49	967016	1.000	50.00	NG	**
38	1,1,1-TRICHLOROETHANE	13.50	75	0.508	0.01	NG	0.00
39	1-BUTANOL	0.00	0	0.587	0.00	NG	0.00
40	BENZENE	14.09	81	1.338	0.00	NG	0.00
41	CARBON TETRACHLORIDE	0.00	0	0.398	0.00	NG	0.00
42	VALERALDEHYDE (PENTANAL)	14.93	351	1.191	0.02	NG	0.00
43	1,2-DICHLOROPROPANE	15.19	98	0.526	0.01	NG	0.00
44	1,4-DIOXANE	15.26	96	0.339	0.01	NG	0.00

File	C:\HPCHEM\1\DATA\S110397\11039704.D
Operator	CJC
Date	3 Nov 97 10:53 am
Sample	METHOD BLANK (S10299701/TO-14/1.0 L)
Conditions	5989A/ENTECH 7000

CPD #	Compound	RRT	Area	RRF	Amount	Units	
45	BROMODICHLOROMETHANE	15.58	63	0.531	0.01	NG	0.00
46	TRICHLOROETHENE	0.00	0	0.349	0.00	NG	0.00
47	EPICHLOROHYDRIN	15.74	73	0.074	0.05	NG	0.01
48	METHYL METHACRYLATE	15.83	137	1.065	0.01	NG	0.00
49	HEPTANE	15.92	71	1.443	0.00	NG	0.00
50	cis-1,3-DICHLOROPROPENE	0.00	0	0.717	0.00	NG	0.00
51	4-METHYL-2-PENTANONE	16.71	61	1.957	0.00	NG	0.00
52	DIMETHYL DISULFIDE	0.00	0	0.568	0.00	NG	0.00
53	trans-1,3-DICHLOROPROPENE	17.18	60	0.875	0.00	NG	0.00
54	1,1,2-TRICHLOROETHANE	18.10	25238	0.365	3.57	NG	0.66
55	CHLOROBENZENE-D5	21.06	615195	1.000	50.00	NG	**
56	TOLUENE-D8	18.09	1091809	1.765	50.28	NG	**
57	1,3-DICHLOROPROPANE	18.09	10878	1.272	0.70	NG	0.15
58	TOLUENE	18.27	2960	2.512	0.10	NG	0.03
59	2-HEXANONE	18.19	218	2.845	0.01	NG	0.00
60	HEXANAL	18.86	424	0.968	0.04	NG	0.01
61	DIBROMOCHLOROMETHANE	0.00	0	0.516	0.00	NG	0.00
62	BUTYL ACETATE	19.37	78	3.241	0.00	NG	0.00
63	TETRAHYDROTHIOPHENE	19.22	64	1.079	0.00	NG	0.00
64	OCTANE	19.62	151	3.172	0.00	NG	0.00
65	1,2-DIBROMOETHANE	0.00	0	0.538	0.00	NG	0.00
66	TETRACHLOROETHENE	0.00	0	0.415	0.00	NG	0.00
67	CHLOROBENZENE	21.13	231	1.441	0.01	NG	0.00
68	ETHYLBENZENE	22.06	100	0.879	0.01	NG	0.00
69	m & p - XYLENES	22.09	122	1.140	0.01	NG	0.00
70	BROMOFORM	0.00	0	0.385	0.00	NG	0.00
71	STYRENE	0.00	0	1.708	0.00	NG	0.00
72	2-BUTOXYETHANOL	23.16	70	2.180	0.00	NG	0.00
73	1,1,2,2-TETRACHLOROETHANE	0.00	0	1.076	0.00	NG	0.00
74	NONANE	23.06	151	2.929	0.00	NG	0.00
75	o - XYLENE	22.94	66	1.063	0.01	NG	0.00
76	CUMENE	23.88	159	2.400	0.01	NG	0.00
77	1-HEPTANOL	0.00	0	0.218	0.00	NG	0.00
78	4-ETHYLTOLUENE	25.13	105	2.864	0.00	NG	0.00
79	a-PINENE	24.82	67	1.583	0.00	NG	0.00
80	bis-(2-CHLOROETHYL) ETHER	24.82	67	0.785	0.01	NG	0.00
81	1,3,5-TRIMETHYLBENZENE	25.20	143	2.091	0.01	NG	0.00
82	n-DECANE	26.12	402	2.596	0.01	NG	0.00
83	beta-PINENE	0.00	0	1.376	0.00	NG	0.00
84	1,2,4-TRIMETHYLBENZENE	26.13	127	2.072	0.00	NG	0.00
85	BROMOFLUOROBENZENE	23.66	120643	0.213	46.08	NG	**
86	BENZYL CHLORIDE	26.22	78	1.632	0.00	NG	0.00
87	1,3-DICHLOROBENZENE	26.55	62	0.889	0.01	NG	0.00

TO-14 RESULTS (PAGE 3 OF 3)

File	C:\HPCHEM\1\DATA\S110397\11039704.D
Operator	CJC
Date	3 Nov 97 10:53 am
Sample	METHOD BLANK (S10299701/TO-14/1.0 L)
Conditions	5989A/ENTECH 7000

CPD #	Compound	RRT(L)	Area	RRF	Amount	Units	PPB(V)
88	2-ETHYL-1-HEXANOL	26.30	63	0.340	0.02	NG	0.00
89	1,4-DICHLOROBENZENE	26.55	62	1.028	0.00	NG	0.00
90	d-LIMONENE	27.17	70	1.031	0.01	NG	0.00
91	1,2-DICHLOROBENZENE	27.28	71	0.857	0.01	NG	0.00
92	1-NONANOL	31.08	470	0.335	0.11	NG	0.02
93	1,2-DIBROMO-3-CHLOROPROPA	0.00	0	0.339	0.00	NG	0.00
94	NONANAL	28.40	79	0.286	0.02	NG	0.00
95	n-UNDECANE	28.74	2374	2.246	0.09	NG	0.01
96	n-DODECANE	30.82	70	1.945	0.00	NG	0.00
97	1,2,4-TRICHLOROBENZENE	30.97	62	0.472	0.01	NG	0.00
98	NAPHTHALENE	31.36	148	1.518	0.01	NG	0.00
99	HEXACHLOROBUTADIENE	31.93	336	0.296	0.09	NG	0.01

SURROGATE SPIKE RECOVERY RESULTS

Performance Analytical Inc.
Air Quality Laboratory

SURROGATE SPIKE RECOVERY RESULTS

Client : VOC Analytical

Client Project ID : 50046
PAI Job ID : P9704133

Test Code: GC/MS EPA TO-14
Analyst: Chris Casteel
Instrument ID: HP 5989A/Entech 7000

Matrix : Summa Canisters
Date Received : 10/20/97
Date Analyzed : 11/3/97

Client Sample ID	PAI Sample ID	1,2-DICHLORO-ETHANE-D4	Percent Recovery TOLUENE-D8	BROMOFLUORO-BENZENE
N/A	MB (11/3/97)	95.6	101	92.2
G97-10-363-1	P9704133-001	80.9	94.7	107

Verified by: RC Date: 11/7/97

20954 Osborne Street, Canoga Park [illegible] • Phone [illegible] • Fax [illegible]

QCCS RESULTS

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF QCCS

Client : VOA Analytical

Client Project ID : 50046
PAI Project ID : P9704133

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

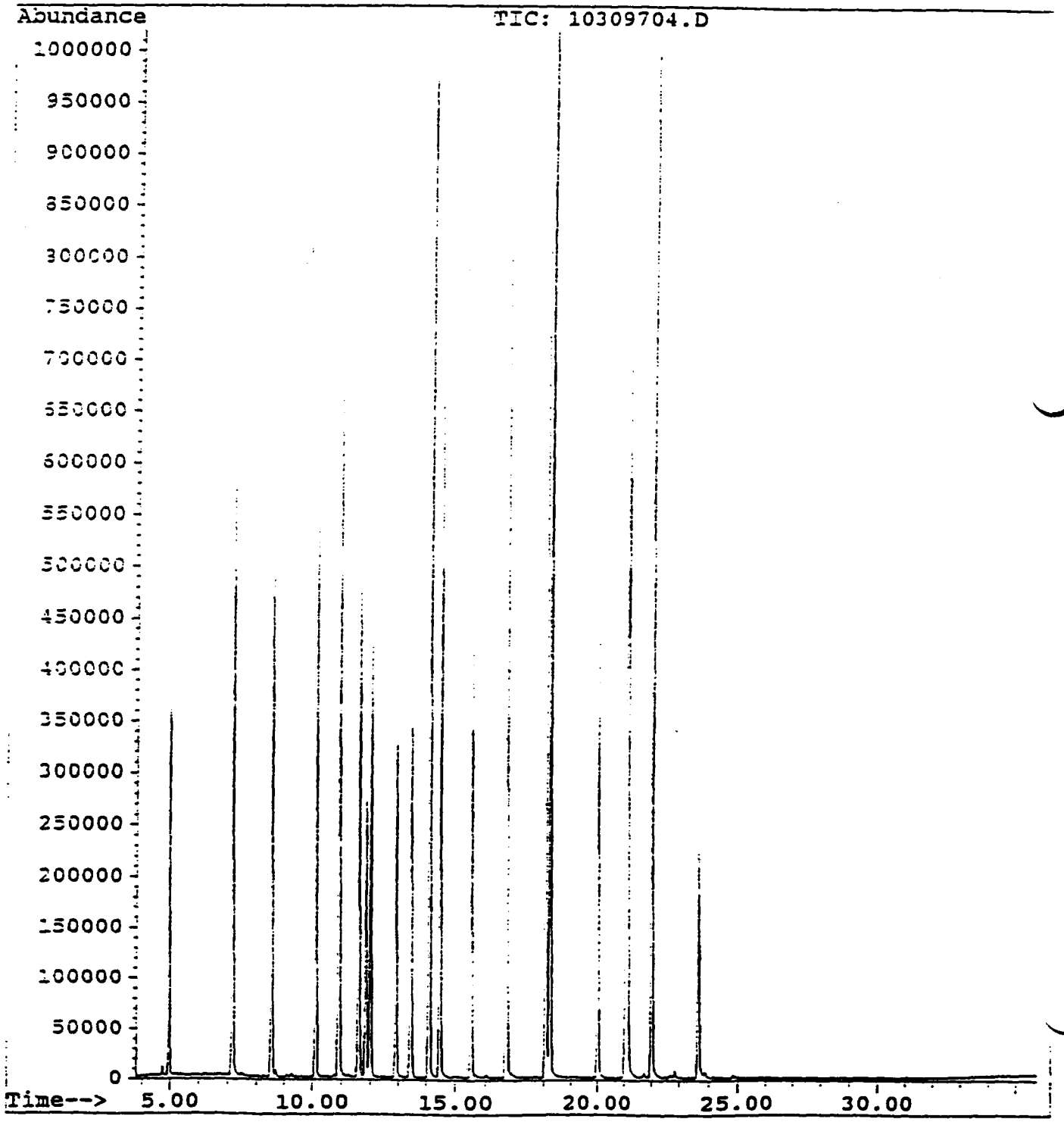
Date Sampled : N/A
Date Received : N/A
Date Analyzed : 10/30/97
Volume(s) Analyzed : 0.250 (Liters)

CAS #	COMPOUND	AMOUNT SPIKED (NG)	AMOUNT RECOVERED (NG)	% DIFF.
67-64-1	ACETONE	50.0	53.1	6.26
75-35-4	1,1-DICHLOROETHENE	50.0	54.6	9.14
156-60-5	trans-1,2-DICHLOROETHENE	50.0	52.1	4.10
156-59-2	cis-1,2-DICHLOROETHENE	50.0	50.8	1.66
78-93-3	2-BUTANONE	50.0	53.2	6.46
71-55-6	1,1,1-TRICHLOROETHANE	50.0	50.6	1.12
71.43-2	BENZENE	50.0	48.3	-3.40
79-01-6	TRICHLOROETHENE	50.0	44.8	-10.44
108-10-1	4-METHYL-2-PENTANONE	50.0	46.6	-6.88
108-88-3	TOLUENE	50.0	49.5	-1.00
127-18-4	TETRACHLOROETHENE	50.0	40.3	-19.32
108-90-7	CHLOROBENZENE	50.0	42.2	-15.68
1330-20-7	m & p - XYLENES	50.0	43.3	-13.46

Verified by: SG Date: 11/7/97

22054 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

File : C:\HPCHEM\1\DATA\S103097\10309704.D
Operator : CJC
Acquired : 30 Oct 97 9:40 am using AcqMethod FCTO14B
Instrument : 5989 - In
Sample Name: 50 NG QCCS (S10299701/S07299701)
Misc Info :
Vial Number: 1



TO-14 RESULTS (PAGE 1 OF 3)

File	C:\HPCHEM\1\DATA\S103097\10309704.D
Operator	CJC
Date	30 Oct 97 9:40 am
Sample	50 NG QCCS (S10299701/S07299701)
Conditions	5989A/ENTECH 7000

CPD #	Compound	RRT(L)	Area	RRF	Amount	Units	PPS(V)
1	BROMOCHLOROMETHANE	11.34	138839	1.000	50.00	NG	**
2	PROPENE	3.99	64	9.986	0.00	NG	0.00
3	DICHLORODIFLUOROMETHANE	0.00	0	4.404	0.00	NG	0.00
4	CHLOROMETHANE	4.59	77	5.087	0.01	NG	0.00
5	DICHLOROTETRAFLUOROETHA	0.00	0	3.341	0.00	NG	0.00
6	VINYL CHLORIDE	4.97	515357	4.879	46.42	NG	17.92
7	1,3-BUTADIENE	0.00	0	5.514	0.00	NG	0.00
8	BROMOMETHANE	5.94	122	2.231	0.02	NG	0.00
9	CHLOROETHANE	6.13	240	2.381	0.05	NG	0.01
10	ETHANOL	6.27	4757	3.251	0.53	NG	0.28
11	ACETONITRILE	6.71	3157	3.308	0.12	NG	0.08
12	ACROLEIN	6.95	291	2.364	0.04	NG	0.02
13	ACETONE	7.16	426303	2.390	60.13	NG	22.40
14	PROPYLENE OXIDE	0.00	0	2.167	0.00	NG	0.00
15	TRICHLOROFLUOROMETHANE	0.00	0	2.374	0.00	NG	0.00
16	ISOPROPYL ALCOHOL	7.52	2392	10.085	0.10	NG	0.04
17	ACRYLONITRILE	7.86	1308	3.081	0.11	NG	0.05
18	tert-BUTANOL	8.56	25687	7.347	1.78	NG	0.39
19	1,1-DICHLOROETHENE	8.55	744458	4.313	84.57	NG	13.90
20	METHYLENE CHLORIDE	8.70	3944	5.172	0.92	NG	0.18
21	ALLYL CHLORIDE	0.00	0	1.363	0.00	NG	0.00
22	TRICHLOROTRIFLUOROETHANE	9.10	2827	2.581	0.28	NG	0.05
23	CARBON DISULFIDE	9.29	7605	11.293	0.34	NG	0.08
24	trans-1,2-DICHLOROETHENE	10.12	586025	4.748	62.35	NG	10.26
25	1,1-DICHLOROETHANE	0.00	0	5.783	0.00	NG	0.00
26	cis-1,2-DICHLOROETHENE	11.59	514783	4.255	60.33	NG	12.95
27	t-BUTYL METHYL ETHER	10.45	392	3.712	0.32	NG	0.00
28	VINYL ACETATE	0.00	0	16.311	1.00	NG	0.00
29	2-BUTANONE	10.91	1973978	13.356	83.23	NG	18.08
30	3-METHYL PENTANE	0.00	0	3.377	0.00	NG	0.00
31	ETHYL ACETATE	11.78	586	14.026	0.32	NG	0.00
32	n-HEXANE	11.35	5476	5.979	0.28	NG	0.08
33	CHLOROFORM	11.99	848647	4.417	52.88	NG	10.96
34	2-METHYL-1-PROPANOL	12.36	327	6.165	0.02	NG	0.01
35	1,2-DICHLOROETHANE-D4	12.90	458403	2.385	57.23	NG	**
36	1,2-DICHLOROETHANE	0.00	0	4.053	0.00	NG	0.00
37	1,4-DIFLUOROBENZENE	14.47	386859	1.000	50.00	NG	**
38	1,1,1-TRICHLOROETHANE	13.43	481013	0.482	50.56	NG	9.37
39	1-BUTANOL	13.78	80	0.585	0.01	NG	0.00
40	BENZENE	14.09	1763955	1.350	48.30	NG	15.15
41	CARBON TETRACHLORIDE	0.00	0	0.398	0.00	NG	0.00
42	VALERALDEHYDE (PENTANAL)	14.89	168	1.154	0.01	NG	0.00
43	1,2-DICHLOROPROPANE	15.17	74	0.526	0.01	NG	0.00
44	1,4-DIOXANE	0.00	0	0.330	0.00	NG	0.00

File	C:\HPCHEM\1\DATA\S103097\10309704.D
Operator	CJC
Date	30 Oct 97 9:40 am
Sample	50 NG QCCS (S10299701/S07299701)
Conditions	5989A/ENTECH 7000

CPD #	Compound	RRT	Area	RRF	Amount	Units	
45	BROMODICHLOROMETHANE	15.54	4273	0.519	2.42	NG	0.06
46	TRICHLOROETHENE	15.54	315188	0.357	44.78	NG	8.42
47	EPICHLOROHYDRIN	15.53	54377	0.086	22.37	NG	8.61
48	METHYL METHACRYLATE	15.84	539	1.042	0.33	NG	0.01
49	HEPTANE	15.34	377	1.396	0.31	NG	0.00
50	cis-1,3-DICHLOROPROPENE	16.06	35	0.718	0.00	NG	0.00
51	4-METHYL-2-PENTANONE	16.70	1662729	1.309	46.56	NG	11.39
52	DIMETHYL DISULFIDE	0.00	0	0.758	0.00	NG	0.00
53	trans-1,3-DICHLOROPROPENE	0.00	0	0.575	0.00	NG	0.00
54	1,1,2-TRICHLOROETHANE	18.09	23941	0.259	3.38	NG	0.83
55	CHLOROBENZENE-D5	21.04	834348	1.000	50.00	NG	**
56	TOLUENE-D8	18.07	1115772	1.721	51.07	NG	**
57	1,3-DICHLOROPROPANE	18.23	3527	1.296	0.48	NG	0.09
58	TOLUENE	18.23	1569052	2.496	49.50	NG	13.16
59	2-HEXANONE	18.45	333	2.529	3.22	NG	0.01
60	HEXANAL	18.37	1268	0.964	2.40	NG	0.03
61	DIBROMOCHLOROMETHANE	0.00	0	0.537	0.00	NG	0.00
62	BUTYL ACETATE	19.37	351	3.276	1.01	NG	0.00
63	TETRAHYDROTHIOPHENE	19.58	106	1.053	0.01	NG	0.00
64	OCTANE	19.50	524	0.158	0.01	NG	0.00
65	1,2-DIBROMOETHANE	0.00	0	0.592	0.00	NG	0.00
66	TETRACHLOROETHENE	20.01	224359	0.438	40.24	NG	8.02
67	CHLOROBENZENE	21.11	309572	1.512	42.16	NG	9.21
68	ETHYLBENZENE	22.00	625122	0.375	58.28	NG	12.99
69	m & p - XYLENES	22.90	527635	1.142	43.27	NG	9.38
70	BROMOFORM	0.00	0	0.394	0.00	NG	0.00
71	STYRENE	22.36	4240	1.701	0.20	NG	0.05
72	2-BUTOXYETHANOL	23.05	329	2.186	0.01	NG	0.00
73	1,1,2,2-TETRACHLOROETHANE	22.74	167	1.055	0.01	NG	0.00
74	NONANE	23.01	212	2.394	0.01	NG	0.00
75	o - XYLENE	22.83	3878	1.056	0.29	NG	0.07
76	CUMENE	23.37	5450	2.362	0.22	NG	0.04
77	1-HEPTANOL	24.54	38	0.221	0.03	NG	0.01
78	4-ETHYLTOLUENE	25.14	71	2.764	0.00	NG	0.00
79	a-PINENE	24.82	57	1.574	0.00	NG	0.00
80	bis-(2-CHLOROETHYL) ETHER	24.82	57	0.824	0.01	NG	0.00
81	1,2,3-TRIMETHYLBENZENE	25.14	71	2.067	0.00	NG	0.00
82	n-DECANE	25.12	1360	2.566	0.04	NG	0.01
83	beta-PINENE	0.00	0	1.362	0.00	NG	0.00
84	1,2,4-TRIMETHYLBENZENE	26.12	79	2.051	0.00	NG	0.00
85	BROMOFLUOROBENZENE	23.64	130857	0.222	46.46	NG	**
86	BENZYL CHLORIDE	26.19	64	1.604	0.00	NG	0.00
87	1,3-DICHLOROBENZENE	0.00	0	0.895	0.00	NG	0.00

TO-14 RESULTS (PAGE 3 OF 3)

File	C:\HPCHEM\1\DATA\S103097\10309704.D
Operator	CJC
Date	30 Oct 97 9:40 am
Sample	50 NG QCCS (S10299701/S07299701)
Conditions	5989A/ENTECH 7000

CPD

#	Compound	RRT(L)	Area	RRF	Amount	Units	PPS(V)
88	2-ETHYL-1-HEXANOL	26.22	174	0.326	0.04	NG	0.01
89	1,4-DICHLOROBENZENE	0.00	0	1.031	0.00	NG	0.00
90	d-LIMONENE	0.00	0	1.004	0.00	NG	0.00
91	1,2-DICHLOROBENZENE	0.00	0	0.867	0.00	NG	0.00
92	1-NONANOL	0.00	0	0.319	0.00	NG	0.00
93	1,2-DIBROMO-3-CHLOROPROPA	0.00	0	0.341	0.00	NG	0.00
94	NONANAL	0.00	0	0.330	0.00	NG	0.00
95	n-UNDECANE	0.00	0	2.207	0.00	NG	0.00
96	n-DODECANE	0.00	0	1.396	0.00	NG	0.00
97	1,2,4-TRICHLOROBENZENE	0.00	0	0.480	0.00	NG	0.00
98	NAPHTHALENE	0.00	0	1.485	0.00	NG	0.00
99	HEXACHLOROBUTADIENE	0.00	0	0.297	0.00	NG	0.00

INITIAL CALIBRATION STANDARDS

TO-14 INITIAL/CONTINUING CALIBRATION RESULTS

FULLCR.XLS

Cont. Cal. Date: 29 Oct 97 2:40 pm
Cont. Cal. File: C:\HPCHEM\1\DATA\S10299710\10299709.D
Operator: CJC
Date: 29 Oct 97 2:40 pm
Sample: 50 NG TO-14 STD (S10299701/S10299702)
Inst. ID: HP 5989A/ENTECH 7000

NG	Filename
50	10299709.D
5	10299712.D
10	10299711.D
20	10299710.D
75	10299708.D
100	10299707.D

CPD		Initial Calibration									Continuing Calibration			
#	Compound	5	10	20	50	75	100	AVE RR	SD	%RSD	CC AREA	CC RRF	D	%
1	BROMOCHLOROMETHANE	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.00	154914	1.000	0.000	
2	PROPENE	11.101	10.252	10.114	10.176	9.866	10.189	10.283	0.423	4.11	1062446	10.176	-0.108	-1
3	DICHLORODIFLUOROMETHANE	3.913	3.547	3.477	3.452	3.508	3.580	3.563	0.131	3.67	1049281	3.452	-0.110	-3
4	CHLOROMETHANE	5.369	5.366	5.069	5.014	4.774	5.013	5.201	0.421	8.10	852444	5.014	-0.187	-3
5	DICHLOROTETRAFLUOROETHA	3.551	3.165	3.044	2.948	2.756	2.855	3.053	0.293	9.25	1282469	2.948	-0.105	-3.
6	VINYL CHLORIDE	5.164	4.313	4.573	4.409	4.190	4.442	4.598	0.344	7.49	883070	4.409	-0.189	-4.
7	1,3-BUTADIENE	5.875	5.291	5.126	5.093	4.859	5.047	5.215	0.352	6.75	724275	5.093	-0.122	-2.
8	BROMOMETHANE	2.424	2.199	2.083	2.009	1.904	1.977	2.099	0.198	9.37	454319	2.009	-0.091	-4.
9	CHLOROETHANE	3.252	2.973	2.806	2.656	2.503	2.586	2.901	0.273	9.74	452633	2.656	-0.145	-5.
10	ETHANOL	3.607	3.497	3.007	3.032	2.795	2.745	3.164	0.362	11.44	469766	3.032	-0.131	-4.
11	ACETONITRILE	10.151	9.443	9.384	8.729	8.094	8.509	9.018	0.865	9.59	1252152	8.729	-0.290	-3.
12	ACROLEIN	2.350	2.315	2.513	2.505	2.376	2.431	2.548	0.169	6.62	388034	2.505	-0.040	-1
13	ACETONE	3.033	3.026	2.940	2.708	2.367	2.557	2.877	0.252	8.77	424160	2.708	-0.169	-6.
14	PROPYLENE OXIDE	3.400	3.203	3.093	1.935	1.367	1.357	2.064	0.825	39.98	299807	1.935	-0.129	-6.
15	TRICHLOROFLUOROMETHANE	3.561	3.561	3.481	3.049	3.246	3.295	3.401	0.484	18.39	300583	3.049	-0.251	-8.
16	ISOPROPYL ALCOHOL	12.085	10.603	10.089	9.650	8.925	9.513	9.983	1.233	12.35	1494895	9.650	-0.004	-3.
17	ACRYLONITRILE	7.190	6.043	5.707	5.700	5.313	5.349	5.906	0.805	10.08	387567	5.700	-0.275	-4.
18	tert-BUTANOL	3.498	3.212	7.004	3.159	7.259	5.382	7.704	3.868	3.67	1255498	3.159	0.465	8.
19	1,1-DICHLOROETHENE	5.083	5.039	4.500	4.711	4.475	4.489	4.766	0.372	7.80	729792	4.711	-0.055	-1.
20	METHYLENE CHLORIDE	5.408	5.532	5.220	5.039	4.338	4.387	5.037	0.598	11.20	780582	5.039	-0.299	-5.
21	ALLYL CHLORIDE	1.311	1.300	1.385	1.363	1.792	1.313	1.361	0.048	3.59	298570	1.363	0.002	0.
22	TRICHLOROTRIFLUOROETHANE	2.089	2.754	2.867	2.500	2.494	2.457	2.560	0.136	7.02	1216604	2.500	-0.060	-2.
23	CARBON DISULFIDE	10.357	11.391	11.070	11.290	10.396	11.077	11.362	0.683	6.31	1747484	11.290	-0.292	-2.
24	trans-1,2-DICHLOROETHENE	5.041	4.394	4.893	4.858	4.511	4.515	4.719	0.211	4.48	721559	4.858	-0.061	-1.
25	1,1-DICHLOROETHANE	3.708	3.291	3.073	3.703	3.481	3.540	3.965	0.479	3.03	383409	3.703	-0.262	-4.
26	cis-1,2-DICHLOROETHENE	4.707	4.513	4.057	4.311	4.108	4.157	4.064	0.219	4.39	667913	4.311	-0.053	-1.
27	t-BUTYL METHYL ETHER	3.205	3.348	3.386	3.380	3.503	3.501	3.775	0.242	2.76	1044616	3.380	-0.095	-1.
28	VINYL ACETATE	17.104	15.725	15.847	15.325	15.281	15.257	15.811	0.928	1.36	2575503	15.325	0.014	0.
29	2-BUTANONE	14.052	13.313	13.572	12.564	13.255	13.000	13.375	0.410	3.00	2116726	12.564	-0.012	-0.
30	3-METHYL PENTANE	9.061	9.056	9.096	9.127	8.304	8.980	9.071	0.193	2.02	1413929	9.127	0.057	0.
31	ETHYL ACETATE	15.487	14.598	14.561	14.545	13.907	14.424	14.904	0.510	3.49	2258696	14.545	0.041	0.
32	n-HEXANE	7.580	7.201	7.168	6.970	6.828	6.971	7.108	0.291	3.96	1079767	6.970	-0.108	-1.
33	CHLOROFORM	4.324	4.348	4.408	4.236	4.003	4.020	4.273	0.264	6.31	656248	4.236	-0.137	-3.
34	2-METHYL-1-PROPANOL	5.425	5.815	3.872	5.622	5.478	5.090	5.160	0.892	11.04	1025880	5.622	0.462	7.
35	1,2-DICHLOROETHANE-D4	2.051	2.360	2.324	2.755	2.510	2.541	2.312	0.131	5.42	428777	2.755	-0.057	**
36	1,2-DICHLOROETHANE	4.572	4.265	3.981	3.790	3.503	3.534	3.991	0.414	10.08	587130	3.790	-0.201	-5.
37	1,4-DIFLUOROBENZENE	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.00	1043245	1.000	0.000	0.
38	1,1,1-TRICHLOROETHANE	0.485	0.447	0.446	0.427	0.424	0.433	0.444	0.023	5.08	445286	0.427	-0.017	-3.
39	1-BUTANOL	0.572	0.643	0.702	0.647	0.443	0.373	0.563	0.129	22.89	674936	0.647	0.084	14.
40	BENZENE	1.844	1.794	1.757	1.759	1.788	1.858	1.900	0.043	2.27	1836067	1.759	-0.041	-2.
41	CARBON TETRACHLORIDE	0.386	0.367	0.354	0.344	0.343	0.355	0.358	0.016	4.48	358793	0.344	-0.014	-3.
42	VALERALDEHYDE (PENTANAL)	1.055	1.097	1.101	1.125	1.149	1.178	1.118	0.040	3.57	1173983	1.125	0.008	0.
43	1,2-DICHLOROPROPANE	0.553	0.530	0.521	0.505	0.506	0.511	0.521	0.019	3.53	526959	0.505	-0.016	-3.
44	1,4-DIOXANE	0.307	0.312	0.323	0.314	0.304	0.301	0.310	0.008	2.63	327795	0.314	0.004	1.
45	BROMODICHLOROMETHANE	0.530	0.510	0.483	0.466	0.460	0.467	0.486	0.028	5.83	485328	0.466	-0.021	-4.
46	TRICHLOROETHENE	0.352	0.352	0.348	0.341	0.338	0.345	0.346	0.006	1.64	355976	0.341	-0.005	-1.
47	EPICHLOROHYDRIN	0.084	0.090	0.081	0.085	0.082	0.086	0.085	0.003	3.71	88613	0.085	0.000	0.
48	METHYL METHACRYLATE	0.955	0.997	1.001	1.017	1.013	1.049	1.005	0.031	3.06	1060488	1.017	0.011	1.
49	HEPTANE	1.383	1.373	1.363	1.393	1.395	1.436	1.390	0.025	1.82	1453378	1.393	0.003	0.
50	cis-1,3-DICHLOROPROPENE	0.657	0.584	0.674	0.677	0.674	0.690	0.676	0.011	1.64	1017271	0.677	0.001	0.
51	4-METHYL-2-PENTANONE	1.723	1.737	1.753	1.758	1.762	1.817	1.758	0.032	1.81	1833786	1.758	-0.001	-0.
52	DIMETHYL DISULFIDE	0.833	0.690	0.743	0.795	0.805	0.844	0.752	0.079	10.54	929428	0.795	0.044	5.
53	trans-1,3-DICHLOROPROPENE	0.538	0.565	0.611	0.640	0.631	0.670	0.609	0.049	8.10	947384	0.640	0.031	5.
54	1,1,2-TRICHLOROETHANE	0.351	0.344	0.336	0.338	0.338	0.347	0.342	0.006	1.77	352464	0.338	-0.005	-1.
55	CHLOROBENZENE-D5	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.00	760385	1.000	0.000	**
56	TOLUENE-D8	1.814												

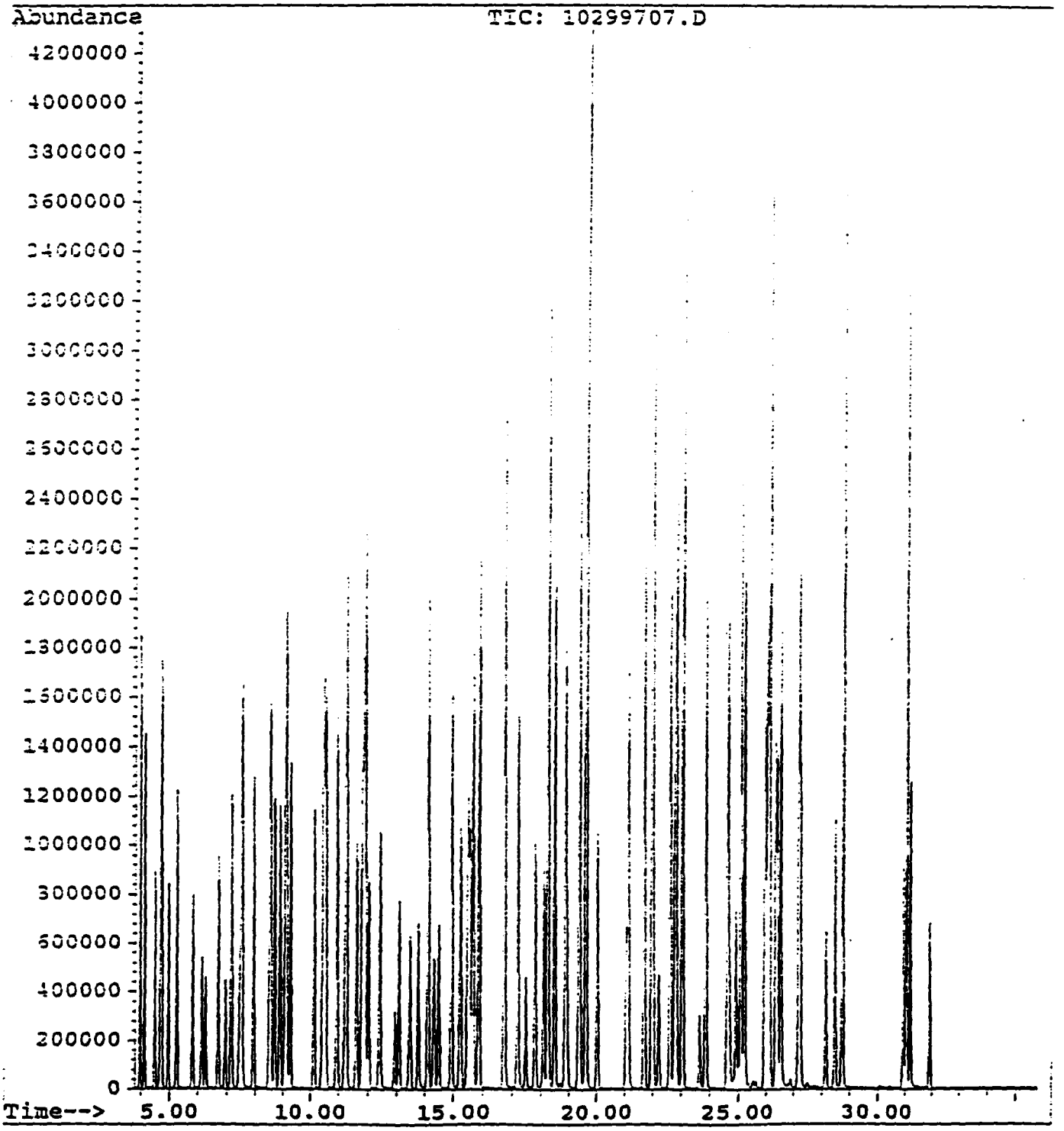
TO-14 INITIAL/CONTINUING CALIBRATION RESULTS

Cont. Cal. Date: 29 Oct 97 2:40 pm
Cont. Cal. File: C:\HPCHEM\1\DATA\S102997\10299709.D
Operator: CJC
Date: 29 Oct 97 2:40 pm
Sample: 50 NG TO-14 STD (S10299701/S10299702)
Inst. ID: HP 5989A/ENTECH 7000

NG	Filename
50	10299709.D
5	10299712.D
10	10299711.D
20	10299710.D
75	10299708.D
100	10299707.D

CPD		Initial Calibration									Continuing Calibration			
#	Compound	5	10	20	50	75	100	AVE RR	SD	%RSD	CC AREA	CC RRF	D	%D
58	TOLUENE	2.266	2.167	2.227	2.208	2.241	2.279	2.231	0.041	1.83	1578892	2.208	-0.023	-1..
59	2-HEXANONE	2.054	2.192	2.258	2.330	2.378	2.471	2.279	0.148	6.49	1772046	2.330	0.052	2..
60	HEXANAL	0.768	0.797	0.841	0.874	0.868	0.899	0.841	0.050	5.92	564258	0.874	0.032	3.8
61	DIBROMOCHLOROMETHANE	0.501	0.462	0.467	0.454	0.453	0.460	0.467	0.013	2.82	345014	0.454	-0.013	-2.7
62	BUTYL ACETATE	2.406	2.582	2.761	2.935	2.918	3.033	2.772	0.209	8.52	2201553	2.905	0.133	5.1
63	TETRAHYDROTHIOPHENE	0.395	0.379	0.926	0.943	0.950	0.959	0.925	0.032	3.49	718936	0.943	0.018	1.9
64	OCTANE	0.808	0.798	2.828	0.798	0.789	0.823	2.844	0.097	3.39	2119621	2.798	-0.057	-1.9
65	1,2-DIBROMOETHANE	0.525	0.509	0.514	0.506	0.512	0.520	0.515	0.007	1.44	385053	0.506	-0.008	-1.5
66	TETRACHLOROETHENE	0.292	0.278	0.292	0.277	0.279	0.282	0.282	0.009	3.25	291950	0.277	-0.011	-3.8
67	CHLOROBENZENE	1.087	1.050	1.042	1.051	1.046	1.075	1.055	0.022	1.80	1027097	1.051	-0.004	-0.3
68	ETHYLBENZENE	0.704	0.709	0.756	0.769	0.771	0.792	0.758	0.024	3.13	564591	0.769	0.010	1.3
69	m & p - XYLENES	0.398	0.387	0.384	0.381	0.392	1.017	0.390	0.017	1.70	1481852	0.381	-0.009	-2.3
70	BROMOFORM	0.251	0.206	0.237	0.247	0.248	0.251	0.244	0.007	1.38	260685	0.247	0.002	
71	STYRENE	1.295	1.270	1.466	1.489	1.531	1.585	1.456	0.107	7.36	1109587	1.489	0.040	2.8
72	2-BUTOXYETHANOL	1.062	1.059	1.042	1.062	1.058	1.000	1.980	0.044	2.25	1492111	1.062	-0.018	-0.9
73	1,1,2,2-TETRACHLOROETHANE	1.022	0.982	0.944	0.925	0.902	0.944	0.958	0.037	3.87	700041	0.925	-0.034	-3.5
74	NONANE	2.794	2.582	2.804	2.801	2.825	2.588	2.549	0.080	3.02	1977721	2.801	-0.048	-1.8
75	o - XYLENE	0.959	0.927	0.928	0.922	0.920	0.936	0.932	0.014	1.49	700911	0.922	-0.011	-1.1
76	CUMENE	2.048	2.047	2.078	2.076	2.102	2.148	2.083	0.038	1.83	1578481	2.076	-0.007	-0.3
77	1-HEPTANOL	0.196	0.274	0.266	0.287	0.168	0.140	0.255	0.104	40.88	294214	0.287	0.132	51.7
78	4-ETHYLTOLUENE	2.464	2.407	2.483	2.469	2.502	2.542	2.432	0.036	1.45	1877117	2.469	-0.014	-0.5
79	a-PINENE	1.279	1.208	1.230	1.257	1.249	1.293	1.206	0.040	3.01	1031794	1.257	0.021	1.7
80	bis-(2-CHLOROETHYL) ETHER	0.671	0.692	0.750	0.772	0.766	0.812	0.894	0.059	8.46	586752	0.772	0.078	11.2
81	1,3,5-TRIMETHYLBENZENE	1.393	1.348	1.332	1.306	1.342	1.375	1.849	0.031	1.67	1073153	1.306	-0.043	-2.5
82	n-DECANE	2.524	2.267	2.336	2.291	2.321	2.394	2.372	0.083	3.48	1742034	2.291	-0.081	-3.4
83	beta-PINENE	1.129	1.098	1.168	1.156	1.178	1.207	1.156	0.038	3.32	979000	1.156	0.000	0.0
84	1,2,4-TRIMETHYLBENZENE	1.363	1.312	1.346	1.778	1.313	1.304	1.342	0.064	3.46	1052062	1.778	-0.064	-2.4
85	BROMOFLUOROBENZENE	0.208	0.240	0.241	0.237	0.224	0.232	0.237	0.004	1.53	190587	0.237	0.001	**
86	BENZYL CHLORIDE	1.206	1.241	1.310	1.418	1.451	1.317	1.057	0.124	3.12	1073061	1.418	0.361	4.4
87	1,3-DICHLOROBENZENE	0.834	0.798	0.783	0.771	0.772	0.779	0.789	0.024	3.01	586575	0.771	-0.018	-2.2
88	2-ETHYL-1-HEXANOL	0.388	0.460	0.548	0.604	0.281	0.257	0.425	0.138	32.59	458971	0.604	0.179	42.0
89	1,4-DICHLOROBENZENE	0.972	0.921	0.910	0.876	0.878	0.889	0.908	0.036	4.01	666782	0.876	-0.032	-3.5
90	d-LIMONENE	0.998	0.901	0.909	0.912	0.926	0.936	0.914	0.015	1.59	693178	0.912	-0.002	-0.2
91	1,2-DICHLOROBENZENE	0.953	0.915	0.784	0.743	0.750	0.755	0.784	0.043	5.54	564904	0.743	-0.041	-5.2
92	1-NONANOL	0.376	0.248	0.214	0.296	0.271	0.267	0.310	0.044	14.20	217843	0.296	-0.024	-7.7
93	1,2-DIBROMO-3-CHLOROPROPA	0.320	0.322	0.326	0.303	0.302	0.311	0.314	0.010	3.25	230408	0.303	-0.011	-3.4
94	NONANAL	0.203	0.254	0.295	0.309	0.311	0.321	0.281	0.045	16.01	235223	0.309	0.029	10.2
95	n-UNDECANE	2.210	2.100	2.080	1.987	1.996	2.054	2.071	0.082	3.94	1510964	1.987	-0.084	-4.0
96	n-DODECANE	2.019	1.901	1.797	1.736	1.567	1.545	1.794	0.144	8.03	1319721	1.736	-0.058	-3.2
97	1,2,4-TRICHLOROBENZENE	0.427	0.461	0.446	0.426	0.417	0.421	0.433	0.017	3.95	323746	0.426	-0.007	-1.5
98	NAPHTHALENE	1.400	1.435	1.409	1.342	1.309	1.334	1.371	0.050	3.64	1020641	1.342	-0.029	-2.1
99	HEXACHLOROBUTADIENE	0.309	0.272	0.267	0.249	0.248	0.252	0.266	0.023	8.68	189330	0.249	-0.017	-6..

File : C:\HPCHEM\1\DATA\S102997\10299707.D
Operator : CJC
Acquired : 29 Oct 97 12:43 pm using AcqMethod FCTO14B
Instrument : 5989 - In
Sample Name: 100 NG TO-14 STD (S10299701/S10299702)
Misc Info :
Vial Number: 2



File	C:\HPCHEM\1\DATA\S102997\10299707.D
Operator	CJC
Date	29 Oct 97 12:43 pm
Sample	100 NG TO-14 STD (S10299701/S10299702)
Conditions	5989A/ENTECH 7000

CPD

#	Compound	RRT(L)	Area	RRF	Amount	Units	PPS(V)
1	BROMOCHLOROMETHANE	11.85	161142	1.000	50.00	NG	**
2	PROPENE	3.97	2213333	10.176	87.49	NG	39.31
3	DICHLORODIFLUOROMETHANE	4.13	2253503	3.452	203.44	NG	41.47
4	CHLOROMETHANE	4.48	1057233	5.014	33.99	NG	41.09
5	DICHLOROTETRAFLUOROETHA	4.69	2583425	2.948	271.99	NG	39.12
6	VINYL CHLORIDE	4.97	1431503	4.409	100.73	NG	39.74
7	1,3-BUTADIENE	5.26	1493065	5.093	30.96	NG	41.20
8	BROMOMETHANE	5.31	930218	2.009	143.69	NG	37.39
9	CHLOROETHANE	5.14	816681	2.356	107.08	NG	40.93
10	ETHANOL	5.28	884787	3.032	80.53	NG	48.14
11	ACETONITRILE	5.72	2742023	3.729	97.49	NG	88.16
12	ACROLEIN	5.96	730025	2.305	97.03	NG	42.38
13	ACETONE	7.17	956209	2.708	97.03	NG	40.92
14	PROPYLENE OXIDE	7.45	898593	1.935	85.37	NG	40.47
15	TRICHLOROFLUOROMETHANE	7.61	1527295	2.049	214.35	NG	38.86
16	ISOPROPYL ALCOHOL	7.83	2745485	3.350	98.23	NG	38.39
17	ACRYLONITRILE	7.95	1385161	5.700	102.08	NG	47.11
18	tert-BUTANOL	8.33	2217319	3.169	84.24	NG	37.84
19	1,1-DICHLOROETHENE	8.55	1446825	4.711	85.29	NG	24.23
20	METHYLENE CHLORIDE	8.71	1575103	5.009	86.89	NG	28.24
21	ALLYL CHLORIDE	8.90	884426	1.863	87.05	NG	31.33
22	TRICHLOROTRIFLUOROETHANE	9.12	2091137	2.300	295.31	NG	37.52
23	CARBON DISULFIDE	9.29	3604554	11.290	89.37	NG	32.13
24	trans-1,2-DICHLOROETHENE	10.10	1453102	4.358	86.33	NG	24.70
25	1,1-DICHLOROETHANE	10.43	1735600	5.703	87.16	NG	24.25
26	cis-1,2-DICHLOROETHENE	11.31	1309671	4.311	86.43	NG	24.67
27	t-BUTYL METHYL ETHER	10.47	2772024	3.580	99.09	NG	27.54
28	VINYL ACETATE	10.55	5242406	16.525	87.34	NG	27.83
29	2-BUTANONE	10.93	4296490	13.564	97.24	NG	33.07
30	2-METHYL PENTANE	11.24	2394201	8.127	98.39	NG	27.38
31	ETHYL ACETATE	11.79	4648637	14.645	98.49	NG	27.38
32	n-HEXANE	11.88	2214515	6.970	98.58	NG	28.04
33	CHLOROFORM	12.02	1295545	4.236	84.89	NG	19.67
34	2-METHYL-1-PROPANOL	12.29	1640468	5.522	76.86	NG	25.41
35	1,2-DICHLOROETHANE-D4	12.92	425642	2.755	47.34	NG	**
36	1,2-DICHLOROETHANE	13.07	1171295	3.790	85.89	NG	23.33
37	1,4-DIFLUOROBENZENE	14.48	1027199	1.000	50.00	NG	**
38	1,1,1-TRICHLOROETHANE	13.46	389410	0.427	101.43	NG	13.80
39	1-BUTANOL	13.76	766851	0.847	87.70	NG	19.07
40	BENZENE	14.11	3817660	1.759	105.64	NG	33.13
41	CARBON TETRACHLORIDE	14.32	728553	0.344	103.11	NG	16.59
42	VALERALDEHYDE (PENTANAL)	14.93	2420252	1.125	104.69	NG	29.78
43	1,2-DICHLOROPROPANE	15.24	1050760	0.505	101.26	NG	22.11
44	1,4-DIOXANE	15.48	818044	0.314	95.75	NG	26.61

File	C:\HPCHEM\1\DATA\S102997\10299707.D
Operator	CJC
Date	29 Oct 97 12:43 pm
Sample	100 NG TO-14 STD (S10299701/S10299702)
Conditions	5989A/ENTECH 7000

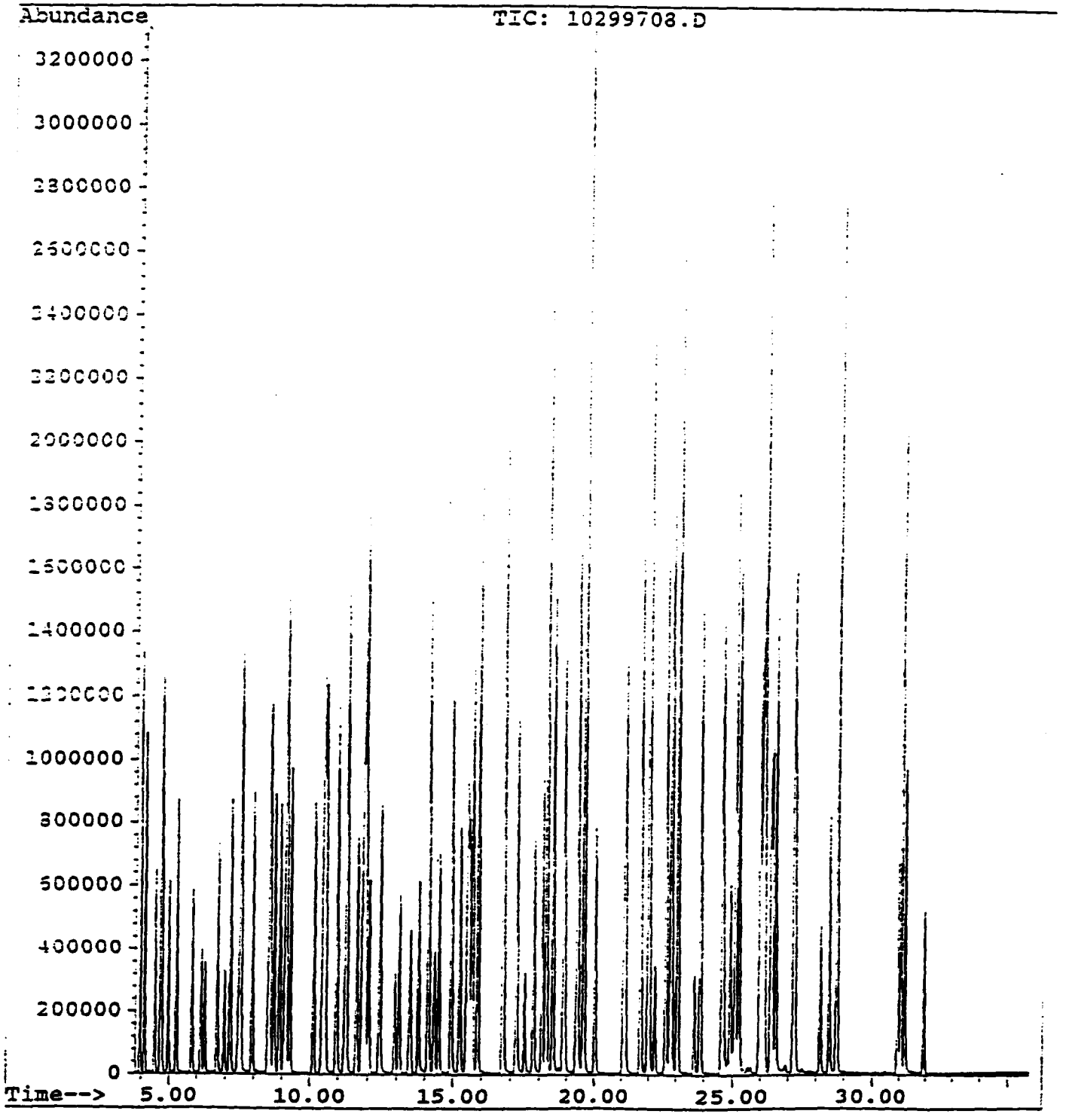
CPD #	Compound	RRT	Area	RRF	Amount	Units	
45	BROMODICHLOROMETHANE	15.49	359184	0.465	100.36	NG	15.15
46	TRICHLOROETHENE	15.55	709693	0.341	101.24	NG	19.05
47	EPICHLOROHYDRIN	15.85	175773	0.085	100.73	NG	26.78
48	METHYL METHACRYLATE	15.36	2154271	1.017	103.16	NG	25.23
49	HEPTANE	15.36	2949585	1.393	103.06	NG	25.21
50	cis-1,3-DICHLOROPROPENE	16.74	2040856	0.877	146.70	NG	32.82
51	4-METHYL-2-PENTANONE	16.73	3702113	1.758	103.35	NG	25.28
52	DIMETHYL DISULFIDE	17.20	1704091	0.795	106.17	NG	27.33
53	trans-1,3-DICHLOROPROPENE	17.48	715513	0.340	54.29	NG	12.09
54	1,1,2-TRICHLOROETHANE	17.30	712767	0.333	102.39	NG	18.03
55	CHLOROBENZENE-D5	21.06	740834	1.000	50.00	NG	**
56	TOLUENE-D8	18.09	1138627	1.382	51.14	NG	**
57	1,3-DICHLOROPROPANE	18.24	1867723	1.119	100.31	NG	21.37
58	TOLUENE	18.25	3073908	2.208	103.19	NG	27.44
59	2-HEXANONE	18.49	2660521	2.000	106.01	NG	25.33
60	HEXANAL	18.38	1301927	0.874	102.30	NG	25.17
61	DIBROMOCHLOROMETHANE	18.33	586568	0.454	102.24	NG	12.12
62	BUTYL ACETATE	18.58	4494091	2.335	103.25	NG	21.79
63	TETRAHYDROTHIOPHENE	19.31	1420537	0.343	101.58	NG	28.26
64	OCTANE	19.32	4132322	2.788	101.27	NG	21.73
65	1,2-DIBROMOETHANE	19.54	774649	0.506	103.24	NG	10.58
66	TETRACHLOROETHENE	20.00	566661	0.371	103.14	NG	15.38
67	CHLOROBENZENE	21.13	2037486	1.351	101.30	NG	22.23
68	ETHYLBENZENE	21.71	1172811	0.769	102.96	NG	23.76
69	m & p - XYLENES	22.01	3012584	0.381	207.30	NG	47.34
70	BROMOFORM	22.23	320563	0.247	101.31	NG	8.31
71	STYRENE	22.30	2043029	1.439	105.75	NG	24.37
72	2-BUTOXYETHANOL	23.06	2960936	1.962	101.94	NG	21.13
73	1,1,2,2-TETRACHLOROETHANE	22.79	1398981	0.925	102.12	NG	15.05
74	NONANE	23.06	3982860	2.601	103.35	NG	19.75
75	o - XYLENE	22.33	1386569	0.922	101.52	NG	23.43
76	CUMENE	23.37	3182986	2.076	103.49	NG	21.09
77	1-HEPTANOL	24.39	207289	0.387	26.16	NG	7.62
78	4-ETHYLTOLUENE	25.09	3765981	2.469	102.96	NG	20.99
79	a-PINENE	24.53	2064342	1.357	102.58	NG	18.47
80	bis-2-CHLOROETHYL) ETHER	24.92	306464	0.772	79.28	NG	13.66
81	1,3,5-TRIMETHYLBENZENE	25.23	2777672	1.806	103.81	NG	21.16
82	n-DECANE	25.13	3547815	2.291	104.52	NG	18.00
83	beta-PINENE	25.97	1787775	1.156	104.38	NG	18.77
84	1,2,4-TRIMETHYLBENZENE	26.06	2716994	1.778	103.13	NG	21.02
85	BROMOFLUOROBENZENE	23.68	171534	0.237	48.75	NG	**
86	BENZYL CHLORIDE	26.35	2247305	1.418	106.98	NG	20.77
87	1,3-DICHLOROBENZENE	26.42	1153714	0.771	100.94	NG	16.91

TO-14 RESULTS (PAGE 3 OF 3)

File	C:\HPCHEM\1\DATA\S102997\10299707.D
Operator	CJC
Date	29 Oct 97 12:43 pm
Sample	100 NG TO-14 STD (S10299701/S10299702)
Conditions	5989A/ENTECH 7000

CPD #	Compound	RRT(L)	Area	RRF	Amount	Units	PPB(V)
88	2-ETHYL-1-HEXANOL	26.53	394970	0.604	44.16	NG	8.31
89	1,4-DICHLOROBENZENE	26.54	1317122	0.876	101.53	NG	17.01
90	d-LIMONENE	27.19	1386322	0.912	102.64	NG	18.46
91	1,2-DICHLOROBENZENE	27.26	1119074	0.743	101.66	NG	17.03
92	1-NONANOL	31.05	395464	0.286	93.16	NG	15.82
93	1,2-DIBROMO-3-CHLOROPROPA	28.16	460400	0.303	102.55	NG	10.72
94	NONANAL	28.47	476094	0.309	103.87	NG	17.89
95	n-UNDECANE	28.75	3042980	1.987	103.35	NG	16.21
96	n-DODECANE	31.05	2436747	1.736	94.76	NG	13.63
97	1,2,4-TRICHLOROBENZENE	30.93	823236	0.425	98.79	NG	13.43
98	NAPHTHALENE	31.20	1975916	1.242	99.26	NG	18.99
99	HEXACHLOROBUTADIENE	31.93	372780	0.249	101.35	NG	9.58

File : C:\HPCHEM\1\DATA\S102997\10299708.D
Operator : CJC
Acquired : 29 Oct 97 1:42 pm using AcqMethod FCTO14B
Instrument : 5989 - In
Sample Name: 75 NG TO-14 STD (S10299701/S10299702)
Misc Info :
Vial Number: 2



TO-14 RESULTS (PAGE 1 OF 3)

File	C:\HPCHEM\1\DATA\S102997\10299708.D
Operator	CJC
Date	29 Oct 97 1:42 pm
Sample	75 NG TO-14 STD (S10299701/S10299702)
Conditions	5989A/ENTECH 7000

CPD

#	Compound	RRT(L)	Area	RRF	Amount	Units	PPB(V)
1	BROMOCHLOROMETHANE	11.36	161119	1.000	50.00	NG	**
2	PROPENE	3.98	1607161	10.176	49.01	NG	28.55
3	DICHLORODIFLUOROMETHANE	4.14	1663329	3.452	149.52	NG	30.48
4	CHLOROMETHANE	4.49	969181	5.014	59.99	NG	29.35
5	DICHLOROTETRAFLUOROETHA	4.70	1870322	2.948	196.97	NG	29.33
6	VINYL CHLORIDE	4.98	1012741	4.409	71.28	NG	28.12
7	1,3-BUTADIENE	5.27	1077986	5.093	55.69	NG	29.75
8	BROMOMETHANE	5.32	871731	2.309	103.78	NG	27.00
9	CHLOROETHANE	5.14	870494	2.356	78.59	NG	30.07
10	ETHANOL	5.29	875605	3.032	69.14	NG	36.76
11	ACETONITRILE	5.72	2023679	3.728	72.13	NG	43.03
12	ACROLEIN	5.96	874120	2.505	71.13	NG	31.07
13	ACETONE	7.13	844470	2.703	78.04	NG	30.80
14	PROPYLENE OXIDE	7.46	451256	1.335	72.06	NG	30.62
15	TRICHLOROFLUOROMETHANE	7.62	1134400	2.049	137.79	NG	28.38
16	ISOPROPYL ALCOHOL	7.54	2157741	3.350	89.07	NG	28.23
17	ACRYLONITRILE	7.85	1000550	5.700	72.22	NG	33.33
18	tert-BUTANOL	8.33	1754008	3.169	96.84	NG	22.03
19	1,1-DICHLOROETHENE	8.56	1081554	4.711	71.25	NG	18.15
20	METHYLENE CHLORIDE	8.71	1169248	5.039	72.01	NG	20.87
21	ALLYL CHLORIDE	8.91	402993	1.363	72.13	NG	23.22
22	TRICHLOROTRIFLUOROETHANE	9.13	1320216	2.300	217.22	NG	23.57
23	CARBON DISULFIDE	9.30	2503054	11.290	72.45	NG	23.32
24	trans-1,2-DICHLOROETHENE	10.14	990298	4.358	72.34	NG	18.61
25	1,1-DICHLOROETHANE	10.44	1024685	5.703	72.09	NG	17.99
26	cis-1,2-DICHLOROETHENE	11.51	1000060	4.311	71.99	NG	18.34
27	t-BUTYL METHYL ETHER	10.48	2079147	3.580	74.34	NG	20.66
28	VINYL ACETATE	10.56	3923979	16.325	70.06	NG	20.95
29	2-BUTANONE	10.94	3203525	13.564	72.76	NG	24.72
30	3-METHYL PENTANE	11.25	2127682	9.127	72.34	NG	20.58
31	ETHYL ACETATE	11.30	3360966	14.545	71.22	NG	19.80
32	n-HEXANE	11.89	1650264	6.370	73.47	NG	20.90
33	CHLOROFORM	12.03	967484	4.236	70.97	NG	14.69
34	2-METHYL-1-PROPANOL	12.40	1223955	5.522	82.04	NG	20.51
35	1,2-DICHLOROETHANE-D4	12.92	420539	2.755	47.37	NG	**
36	1,2-DICHLOROETHANE	13.08	870797	3.790	71.30	NG	17.30
37	1,4-DIFLUOROBENZENE	14.49	1053484	1.000	30.00	NG	**
38	1,1,1-TRICHLOROETHANE	13.46	969361	3.427	74.43	NG	13.79
39	1-BUTANOL	13.76	700327	0.647	51.38	NG	16.98
40	BENZENE	14.11	2325161	1.759	76.23	NG	23.90
41	CARBON TETRACHLORIDE	14.32	542397	0.344	74.85	NG	12.05
42	VALERALDEHYDE (PENTANAL)	14.94	1815701	1.125	76.58	NG	21.78
43	1,2-DICHLOROPROPANE	15.24	799788	0.505	75.15	NG	16.41
44	1,4-DIOXANE	15.49	480206	0.314	72.54	NG	20.16

File	C:\HPCHEM\1\DATA\S10299\10299708.D
Operator	CJC
Date	29 Oct 97 1:42 pm
Sample	75 NG TO-14 STD (S10299701/S10299702)
Conditions	5989A/ENTECH 7000

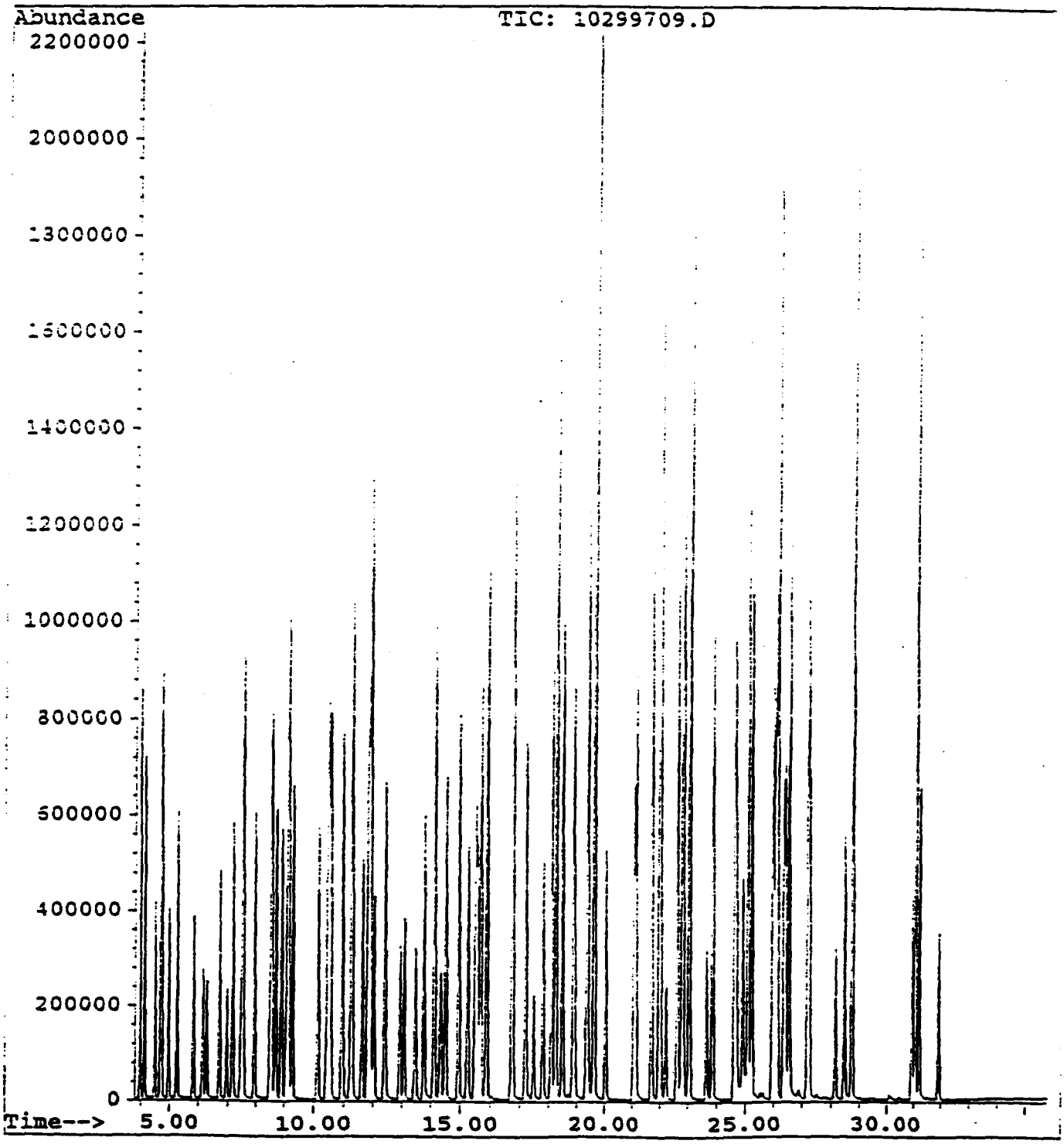
CPD #	Compound	RRT	Area	RRF	Amount	Units	
45	BROMODICHLOROMETHANE	15.49	725492	0.465	74.12	NG	11.19
46	TRICHLOROETHENE	15.56	534522	0.341	74.35	NG	13.99
47	EPICHLOROHYDRIN	15.55	129067	0.085	72.12	NG	19.17
48	METHYL METHACRYLATE	15.57	1601453	1.017	74.77	NG	18.29
49	HEPTANE	15.37	2205075	1.393	75.12	NG	13.38
50	cis-1,3-DICHLOROPROPENE	16.74	1533968	0.977	107.52	NG	23.31
51	4-METHYL-2-PENTANONE	16.73	2780615	1.758	75.16	NG	13.38
52	DIMETHYL DISULFIDE	17.20	1272118	0.795	75.34	NG	19.76
53	trans-1,3-DICHLOROPROPENE	17.48	513812	0.340	28.45	NG	8.55
54	1,1,2-TRICHLOROETHANE	17.30	804078	0.508	75.03	NG	13.80
55	CHLOROBENZENE-D5	21.06	750742	1.000	50.00	NG	**
56	TOLUENE-D8	18.10	1222060	1.532	51.29	NG	**
57	1,3-DICHLOROPROPANE	18.25	1230162	1.119	76.31	NG	18.58
58	TOLUENE	18.25	2500973	2.208	76.13	NG	20.24
59	2-HEXANONE	18.49	2586035	2.030	76.51	NG	18.72
60	HEXANAL	18.38	381308	0.374	74.36	NG	13.24
61	DIBROMOCHLOROMETHANE	18.33	511621	0.454	74.73	NG	8.37
62	BUTYL ACETATE	19.09	2296884	2.335	74.52	NG	15.71
63	TETRAHYDROTHIOPHENE	19.51	1074254	0.343	75.58	NG	21.01
64	OCTANE	19.52	3150277	2.788	75.04	NG	16.10
65	1,2-DIBROMOETHANE	19.85	373070	0.306	75.30	NG	9.38
66	TETRACHLOROETHENE	20.03	428789	0.371	76.71	NG	11.44
67	CHLOROBENZENE	21.14	1520916	1.251	74.89	NG	16.31
68	ETHYLBENZENE	21.72	371474	0.769	75.19	NG	17.35
69	m & p - XYLENES	22.01	2240498	0.981	151.73	NG	35.01
70	BROMOFORM	22.23	291000	0.247	74.30	NG	7.32
71	STYRENE	22.30	1701442	1.499	76.64	NG	18.02
72	2-BUTOXYETHANOL	23.07	2211321	1.962	74.75	NG	15.50
73	1,1,2,2-TETRACHLOROETHANE	22.79	1054276	0.925	75.64	NG	11.15
74	NONANE	23.07	2968107	2.601	75.70	NG	14.47
75	o - XYLENE	22.94	1043353	0.922	75.08	NG	17.33
76	CUMENE	23.37	2376588	2.076	75.94	NG	15.48
77	1-HEPTANOL	24.70	190119	0.287	32.59	NG	6.37
78	4-ETHYLTOLUENE	25.10	2329324	2.469	76.03	NG	15.50
79	a-PINENE	24.83	1525418	1.357	74.57	NG	13.41
80	bis-(2-CHLOROETHYL) ETHER	24.92	753249	0.772	84.75	NG	11.15
81	1,3,5-TRIMETHYLBENZENE	25.23	2082791	1.306	76.51	NG	15.59
82	n-DECANE	26.13	2524233	2.291	75.98	NG	13.09
83	beta-PINENE	25.97	1231565	1.156	76.41	NG	13.74
84	1,2,4-TRIMETHYLBENZENE	26.06	2056184	1.778	76.67	NG	15.63
85	BROMOFLUOROBENZENE	23.66	176074	0.237	49.19	NG	**
86	BENZYL CHLORIDE	26.35	1640338	1.418	76.76	NG	14.90
87	1,3-DICHLOROBENZENE	26.42	872394	0.771	75.02	NG	12.57

TO-14 RESULTS (PAGE 3 OF 3)

File	C:\HPCHEM\1\DATA\S102997\10299708.D
Operator	CJC
Date	29 Oct 97 1:42 pm
Sample	75 NG TO-14 STD (S10299701/S10299702)
Conditions	5989A/ENTECH 7000

CPD #	Compound	RRT(L)	Area	RRF	Amount	Units	PPB(V)
88	2-ETHYL-1-HEXANOL	26.53	317765	0.604	34.92	NG	6.57
89	1,4-DICHLOROBENZENE	26.54	992454	0.876	75.19	NG	12.60
90	d-LIMONENE	27.19	1047373	0.912	76.21	NG	13.71
91	1,2-DICHLOROBENZENE	27.26	848381	0.743	75.75	NG	12.69
92	1-NONANOL	31.05	306829	0.286	71.05	NG	12.07
93	1,2-DIBROMO-3-CHLOROPROPA	28.16	341146	0.303	74.68	NG	7.81
94	NONANAL	29.49	351816	0.309	75.11	NG	13.00
95	n-UNDECANE	28.75	2256150	1.987	75.32	NG	11.31
96	n-DODECANE	31.05	1884186	1.736	72.01	NG	10.36
97	1,2,4-TRICHLOROBENZENE	30.33	470987	0.426	73.08	NG	9.97
98	NAPHTHALENE	31.20	1479679	1.342	73.13	NG	13.93
99	HEXACHLOROBUTADIENE	31.33	280322	0.249	74.58	NG	7.08

File : C:\HPCHEM\1\DATA\S102997\10299709.D
Operator : CJC
Acquired : 29 Oct 97 2:40 pm using AcqMethod FCTO14B
Instrument : 5989 - In
Sample Name: 50 NG TO-14 STD (S10299701/S10299702)
Misc Info :
Vial Number: 2



File	C:\HPCHEM\1\DATA\S102997\10299709.D
Operator	CJC
Date	29 Oct 97 2:40 pm
Sample	50 NG TO-14 STD (S10299701/S10299702)
Conditions	5989A/ENTECH 7000

CPD #	Compound	RRT(L)	Area	RRF	Amount	Units	PPB(V)
1	BROMOCHLOROMETHANE	11.96	154914	1.000	50.00	NG	**
2	PROPENE	3.98	1062446	10.176	33.70	NG	19.63
3	DICHLORODIFLUOROMETHANE	4.14	1049281	3.452	38.10	NG	20.00
4	CHLOROMETHANE	4.50	352444	5.014	42.00	NG	20.55
5	DICHLOROTETRAFLUOROETHA	4.71	1282469	2.948	140.40	NG	20.20
6	VINYL CHLORIDE	4.98	383070	4.409	50.00	NG	19.73
7	1,3-BUTADIENE	5.27	724275	5.093	45.30	NG	20.79
8	BROMOMETHANE	5.33	454319	2.009	73.00	NG	19.00
9	CHLOROETHANE	5.15	452533	2.356	55.30	NG	21.02
10	ETHANOL	5.29	469766	3.332	50.00	NG	26.59
11	ACETONITRILE	5.72	1052152	3.729	50.00	NG	29.33
12	ACROLEIN	5.97	388034	2.505	50.00	NG	21.84
13	ACETONE	7.19	424160	2.708	50.00	NG	21.09
14	PROPYLENE OXIDE	7.47	299807	1.335	50.00	NG	21.09
15	TRICHLOROFLUOROMETHANE	7.60	300583	2.049	110.00	NG	19.78
16	ISOPROPYL ALCOHOL	7.34	1494395	3.550	50.00	NG	20.38
17	ACRYLONITRILE	7.36	387367	5.700	50.00	NG	23.08
18	tert-BUTANOL	3.53	1255498	3.169	50.00	NG	18.83
19	1,1-DICHLOROETHENE	8.56	729792	4.711	50.00	NG	12.74
20	METHYLENE CHLORIDE	8.72	730582	5.039	50.00	NG	14.56
21	ALLYL CHLORIDE	8.91	288570	1.363	50.00	NG	18.09
22	TRICHLOROTRIFLUOROETHANE	9.12	1215604	2.300	151.00	NG	18.36
23	CARBON DISULFIDE	9.30	1747484	11.290	50.00	NG	18.09
24	trans-1,2-DICHLOROETHENE	10.14	721589	4.658	50.00	NG	12.74
25	1,1-DICHLOROETHANE	10.44	380409	5.703	50.00	NG	12.48
26	cis-1,2-DICHLOROETHENE	11.52	367813	4.011	50.00	NG	12.74
27	t-BUTYL METHYL ETHER	10.48	1044616	3.680	50.00	NG	13.30
28	VINYL ACETATE	10.55	2575503	16.625	50.00	NG	14.22
29	2-BUTANONE	10.96	2116725	10.564	50.00	NG	16.99
30	3-METHYL PENTANE	11.25	1410923	9.127	50.00	NG	14.22
31	ETHYL ACETATE	11.81	2258696	14.645	50.00	NG	13.90
32	n-HEXANE	11.89	1079767	6.970	50.00	NG	14.22
33	CHLOROFORM	12.02	656248	4.236	50.00	NG	10.36
34	2-METHYL-1-PROPANOL	12.40	1025880	6.622	50.00	NG	16.53
35	1,2-DICHLOROETHANE-D4	12.33	426777	2.755	50.00	NG	**
36	1,2-DICHLOROETHANE	13.08	387130	2.790	50.00	NG	12.48
37	1,4-DIFLUOROBENZENE	14.50	1043245	1.000	50.00	NG	**
38	1,1,1-TRICHLOROETHANE	13.46	445286	0.427	50.00	NG	8.27
39	1-BUTANOL	13.77	574936	0.647	50.00	NG	16.53
40	BENZENE	14.12	1835067	1.759	50.00	NG	15.68
41	CARBON TETRACHLORIDE	14.33	358793	0.344	50.00	NG	8.05
42	VALERALDEHYDE (PENTANAL)	14.94	1173983	1.125	50.00	NG	14.22
43	1,2-DICHLOROPROPANE	15.25	526959	0.505	50.00	NG	10.92
44	1,4-DIOXANE	15.49	327785	0.314	50.00	NG	13.90

File	C:\HPCHEM\1\DATA\S102997\10299709.D
Operator	CJC
Date	29 Oct 97 2:40 pm
Sample	50 NG TO-14 STD (S10299701/S10299702)
Conditions	5989A/ENTECH 7000

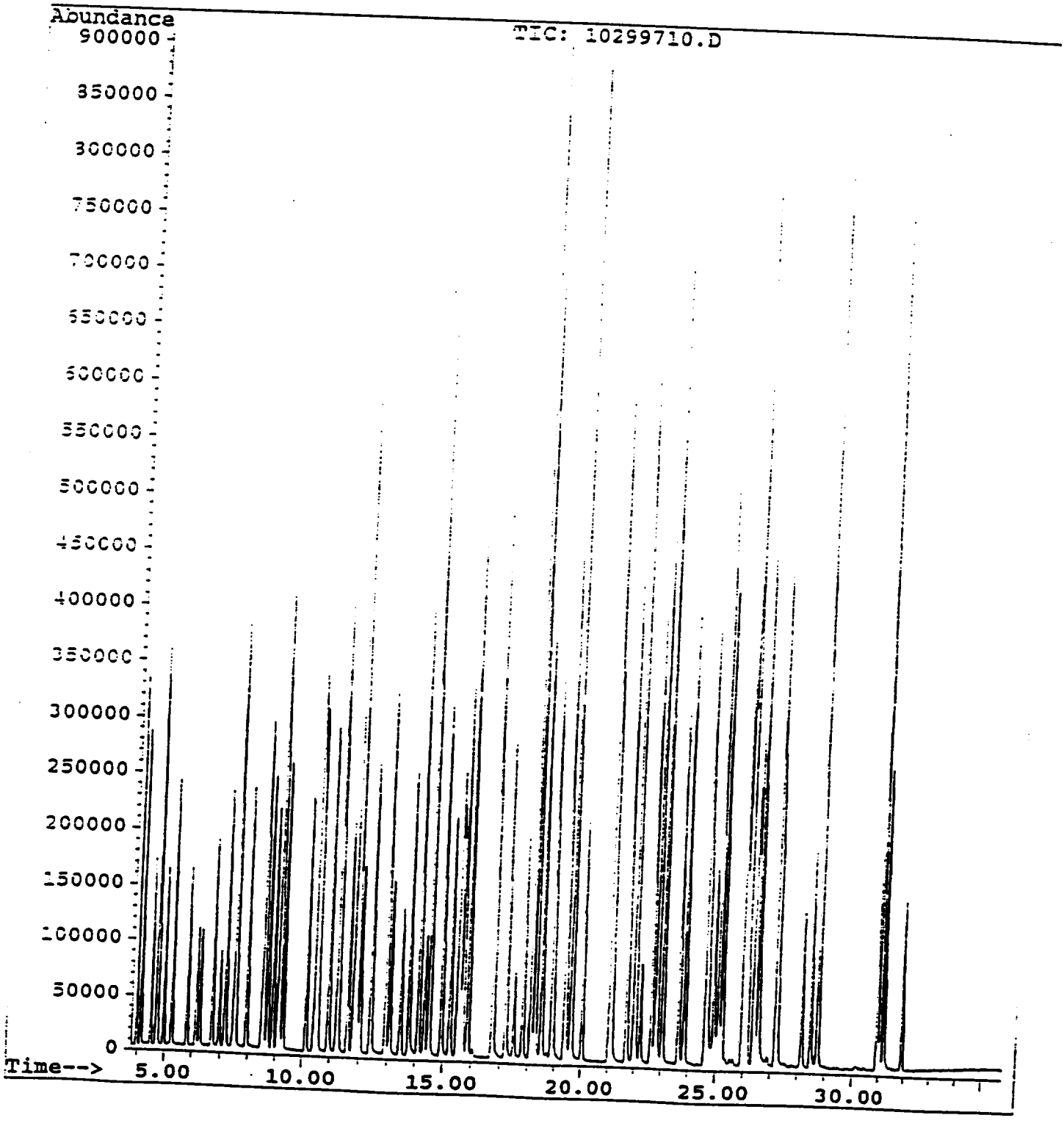
CPD #	Compound	RRT	Area	RRF	Amount	Units	
45	BROMODICHLOROMETHANE	15.50	485329	0.465	50.00	NG	7.55
46	TRICHLOROETHENE	15.56	355976	0.341	50.00	NG	9.41
47	EPICHLOROHYDRIN	15.55	38613	0.085	50.00	NG	13.29
48	METHYL METHACRYLATE	15.67	1060488	1.017	50.00	NG	12.23
49	HEPTANE	15.38	1453378	1.393	50.00	NG	12.23
50	cis-1,3-DICHLOROPROPENE	16.74	917271	0.877	50.00	NG	12.23
51	4-METHYL-2-PENTANONE	16.73	1933786	1.758	50.00	NG	16.01
52	DIMETHYL DISULFIDE	17.20	329423	0.795	50.00	NG	12.23
53	trans-1,3-DICHLOROPROPENE	17.48	247084	0.640	50.00	NG	13.01
54	1,1,2-TRICHLOROETHANE	17.31	252464	0.338	26.00	NG	5.78
55	CHLOROBENZENE-D5	21.07	780035	1.000	50.00	NG	8.27
56	TOLUENE-D8	18.10	1202739	1.382	50.00	NG	**
57	1,3-DICHLOROPROPANE	18.25	250682	1.119	50.00	NG	**
58	TOLUENE	18.25	1673892	2.208	50.00	NG	10.82
59	2-HEXANONE	18.50	1772046	2.030	50.00	NG	13.29
60	HEXANAL	18.37	564258	0.374	50.00	NG	12.23
61	DIBROMOCHLOROMETHANE	18.33	345014	0.454	50.00	NG	12.23
62	BUTYL ACETATE	19.09	2231553	2.335	50.00	NG	5.84
63	TETRAHYDROTHIOPHENE	19.52	776936	0.343	50.00	NG	10.54
64	OCTANE	19.60	2113621	2.788	50.00	NG	13.30
65	1,2-DIBROMOETHANE	19.05	335050	0.508	50.00	NG	10.73
66	TETRACHLOROETHENE	20.04	281950	0.071	50.00	NG	8.58
67	CHLOROBENZENE	21.14	1027097	1.051	50.00	NG	7.46
68	ETHYLBENZENE	21.72	384591	0.769	50.00	NG	10.92
69	m & p - XYLENES	22.01	1491652	0.981	100.00	NG	11.54
70	BROMOFORM	22.24	250685	0.347	50.00	NG	23.08
71	STYRENE	22.34	1103587	1.499	50.00	NG	4.39
72	2-BUTOXYETHANOL	23.06	1492111	1.362	50.00	NG	11.76
73	1,1,2,2-TETRACHLOROETHANE	22.80	703041	0.925	50.00	NG	10.36
74	NONANE	23.06	1977721	2.501	50.00	NG	7.37
75	o - XYLENE	22.84	700911	0.922	50.00	NG	9.55
76	CUMENE	23.37	1578481	2.076	50.00	NG	11.54
77	1-HEPTANOL	24.70	294214	0.087	50.00	NG	10.19
78	4-ETHYLTOLUENE	25.10	1877117	2.469	50.00	NG	10.54
79	a-PINENE	24.83	1031794	1.357	50.00	NG	10.19
80	bis-2-CHLOROETHYL ETHER	24.92	586752	0.772	50.00	NG	8.99
81	1,3,5-TRIMETHYLBENZENE	25.23	1073153	1.306	50.00	NG	8.61
82	n-DECANE	26.13	1742034	2.291	50.00	NG	10.19
83	beta-PINENE	25.96	379000	1.156	50.00	NG	8.61
84	1,2,4-TRIMETHYLBENZENE	26.06	1352062	1.778	50.00	NG	8.99
85	BROMOFLUOROBENZENE	23.67	180567	0.237	50.00	NG	10.19
86	BENZYL CHLORIDE	26.35	1078061	1.418	50.00	NG	**
87	1,3-DICHLOROBENZENE	26.42	586575	0.771	50.00	NG	9.71
							8.38

TO-14 RESULTS (PAGE 3 OF 3)

File	C:\HPCHEM\1\DATA\S102997\10299709.D
Operator	CJC
Date	29 Oct 97 2:40 pm
Sample	50 NG TO-14 STD (S10299701/S10299702)
Conditions	5989A/ENTECH 7000

CPD #	Compound	RRT(L)	Area	RRF	Amount	Units	PPB(V)
88	2-ETHYL-1-HEXANOL	26.54	458971	0.604	50.00	NG	9.41
89	1,4-DICHLOROBENZENE	26.56	665782	0.876	50.00	NG	8.38
90	d-LIMONENE	27.19	693178	0.912	50.00	NG	8.99
91	1,2-DICHLOROBENZENE	27.26	564904	0.743	50.00	NG	8.38
92	1-NONANOL	31.06	217843	0.286	50.00	NG	8.49
93	1,2-DIBROMO-3-CHLOROPROPA	28.17	230408	0.303	50.00	NG	5.23
94	NONANAL	28.43	235223	0.309	50.00	NG	8.61
95	n-UNDECANE	28.75	1510964	1.987	50.00	NG	7.84
96	n-DODECANE	31.06	1319721	1.736	50.00	NG	7.19
97	1,2,4-TRICHLOROBENZENE	30.94	323746	0.426	50.00	NG	5.79
98	NAPHTHALENE	31.21	1029541	1.342	50.00	NG	8.55
99	HEXACHLOROBUTADIENE	31.33	189330	0.249	50.00	NG	4.74

File : C:\HPCHEM\1\DATA\S102997\10299710.D
Operator : CJC
Acquired : 29 Oct 97 3:39 pm using AcqMethod FCTO14B
Instrument : 5989 - In
Sample Name: 20 NG TO-14 STD (S10299701/S10299702)
Misc Info :
Vial Number: 2



TO-14 RESULTS (PAGE 1 OF 3)

File	C:\HPCHEM\1\DATA\S102997\10299710.D
Operator	CJC
Date	29 Oct 97 3:39 pm
Sample	20 NG TO-14 STD (S10299701/S10299702)
Conditions	5989A/ENTECH 7000

CPD #	Compound	RRT(L)	Area	RRF	Amount	Units	PPB(V)
1	BROMOCHLOROMETHANE	11.37	150257	1.000	50.00	NG	**
2	PROPENE	3.99	409729	10.176	13.40	NG	7.80
3	DICHLORODIFLUOROMETHANE	4.14	409966	3.452	39.52	NG	8.05
4	CHLOROMETHANE	4.50	255897	5.014	16.98	NG	8.31
5	DICHLOROTETRAFLUOROETHA	4.71	513701	2.948	57.98	NG	8.34
6	VINYL CHLORIDE	4.99	274821	4.409	20.74	NG	8.18
7	1,3-BUTADIENE	5.28	292932	5.093	18.48	NG	8.37
8	BROMOMETHANE	5.83	182798	2.009	30.28	NG	7.38
9	CHLOROETHANE	6.16	185532	2.556	22.24	NG	8.38
10	ETHANOL	6.28	198700	3.002	21.31	NG	11.60
11	ACETONITRILE	6.73	500923	3.728	20.06	NG	12.14
12	ACROLEIN	6.38	151016	2.505	20.06	NG	8.76
13	ACETONE	7.19	170710	2.708	20.75	NG	8.75
14	PROPYLENE OXIDE	7.47	125777	1.935	21.33	NG	8.12
15	TRICHLOROFLUOROMETHANE	7.53	329428	3.049	18.87	NG	8.39
16	ISOPROPYL ALCOHOL	7.54	506058	3.350	20.97	NG	8.52
17	ACRYLONITRILE	7.86	340000	5.700	19.32	NG	8.19
18	tert-BUTANOL	8.34	402964	3.169	17.34	NG	8.33
19	1,1-DICHLOROETHENE	8.57	270440	4.711	19.10	NG	4.37
20	METHYLENE CHLORIDE	8.72	310748	5.039	20.72	NG	8.03
21	ALLYL CHLORIDE	8.92	210312	1.363	20.24	NG	8.61
22	TRICHLOROTRIFLUOROETHANE	9.12	484110	2.500	31.35	NG	8.15
23	CARBON DISULFIDE	9.30	380465	11.290	20.16	NG	8.49
24	trans-1,2-DICHLOROETHENE	10.14	282058	4.358	20.15	NG	8.13
25	1,1-DICHLOROETHANE	10.44	365019	5.703	21.30	NG	8.32
26	cis-1,2-DICHLOROETHENE	11.82	251381	4.311	20.22	NG	8.15
27	t-BUTYL METHYL ETHER	10.48	522064	3.580	20.01	NG	8.56
28	VINYL ACETATE	10.56	1000504	15.325	20.03	NG	8.70
29	2-BUTANONE	10.95	315716	13.564	19.37	NG	8.75
30	3-METHYL PENTANE	11.25	546630	3.127	19.93	NG	8.67
31	ETHYL ACETATE	11.81	375185	14.645	19.89	NG	8.53
32	n-HEXANE	11.99	430809	6.370	20.57	NG	8.85
33	CHLOROFORM	12.03	264960	4.236	20.81	NG	4.31
34	2-METHYL-1-PROPANOL	12.40	400981	6.622	20.15	NG	8.66
35	1,2-DICHLOROETHANE-D4	12.93	424310	2.755	51.25	NG	**
36	1,2-DICHLOROETHANE	13.08	229281	3.790	21.01	NG	8.24
37	1,4-DIFLUOROBENZENE	14.50	1022806	1.000	50.00	NG	**
38	1,1,1-TRICHLOROETHANE	13.46	132525	3.427	20.90	NG	8.87
39	1-BUTANOL	13.77	287187	3.547	21.70	NG	7.17
40	BENZENE	14.12	718898	1.759	19.98	NG	8.27
41	CARBON TETRACHLORIDE	14.33	144909	0.344	20.60	NG	3.31
42	VALERALDEHYDE (PENTANAL)	14.94	450636	1.125	19.58	NG	5.57
43	1,2-DICHLOROPROPANE	15.25	213270	0.506	20.64	NG	4.51
44	1,4-DIOXANE	15.49	132326	0.314	20.59	NG	5.72

File	C:\HPCHEM\1\DATA\S102997\10299710.D
Operator	CJC
Date	29 Oct 97 3:39 pm
Sample	20 NG TO-14 STD (S10299701/S10299702)
Conditions	5989A/ENTECH 7000

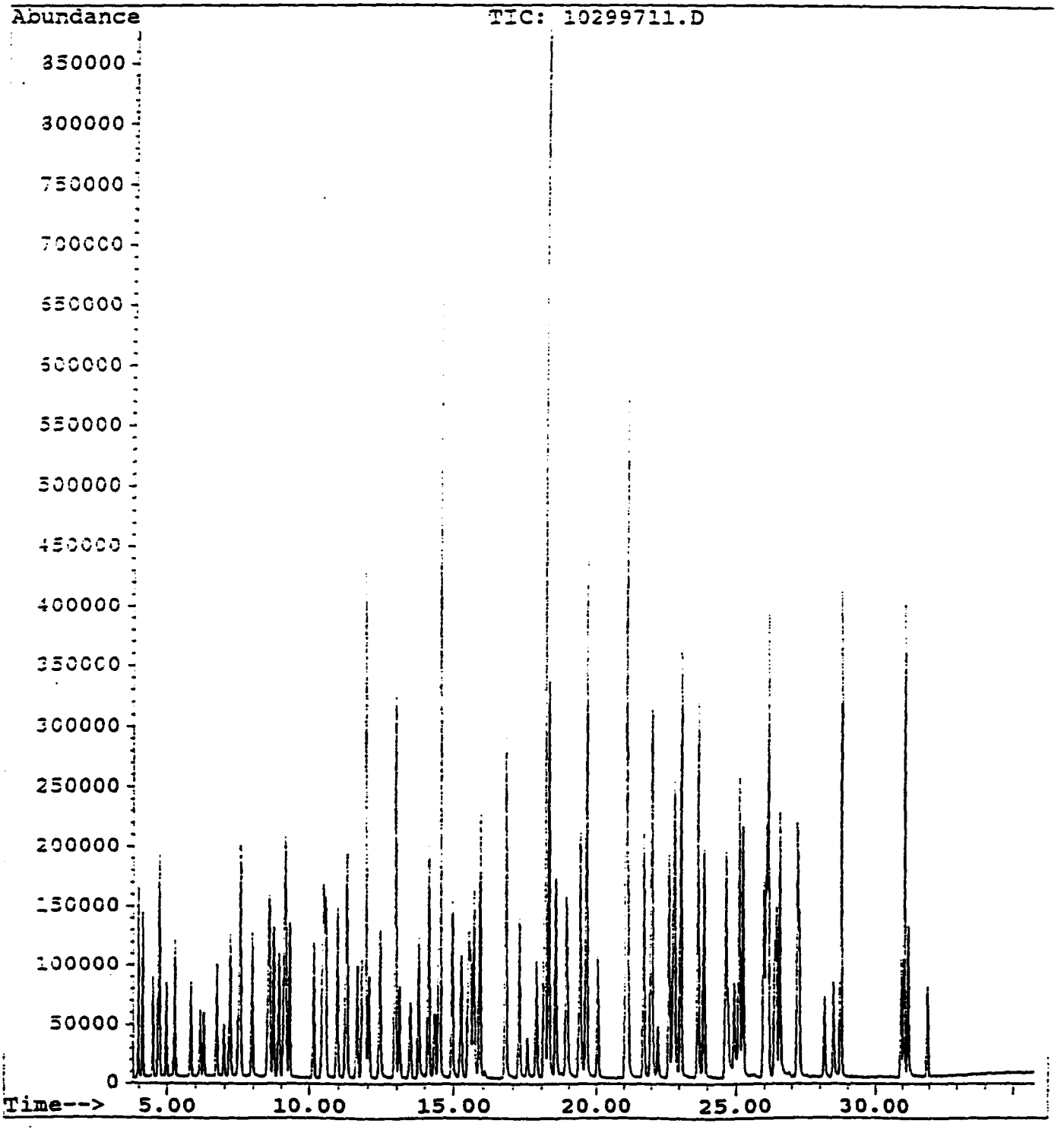
CPD #	Compound	RRT	Area	RRF	Amount	Units	
45	BROMODICHLOROMETHANE	15.50	197613	0.465	20.77	NG	3.14
46	TRICHLOROETHENE	15.56	142568	0.341	20.43	NG	3.84
47	EPICHLOROHYDRIN	15.65	33168	0.085	19.09	NG	5.08
48	METHYL METHACRYLATE	15.87	409731	1.017	19.70	NG	4.82
49	HEPTANE	15.97	557521	1.393	19.58	NG	4.79
50	cis-1,3-DICHLOROPROPENE	16.75	397047	0.977	20.36	NG	3.37
51	4-METHYL-2-PENTANONE	16.74	717290	1.758	19.95	NG	4.38
52	DIMETHYL DISULFIDE	17.21	303883	0.795	18.68	NG	4.36
53	trans-1,3-DICHLOROPROPENE	17.49	130079	0.340	3.93	NG	2.21
54	1,1,2-TRICHLOROETHANE	17.30	107453	0.268	19.39	NG	3.69
55	CHLOROBENZENE-D5	21.07	740073	1.000	50.00	NG	**
56	TOLUENE-D8	18.11	1138820	1.382	51.00	NG	**
57	1,3-DICHLOROPROPANE	18.25	206064	1.119	20.21	NG	1.41
58	TOLUENE	18.25	361324	2.208	20.17	NG	3.36
59	2-HEXANONE	18.50	371000	2.000	19.07	NG	4.74
60	HEXANAL	18.38	249900	0.374	19.25	NG	4.71
61	DIBROMOCHLOROMETHANE	18.33	108896	0.454	20.58	NG	2.44
62	BUTYL ACETATE	19.40	320686	2.935	18.32	NG	3.97
63	TETRAHYDROTHIOPHENE	19.52	275203	0.343	19.55	NG	5.46
64	OCTANE	19.53	340686	2.788	20.29	NG	4.35
65	1,2-DIBROMOETHANE	19.36	130722	0.506	20.29	NG	2.87
66	TETRACHLOROETHENE	20.04	116475	0.271	21.14	NG	3.15
67	CHLOROBENZENE	21.15	398888	1.251	19.87	NG	4.34
68	ETHYLBENZENE	21.72	224846	0.769	19.68	NG	4.54
69	m & p - XYLENES	22.00	525181	0.981	40.14	NG	9.26
70	BROMOFORM	22.24	100064	0.247	19.42	NG	1.90
71	STYRENE	22.54	402791	1.499	19.43	NG	4.37
72	2-BUTOXYETHANOL	23.06	577207	1.962	19.79	NG	4.10
73	1,1,2,2-TETRACHLOROETHANE	22.80	280441	0.925	20.41	NG	3.01
74	NONANE	23.06	773871	2.501	20.02	NG	3.83
75	o - XYLENE	22.85	275777	0.922	20.13	NG	4.65
76	CUMENE	23.38	617775	2.076	20.02	NG	4.08
77	1-HEPTANOL	24.70	108699	0.387	18.90	NG	3.99
78	4-ETHYLTOLUENE	25.10	728138	2.469	20.12	NG	4.10
79	a-PINENE	24.83	295249	1.057	19.60	NG	3.53
80	bis-2-CHLOROETHYL ETHER	24.92	222942	0.772	19.44	NG	3.35
81	1,3,5-TRIMETHYLBENZENE	25.23	544567	1.806	20.29	NG	4.14
82	n-DECANE	25.13	594446	2.291	20.40	NG	3.51
83	beta-PINENE	25.97	347121	1.156	20.21	NG	3.63
84	1,2,4-TRIMETHYLBENZENE	26.06	548627	1.778	20.76	NG	4.23
85	BROMOFLUOROBENZENE	23.67	178806	0.237	50.67	NG	**
86	BENZYL CHLORIDE	26.35	389270	1.418	18.47	NG	3.59
87	1,3-DICHLOROBENZENE	26.42	232709	0.771	20.30	NG	3.40

TO-14 RESULTS (PAGE 3 OF 3)

File	C:\HPCHEM\1\DATA\S102997\10299710.D
Operator	CJC
Date	29 Oct 97 3:39 pm
Sample	20 NG TO-14 STD (S10299701/S10299702)
Conditions	5989A/ENTECH 7000

CPD #	Compound	RRT(L)	Area	RRF	Amount	Units	PPB(V)
88	2-ETHYL-1-HEXANOL	26.54	163288	0.604	18.20	NG	3.42
89	1,4-DICHLOROBENZENE	26.55	270370	0.876	20.78	NG	3.48
90	d-LIMONENE	27.19	270254	0.912	19.95	NG	3.59
91	1,2-DICHLOROBENZENE	27.26	233094	0.743	21.11	NG	3.54
92	1-NONANOL	31.06	93279	0.286	21.91	NG	3.72
93	1,2-DIBROMO-3-CHLOROPROPA	28.17	96799	0.303	21.50	NG	2.25
94	NONANAL	28.49	34562	0.309	18.39	NG	3.17
95	n-UNDECANE	28.75	518315	1.987	20.94	NG	3.28
96	n-DODECANE	31.06	534073	1.736	20.71	NG	2.98
97	1,2,4-TRICHLOROBENZENE	30.34	132408	0.426	20.93	NG	2.84
98	NAPHTHALENE	31.21	418770	1.342	21.00	NG	4.01
99	HEXACHLOROBUTADIENE	31.33	79253	0.249	21.42	NG	2.03

File : C:\HPCHEM\1\DATA\S102997\10299711.D
Operator : CJC
Acquired : 29 Oct 97 4:39 pm using AcqMethod FCTO14B
Instrument : 5989 - In
Sample Name: 10 NG TO-14 STD (S10299701/S10299702)
Misc Info :
Vial Number: 2



TO-14 RESULTS (PAGE 1 OF 3)

File	C:\HPCHEM\1\DATA\S102997\10299711.D
Operator	CJC
Date	29 Oct 97 4:39 pm
Sample	10 NG TO-14 STD (S10299701/S10299702)
Conditions	5989A/ENTECH 7000

CPD

#	Compound	RRT(L)	Area	RRF	Amount	Units	PPS(V)
1	BROMOCHLOROMETHANE	11.37	144317	1.000	50.00	NG	**
2	PROPENE	3.98	199432	10.176	6.79	NG	3.95
3	DICHLORODIFLUOROMETHANE	4.14	200874	3.452	20.16	NG	4.11
4	CHLOROMETHANE	4.50	130108	5.014	8.99	NG	4.40
5	DICHLOROTETRAFLUOROETHA	4.71	256554	2.948	30.15	NG	4.34
6	VINYL CHLORIDE	4.99	138913	4.409	10.91	NG	4.31
7	1,3-BUTADIENE	5.27	140188	5.093	9.54	NG	4.32
8	BROMOMETHANE	5.33	82660	2.009	15.38	NG	4.16
9	CHLOROETHANE	5.15	34380	2.356	12.31	NG	4.70
10	ETHANOL	5.29	100925	3.032	11.53	NG	6.13
11	ACETONITRILE	5.73	272566	3.729	10.32	NG	6.45
12	ACROLEIN	5.37	75483	2.305	10.44	NG	4.66
13	ACETONE	7.19	87241	2.708	11.05	NG	4.66
14	PROPYLENE OXIDE	7.47	50588	1.335	11.09	NG	4.80
15	TRICHLOROFLUOROMETHANE	7.60	168950	3.049	24.82	NG	4.48
16	ISOPROPYL ALCOHOL	7.54	206904	3.350	11.02	NG	4.49
17	ACRYLONITRILE	7.36	174420	5.730	10.55	NG	4.37
18	tert-BUTANOL	8.53	207031	3.169	10.05	NG	3.82
19	1,1-DICHLOROETHENE	8.56	145412	4.711	10.70	NG	3.73
20	METHYLENE CHLORIDE	8.72	162561	5.039	11.13	NG	3.25
21	ALLYL CHLORIDE	8.91	84831	1.363	10.20	NG	3.23
22	TRICHLOROTRIFLUOROETHANE	9.12	240037	2.300	21.38	NG	4.21
23	CARBON DISULFIDE	9.00	207483	11.280	10.06	NG	3.84
24	trans-1,2-DICHLOROETHENE	10.14	141251	4.558	10.51	NG	2.82
25	1,1-DICHLOROETHANE	10.44	181304	5.703	11.02	NG	2.75
26	cis-1,2-DICHLOROETHENE	11.62	130270	4.311	10.47	NG	2.67
27	t-BUTYL METHYL ETHER	10.49	255321	3.380	10.19	NG	2.83
28	VINYL ACETATE	10.55	420017	15.525	10.07	NG	2.86
29	2-BUTANONE	10.95	401564	13.564	10.18	NG	3.46
30	3-METHYL PENTANE	11.25	261080	3.127	9.32	NG	2.82
31	ETHYL ACETATE	11.81	421337	14.845	9.97	NG	2.77
32	n-HEXANE	11.89	208710	6.970	10.37	NG	2.85
33	CHLOROFORM	12.02	134155	4.236	10.97	NG	2.27
34	2-METHYL-1-PROPANOL	12.40	190929	5.622	9.99	NG	3.30
35	1,2-DICHLOROETHANE-D4	12.93	421899	2.755	54.32	NG	**
36	1,2-DICHLOROETHANE	13.09	133105	3.790	11.25	NG	2.31
37	1,4-DIFLUOROBENZENE	14.50	391812	1.000	50.00	NG	**
38	1,1,1-TRICHLOROETHANE	13.47	38642	0.427	10.47	NG	1.94
39	1-BUTANOL	13.77	127529	0.647	9.94	NG	3.28
40	BENZENE	14.12	355797	1.759	10.20	NG	3.20
41	CARBON TETRACHLORIDE	14.33	72767	0.344	10.67	NG	1.72
42	VALERALDEHYDE (PENTANAL)	14.93	217551	1.125	9.75	NG	2.77
43	1,2-DICHLOROPROPANE	15.25	105137	0.505	10.49	NG	2.29
44	1,4-DIOXANE	15.49	61958	0.314	9.94	NG	2.76

File	C:\HPCHEM\1\DATA\S102997\10299711.D
Operator	CJC
Date	29 Oct 97 4:39 pm
Sample	10 NG TO-14 STD (S10299701/S10299702)
Conditions	5989A/ENTECH 7000

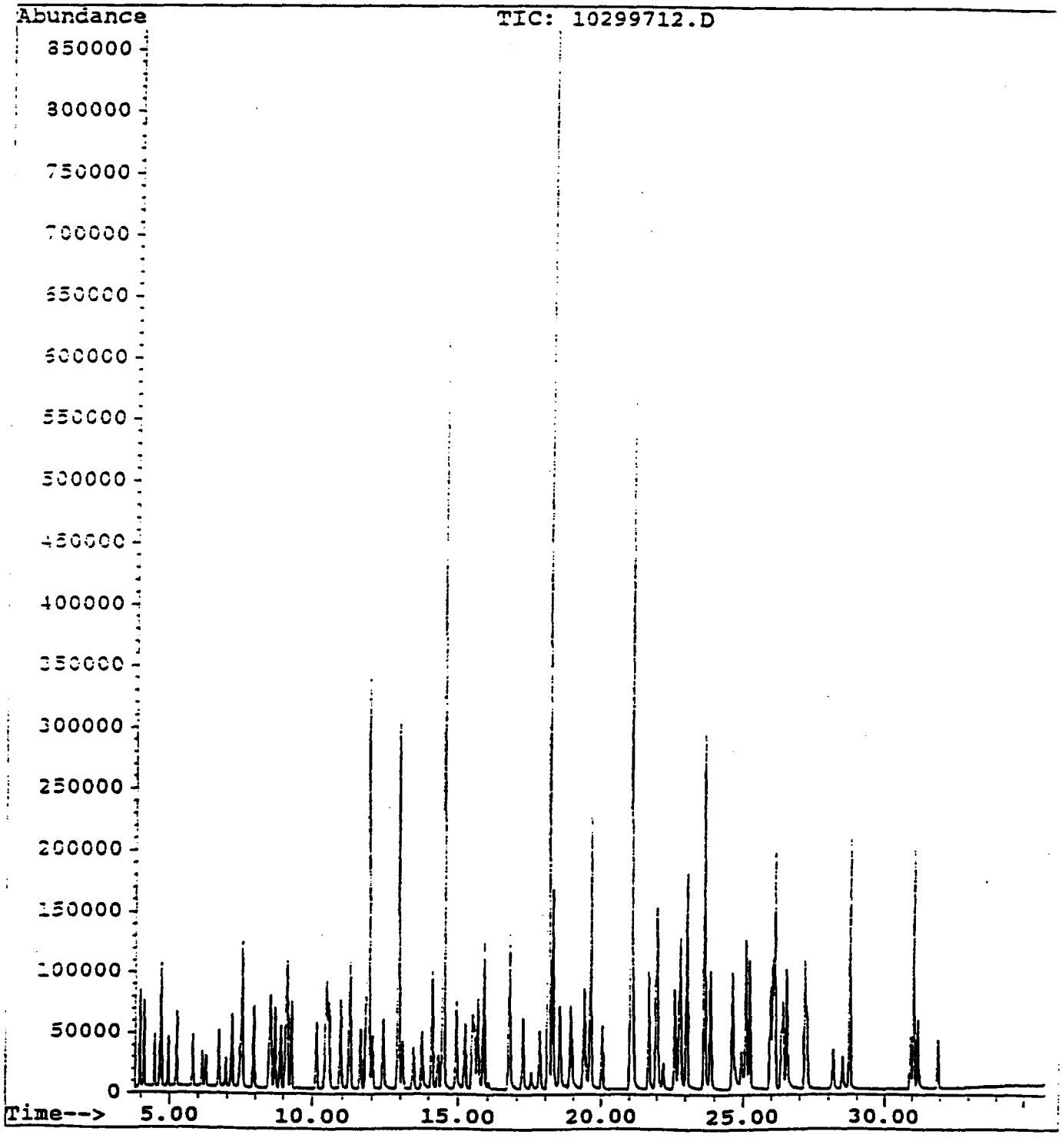
CPD #	Compound	RRT	Area	RRF	Amount	Units	
45	BROMODICHLOROMETHANE	15.50	101197	0.465	10.97	NG	1.66
46	TRICHLOROETHENE	15.56	89734	0.341	10.00	NG	1.94
47	EPICHLOROHYDRIN	15.66	17815	0.085	10.57	NG	2.81
48	METHYL METHACRYLATE	15.68	197768	1.017	9.81	NG	2.40
49	HEPTANE	15.88	272408	1.293	9.86	NG	2.41
50	cis-1,3-DICHLOROPROPENE	16.75	195359	0.877	14.54	NG	3.23
51	4-METHYL-2-PENTANONE	16.74	344638	1.758	9.38	NG	2.42
52	DIMETHYL DISULFIDE	17.21	196783	0.795	3.87	NG	2.26
53	trans-1,3-DICHLOROPROPENE	17.49	68241	0.340	4.39	NG	1.02
54	1,1,2-TRICHLOROETHANE	17.30	38010	0.208	10.19	NG	1.89
55	CHLOROBENZENE-D5	21.07	700231	1.000	50.00	NG	**
56	TOLUENE-D8	13.10	1159255	1.582	49.37	NG	**
57	1,2-DICHLOROPROPANE	18.26	167440	1.119	10.21	NG	2.23
58	TOLUENE	18.25	317726	2.208	9.31	NG	2.81
59	2-HEXANONE	18.51	320000	2.000	9.06	NG	2.29
60	HEXANAL	18.38	116883	0.874	9.12	NG	2.23
61	DIBROMOCHLOROMETHANE	18.93	87735	0.454	10.17	NG	1.21
62	BUTYL ACETATE	19.40	273631	2.305	9.30	NG	1.36
63	TETRAHYDROTHIOPHENE	19.52	129715	0.943	9.01	NG	2.59
64	OCTANE	19.53	210374	2.788	10.04	NG	2.15
65	1,2-DIBROMOETHANE	19.56	74611	0.506	10.05	NG	1.32
66	TETRACHLOROETHENE	20.04	55110	0.271	10.13	NG	1.51
67	CHLOROBENZENE	21.15	194973	1.351	9.84	NG	2.15
68	ETHYLBENZENE	21.71	108319	0.769	9.81	NG	2.22
69	m & p - XYLENES	22.02	293635	0.981	19.72	NG	4.55
70	BROMOFORM	22.25	49219	0.247	9.68	NG	0.95
71	STYRENE	22.64	200924	1.499	9.14	NG	2.15
72	2-BUTOXYETHANOL	23.06	297224	1.962	9.98	NG	2.07
73	1,1,2,2-TETRACHLOROETHANE	22.80	144058	0.925	10.62	NG	1.57
74	NONANE	23.07	378680	2.501	3.93	NG	1.90
75	o - XYLENE	22.84	135963	0.922	10.06	NG	2.32
76	CUMENE	23.88	300117	2.076	9.86	NG	2.01
77	1-HEPTANOL	24.71	40117	0.387	7.07	NG	1.49
78	4-ETHYLTOLUENE	25.10	357349	2.469	3.87	NG	2.01
79	a-PINENE	24.63	191749	1.357	9.64	NG	1.73
80	bis(2-CHLOROETHYL) ETHER	24.94	101411	0.772	3.96	NG	1.54
81	1,3,5-TRIMETHYLBENZENE	25.24	271002	1.306	10.23	NG	2.09
82	n-DECANE	25.14	347175	2.291	10.33	NG	1.78
83	beta-PINENE	25.96	160952	1.156	9.49	NG	1.71
84	1,2,4-TRIMETHYLBENZENE	25.06	265733	1.778	10.19	NG	2.08
85	BROMOFLUOROBENZENE	23.67	176230	0.237	50.61	NG	**
86	BENZYL CHLORIDE	26.36	181983	1.418	8.76	NG	1.70
87	1,3-DICHLOROBENZENE	26.43	117053	0.771	10.35	NG	1.73

TO-14 RESULTS (PAGE 3 OF 3)

File	C:\HPCHEM\1\DATA\S102997\10299711.D
Operator	CJC
Date	29 Oct 97 4:39 pm
Sample	10 NG TO-14 STD (S10299701/S10299702)
Conditions	5989A/ENTECH 7000

CPD #	Compound	RRT(L)	Area	RRF	Amount	Units	PPB(V)
88	2-ETHYL-1-HEXANOL	26.55	67516	0.604	7.63	NG	1.44
89	1,4-DICHLOROBENZENE	26.55	135098	0.876	10.52	NG	1.76
90	d-LIMONENE	27.19	132182	0.912	9.89	NG	1.78
91	1,2-DICHLOROBENZENE	27.26	119704	0.743	10.99	NG	1.84
92	1-NONANOL	31.05	51078	0.286	12.16	NG	2.07
93	1,2-DIBROMO-3-CHLOROPROPA	28.17	47219	0.303	10.63	NG	1.11
94	NONANAL	29.49	37235	0.309	3.21	NG	1.41
95	n-UNDECANE	28.75	308001	1.387	10.57	NG	1.66
96	n-DODECANE	31.05	278762	1.736	10.95	NG	1.58
97	1,2,4-TRICHLOROBENZENE	30.34	67626	0.426	10.93	NG	1.47
98	NAPHTHALENE	31.21	210365	1.342	10.59	NG	2.04
99	HEXACHLOROBUTADIENE	31.33	39871	0.249	10.32	NG	1.04

File : C:\HPCHEM\1\DATA\S102997\10299712.D
Operator : CJC
Acquired : 29 Oct 97 5:38 pm using AcqMethod FCTO14B
Instrument : 5989 - In
Sample Name: 5 NG TO-14 STD (S10299701/S10299702)
Misc Info :
Vial Number: 2



TO-14 RESULTS (PAGE 1 OF 3)

File	C:\HPCHEM\1\DATA\S102997\10299712.D
Operator	CJC
Date	29 Oct 97 5:38 pm
Sample	5 NG TO-14 STD (S10299701/S10299702)
Conditions	5989A/ENTECH 7000

CPD #	Compound	RRT(L)	Area	RRF	Amount	Units	PPB(V)
1	BROMOCHLOROMETHANE	11.86	138077	1.000	50.00	NG	**
2	PROPENE	3.96	103313	10.176	3.68	NG	2.14
3	DICHLORODIFLUOROMETHANE	4.11	103291	3.452	10.33	NG	2.21
4	CHLOROMETHANE	4.47	39228	5.014	5.00	NG	2.45
5	DICHLOROTETRAFLUOROETHA	4.59	137674	2.948	16.91	NG	2.43
6	VINYL CHLORIDE	4.97	71301	4.409	5.36	NG	2.31
7	1,3-BUTADIENE	5.25	74468	5.093	5.29	NG	2.40
8	BROMOMETHANE	5.81	43874	2.309	3.31	NG	2.29
9	CHLOROETHANE	5.14	49095	2.556	6.73	NG	2.57
10	ETHANOL	5.26	49803	3.032	5.35	NG	3.16
11	ACETONITRILE	5.71	140158	3.729	5.31	NG	3.47
12	ACROLEIN	5.86	89054	2.505	5.59	NG	2.49
13	ACETONE	7.18	46024	2.703	5.09	NG	2.57
14	PROPYLENE OXIDE	7.45	80557	1.305	5.23	NG	2.35
15	TRICHLOROFLUOROMETHANE	7.62	108151	2.049	16.57	NG	3.00
16	ISOPROPYL ALCOHOL	7.63	166864	3.850	5.26	NG	2.35
17	ACRYLONITRILE	7.85	89279	5.700	5.27	NG	2.30
18	tert-BUTANOL	8.53	177008	3.159	5.20	NG	1.72
19	1,1-DICHLOROETHENE	8.56	74025	4.711	5.71	NG	1.48
20	METHYLENE CHLORIDE	8.71	38474	5.039	5.36	NG	1.35
21	ALLYL CHLORIDE	8.90	26082	1.363	5.13	NG	1.35
22	TRICHLOROTRIFLUOROETHANE	9.12	124609	2.800	17.06	NG	2.23
23	CARBON DISULFIDE	9.30	177524	11.290	5.70	NG	1.83
24	trans-1,2-DICHLOROETHENE	10.14	89600	4.858	5.41	NG	1.83
25	1,1-DICHLOROETHANE	10.44	92625	5.703	5.38	NG	1.47
26	cis-1,2-DICHLOROETHENE	11.82	84995	4.811	5.46	NG	1.39
27	t-BUTYL METHYL ETHER	10.48	127513	8.580	5.32	NG	1.48
28	VINYL ACETATE	10.55	208577	13.525	5.15	NG	1.47
29	2-BUTANONE	10.34	198169	12.664	5.25	NG	1.78
30	3-METHYL PENTANE	11.25	129250	8.127	5.13	NG	1.46
31	ETHYL ACETATE	11.80	213846	14.845	5.29	NG	1.47
32	n-HEXANE	11.98	104658	6.970	5.44	NG	1.55
33	CHLOROFORM	12.01	87993	4.236	5.81	NG	1.20
34	2-METHYL-1-PROPANOL	12.40	99542	6.622	4.90	NG	1.62
35	1,2-DICHLOROETHANE-D4	12.92	421262	2.755	55.37	NG	**
36	1,2-DICHLOROETHANE	13.08	84527	3.790	5.17	NG	1.54
37	1,4-DIFLUOROBENZENE	14.49	367841	1.000	50.00	NG	**
38	1,1,1-TRICHLOROETHANE	13.46	46950	0.427	5.68	NG	1.05
39	1-BUTANOL	13.77	55358	3.647	4.42	NG	1.46
40	BENZENE	14.12	178610	1.759	5.24	NG	1.64
41	CARBON TETRACHLORIDE	14.33	37332	0.344	5.61	NG	0.90
42	VALERALDEHYDE (PENTANAL)	14.94	102074	1.125	4.69	NG	1.33
43	1,2-DICHLOROPROPANE	15.25	53560	0.506	5.48	NG	1.20
44	1,4-DIOXANE	15.49	29732	0.314	4.89	NG	1.36

File	C:\HPCHEM\1\DATA\S102997\10299712.D
Operator	CJC
Date	29 Oct 97 5:38 pm
Sample	5 NG TO-14 STD (S10299701/S10299702)
Conditions	5989A/ENTECH 7000

CPO #	Compound	RRT	Area	RRF	Amount	Units	
45	BROMODICHLOROMETHANE	15.50	51287	0.465	5.70	NG	0.86
46	TRICHLOROETHENE	15.56	34111	0.341	5.16	NG	0.97
47	EPICHLOROHYDRIN	15.57	3152	0.085	4.96	NG	1.32
48	METHYL METHACRYLATE	15.57	32383	1.017	4.70	NG	1.15
49	HEPTANE	15.37	100823	1.093	4.96	NG	1.21
50	cis-1,3-DICHLOROPROPENE	16.76	31537	0.877	5.39	NG	1.55
51	4-METHYL-2-PENTANONE	16.73	166805	1.758	4.90	NG	1.20
52	DIMETHYL DISULFIDE	17.21	31235	0.795	5.38	NG	1.04
53	trans-1,3-DICHLOROPROPENE	17.50	27081	0.540	2.78	NG	0.49
54	1,1,2-TRICHLOROETHANE	17.79	22989	0.238	5.20	NG	0.96
55	CHLOROBENZENE-D5	21.07	881546	1.000	50.00	NG	**
56	TOLUENE-D8	18.10	1115236	1.382	51.02	NG	**
57	1,3-DICHLOROPROPANE	18.25	36057	1.119	5.38	NG	1.22
58	TOLUENE	18.25	158706	2.208	5.13	NG	1.36
59	2-HEXANONE	18.51	142062	2.330	4.41	NG	1.08
60	HEXANAL	18.38	50127	0.874	4.40	NG	1.08
61	DIBROMOCHLOROMETHANE	18.33	24665	0.454	5.52	NG	0.86
62	BUTYL ACETATE	19.40	166368	2.335	4.10	NG	0.86
63	TETRAHYDROTHIOPHENE	19.31	51920	0.343	4.75	NG	1.32
64	OCTANE	19.52	210090	2.738	5.45	NG	1.17
65	1,2-DIBROMOETHANE	19.05	28273	0.508	5.18	NG	0.83
66	TETRACHLOROETHENE	20.04	27105	0.271	5.29	NG	0.79
67	CHLOROBENZENE	21.14	95921	1.051	5.13	NG	1.12
68	ETHYLBENZENE	21.72	80089	0.769	4.71	NG	1.09
69	m & p - XYLENES	22.00	137975	0.981	10.17	NG	2.35
70	BROMOFORM	22.25	24250	0.247	5.06	NG	0.49
71	STYRENE	22.64	85546	1.499	4.82	NG	1.02
72	2-BUTOXYETHANOL	23.07	142580	1.962	5.25	NG	1.09
73	1,1,2,2-TETRACHLOROETHANE	22.90	70682	0.925	5.53	NG	0.81
74	NONANE	23.06	193249	2.601	5.37	NG	1.03
75	o - XYLENE	22.35	86308	0.922	5.20	NG	1.20
76	CUMENE	23.38	141597	2.076	4.93	NG	1.01
77	1-HEPTANOL	24.72	10529	0.087	2.53	NG	0.53
78	4-ETHYLTOLUENE	25.10	170425	2.469	4.99	NG	1.02
79	a-PINENE	24.82	88379	1.257	4.71	NG	0.85
80	bis-2-CHLOROETHYL) ETHER	24.93	46420	0.772	4.35	NG	0.75
81	1,2,3-TRIMETHYLBENZENE	25.24	130895	1.806	5.24	NG	1.07
82	n-DECANE	26.13	174556	2.291	5.51	NG	0.95
83	beta-PINENE	25.97	78044	1.156	4.88	NG	0.88
84	1,2,4-TRIMETHYLBENZENE	26.05	135738	1.778	5.52	NG	1.13
85	BROMOFLUOROBENZENE	23.67	163465	0.237	49.77	NG	**
86	BENZYL CHLORIDE	26.35	83398	1.418	4.25	NG	0.83
87	1,3-DICHLOROBENZENE	26.41	57641	0.771	5.40	NG	0.91

TO-14 RESULTS (PAGE 3 OF 3)

File	C:\HPCHEM\1\DATA\S102997\10299712.D
Operator	CJC
Date	29 Oct 97 5:38 pm
Sample	5 NG TO-14 STD (S10299701/S10299702)
Conditions	5989A/ENTECH 7000

CPD #	Compound	RRT(L)	Area	RRF	Amount	Units	PPB(V)
88	2-ETHYL-1-HEXANOL	26.55	26825	0.604	3.21	NG	0.60
89	1,4-DICHLOROBENZENE	26.55	87228	0.876	5.55	NG	0.93
90	d-LIMONENE	27.19	62115	0.912	4.93	NG	0.89
91	1,2-DICHLOROBENZENE	27.26	58981	0.743	5.74	NG	0.96
92	1-NONANOL	31.06	25994	0.286	6.56	NG	1.11
93	1,2-DIBROMO-3-CHLOROPROPA	29.18	22152	0.303	5.29	NG	0.55
94	NONANAL	28.51	14071	0.209	3.29	NG	0.57
95	n-UNDECANE	28.75	152822	1.987	5.56	NG	0.87
96	n-DODECANE	31.06	139574	1.736	5.31	NG	0.84
97	1,2,4-TRICHLOROBENZENE	30.95	29539	0.426	5.02	NG	0.68
98	NAPHTHALENE	31.21	96842	1.342	5.22	NG	1.00
99	HEXACHLOROBUTADIENE	31.33	21335	0.249	5.20	NG	0.59

CONTINUING CALIBRATION STANDARDS

TO-14 INITIAL/CONTINUING CALIBRATION RESULTS

FULLICR.XLS

Cont. Cal. Date: 30 Oct 97 7:55 am
Cont. Cal. File: C:\HPCHEM\1\DATA\S103097\10309702.D
Operator: CJC
Date: 30 Oct 97 7:55 am
Sample: 50 NG TO-14 STD (S10299701/S010299702)
Inst. ID: HP 5989A/ENTECH 7000

NG	Filename
50	10299709.
5	10299712.
10	10299711.
20	10299710.
75	10299708.
100	10299707.

CPD #	Compound	Initial Calibration 5	10	20	50	75	100	AVE RR	SD	%RSD	Continuing Calibration CC AREA	CC RRF	D	
1	BROMOCHLOROMETHANE	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.00	148678	1.000	0.000	
2	PROPENE	11.101	10.252	10.114	10.175	9.366	10.189	10.283	0.423	4.11	1000714	9.986	-0.297	-
3	DICHLORODIFLUOROMETHANE	3.313	3.547	3.477	3.452	3.508	3.580	3.563	0.101	2.87	1294576	4.404	0.941	3
4	CHLOROMETHANE	5.369	5.066	5.069	5.014	4.774	5.013	5.201	0.421	8.10	372914	5.387	0.196	
5	DICHLOROTETRAFLUOROETHA	3.551	3.165	3.044	2.948	2.756	2.955	3.053	0.293	9.25	1095006	3.941	0.288	
6	VINYL CHLORIDE	5.164	4.813	4.573	4.409	4.190	4.442	4.598	0.344	7.49	725411	4.879	0.281	-
7	1,3-BUTADIENE	5.375	5.291	5.126	5.093	4.859	5.047	5.215	0.252	4.75	752629	5.514	0.299	5
8	BROMOMETHANE	2.424	2.199	2.083	2.009	1.904	1.977	2.099	0.188	8.97	506077	3.331	0.232	1
9	CHLOROETHANE	3.252	2.973	2.906	2.858	2.533	2.586	2.901	0.273	9.74	471098	2.981	0.079	-
10	ETHANOL	3.607	3.497	3.307	3.032	2.795	2.745	3.164	0.362	11.44	483414	3.251	0.088	-
11	ACETONITRILE	10.151	9.443	9.384	8.723	8.094	8.503	9.216	0.865	7.08	1024442	9.308	-0.110	-
12	ACROLEIN	2.850	2.815	2.813	2.805	2.676	2.431	2.648	0.169	6.82	381171	2.564	0.016	2
13	ACETONE	3.033	3.026	2.940	2.708	2.667	2.657	2.877	0.262	9.11	429657	2.890	0.010	2
14	PROPYLENE OXIDE	2.400	2.303	2.293	2.335	2.267	2.257	2.264	0.225	10.38	322105	2.167	0.102	4
15	TRICHLOROFLUOROMETHANE	2.561	2.561	2.491	2.548	2.246	2.295	2.501	0.484	19.39	340191	2.374	0.274	13
16	ISOPROPYL ALCOHOL	12.385	10.833	10.089	9.850	8.926	8.513	9.380	1.280	12.85	1499423	10.085	0.102	7
17	ACRYLONITRILE	7.190	6.943	6.707	6.730	6.518	6.349	6.906	0.505	10.08	948655	6.081	0.074	8
18	tert-BUTANOL	8.498	8.212	7.204	8.169	7.259	6.382	7.704	0.868	8.67	1166679	7.947	0.140	1
19	1,1-DICHLOROETHENE	5.083	5.009	4.800	4.711	4.475	4.489	4.766	0.372	7.80	700453	4.810	0.147	3
20	METHYLENE CHLORIDE	5.408	5.832	5.220	5.039	4.838	4.387	5.037	0.598	11.88	770536	5.193	-0.155	-3
21	ALLYL CHLORIDE	1.311	1.300	1.285	1.260	1.192	1.213	1.261	0.048	3.59	377016	1.363	0.003	0
22	TRICHLOROTRIFLUOROETHANE	2.389	2.754	2.567	2.500	2.494	2.457	2.560	0.185	7.22	1200841	2.681	0.021	0
23	CARBON DISULFIDE	12.357	11.591	11.372	11.290	10.396	11.277	11.562	0.880	5.91	1690879	11.393	-0.169	-1
24	trans-1,2-DICHLOROETHENE	5.041	4.894	4.693	4.658	4.511	4.515	4.719	0.211	4.48	705979	4.748	0.030	0
25	1,1-DICHLOROETHANE	5.708	5.281	5.073	5.703	5.481	5.540	5.465	0.479	8.03	959748	5.793	-0.192	-3
26	cis-1,2-DICHLOROETHENE	4.707	4.513	4.257	4.311	4.108	4.157	4.264	0.219	4.39	647552	4.355	-0.008	-0
27	t-BUTYL METHYL ETHER	3.225	3.346	3.586	3.580	3.503	3.501	3.775	0.242	3.76	1295308	3.712	-0.063	-0
28	VINYL ACETATE	17.104	16.725	15.647	15.325	16.261	16.267	15.311	0.026	1.96	2425117	16.211	-0.000	-0
29	2-BUTANONE	14.052	13.313	13.572	13.364	13.255	13.000	13.675	0.410	3.00	1985714	13.356	-0.320	-2
30	3-METHYL PENTANE	3.061	3.056	3.095	3.107	3.304	3.380	3.071	0.183	2.02	1034651	3.977	-0.094	-1
31	ETHYL ACETATE	15.487	14.598	14.561	14.545	13.307	14.424	14.504	0.510	3.49	2085369	14.026	-0.578	-3
32	n-HEXANE	7.580	7.231	7.168	6.970	6.928	6.871	7.108	0.291	3.95	1037667	6.979	-0.129	-1
33	CHLOROFORM	4.324	4.548	4.408	4.206	4.003	4.020	4.272	0.264	5.31	656785	4.417	0.044	1
34	2-METHYL-1-PROPANOL	8.425	8.818	8.672	8.822	8.478	8.090	8.150	0.592	11.24	315656	8.165	0.005	0
35	1,2-DICHLOROETHANE-D4	3.051	3.393	3.204	3.755	3.610	3.541	3.310	0.191	8.42	429906	2.385	0.072	1
36	1,2-DICHLOROETHANE	4.373	4.295	3.381	3.790	3.503	3.334	3.391	0.414	10.08	502539	4.053	0.061	1
37	1,4-DIFLUOROBENZENE	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.00	960103	1.000	0.000	0
38	1,1,1-TRICHLOROETHANE	0.485	0.447	0.446	0.427	0.424	0.433	0.444	0.023	5.08	462813	0.482	0.038	8
39	1-BUTANOL	0.572	0.543	0.702	0.547	0.443	0.373	0.563	0.129	22.89	561727	0.585	0.022	3
40	BENZENE	1.844	1.794	1.757	1.759	1.788	1.858	1.800	0.043	2.37	1776443	1.850	0.050	2
41	CARBON TETRACHLORIDE	0.386	0.367	0.354	0.344	0.343	0.355	0.358	0.016	4.48	381938	0.398	0.040	11
42	VALERALDEHYDE (PENTANAL)	1.055	1.097	1.101	1.125	1.149	1.178	1.118	0.045	3.87	1108311	1.154	0.037	3
43	1,2-DICHLOROPROPANE	0.553	0.500	0.521	0.505	0.506	0.511	0.521	0.019	3.53	504929	0.526	0.005	0
44	1,4-DICXANE	0.307	0.312	0.323	0.314	0.304	0.301	0.310	0.008	2.83	315838	0.330	0.020	6
45	BROMODICHLOROMETHANE	0.530	0.510	0.483	0.465	0.460	0.467	0.486	0.028	5.83	498099	0.519	0.033	6
46	TRICHLOROETHENE	0.352	0.352	0.348	0.341	0.338	0.345	0.346	0.006	1.84	342425	0.357	0.010	2
47	EPICHLORCHYDRIN	0.084	0.090	0.081	0.085	0.082	0.086	0.085	0.003	3.71	31726	0.085	0.001	0
48	METHYL METHACRYLATE	0.955	0.997	1.001	1.017	1.013	1.049	1.005	0.031	3.06	1000511	1.042	0.037	3
49	HEPTANE	1.383	1.373	1.363	1.393	1.395	1.436	1.390	0.025	1.82	1339479	1.395	0.005	0
50	cis-1,3-DICHLOROPROPENE	0.657	0.584	0.674	0.677	0.674	0.690	0.676	0.011	1.64	392227	0.718	0.042	6
51	4-METHYL-2-PENTANONE	1.723	1.737	1.753	1.758	1.782	1.817	1.758	0.032	1.81	1737293	1.809	0.051	2
52	DIMETHYL DISULFIDE	0.633	0.690	0.743	0.795	0.805	0.844	0.752	0.079	10.54	727499	0.758	0.006	0
53	trans-1,3-DICHLOROPROPENE	0.538	0.565	0.611	0.640	0.631	0.670	0.609	0.049	8.10	336887	0.675	0.066	10
54	1,1,2-TRICHLOROETHANE	0.351	0.344	0.336	0.338	0.338	0.347	0.342	0.006	1.77	344680	0.359	0.017	4
55	CHLOROBENZENE-D5	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.00	540945	1.000	0.000	**
56	TOLUENE-D8	1.614	1.581	1.613	1.582	1.623	1.618	1.605	0.019	1.16	1102853	1.721	0.116	**
57	1,2-DICHLOROPROPANE													

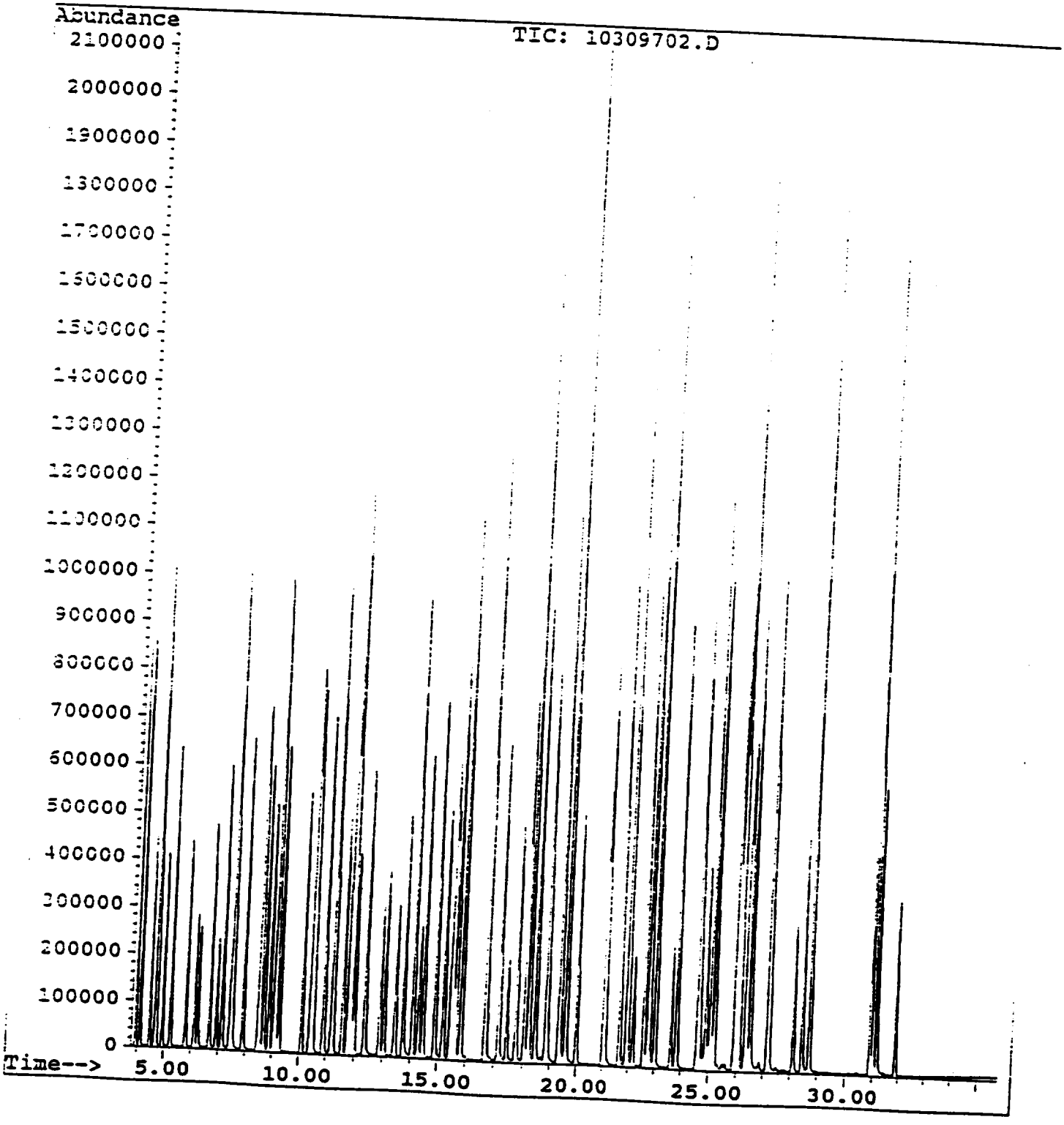
TO-14 INITIAL/CONTINUING CALIBRATION RESULTS

Cont. Cal. Date: 30 Oct 97 7:55 am
Cont. Cal. File: C:\HPCHEM\1\DATA\S103097\10309702.D
Operator: CJC
Date: 30 Oct 97 7:55 am
Sample: 50 NG TO-14 STD (S10299701/S010299702)
Inst. ID: HP 5989A/ENTECH 7000

NG	Filename
50	10299709
5	10299712
10	10299711
20	10299710
75	10299708
100	10299707

CPD #	Compound	Initial Calibration 5	10	20	50	75	100	AVE RR	SD	%RSD	Continuing Calibration CC AREA	CC RRF	D	
58	TOLUENE	2.256	2.197	2.227	2.208	2.241	2.278	2.231	0.041	1.83	1599985	2.496	0.265	
59	2-HEXANONE	2.054	2.192	2.258	2.330	2.378	2.471	2.279	0.148	6.49	1684157	2.628	0.349	
60	HEXANAL	0.768	0.797	0.841	0.874	0.868	0.899	0.841	0.050	5.92	617904	0.964	0.123	
61	DIBROMOCHLOROMETHANE	0.501	0.462	0.467	0.454	0.452	0.463	0.467	0.013	2.82	344133	0.537	0.070	
62	BUTYL ACETATE	2.406	2.582	2.781	2.905	2.916	3.033	2.772	0.209	8.92	2099489	3.276	0.503	
63	TETRAHYDROTHIOPHENE	0.395	0.378	0.426	0.443	0.450	0.459	0.425	0.032	8.48	374669	1.053	0.127	
64	OCTANE	0.838	0.798	0.829	0.788	0.799	0.808	0.844	0.097	8.09	1023965	0.158	0.314	
65	1,2-DIBROMOETHANE	0.525	0.509	0.514	0.506	0.512	0.523	0.515	0.007	1.44	379386	0.592	0.077	
66	TETRACHLOROETHENE	0.592	0.576	0.592	0.571	0.579	0.582	0.582	0.009	1.65	280775	0.438	0.056	
67	CHLOROBENZENE	1.187	1.200	1.242	1.251	1.246	1.275	1.255	0.022	1.80	969428	1.512	0.158	
68	ETHYLBENZENE	0.724	0.709	0.756	0.769	0.771	0.792	0.758	0.024	3.18	360724	0.375	0.118	
69	m & p - XYLENES	0.398	0.367	0.384	0.381	0.392	1.017	0.390	0.017	4.70	1484410	1.142	0.153	
70	BROMOFORM	0.251	0.236	0.237	0.247	0.246	0.251	0.244	0.007	2.98	252294	0.394	0.049	
71	STYRENE	1.295	1.270	1.456	1.499	1.531	1.585	1.456	0.107	7.36	1090250	1.701	0.245	
72	2-BUTOXYETHANOL	2.082	1.359	1.342	1.362	1.356	2.000	1.380	0.044	3.25	1400470	2.195	0.205	
73	1,1,2,2-TETRACHLOROETHANE	1.022	0.982	0.944	0.925	0.932	0.944	0.958	0.037	3.87	376481	1.055	0.097	
74	NONANE	2.794	2.582	2.804	2.801	2.825	2.888	2.849	0.080	3.02	1855154	2.894	0.345	
75	o - XYLENE	0.959	0.927	0.929	0.922	0.923	0.936	0.932	0.014	1.48	575720	1.056	0.123	
76	CUMENE	2.048	2.047	2.078	2.076	2.102	2.148	2.083	0.038	1.83	1514160	2.062	0.279	
77	1-HEPTANOL	0.136	0.074	0.066	0.087	0.158	0.140	0.255	0.104	40.98	141574	0.221	-0.004	
78	4-ETHYLTOLUENE	2.464	2.407	2.480	2.469	2.502	2.542	2.483	0.036	1.45	1771070	2.764	0.291	
79	a-PINENE	1.079	1.008	1.000	1.057	1.049	1.093	1.006	0.040	3.01	1008847	1.574	0.208	
80	bis-2-CHLOROETHYL ETHER	0.571	0.692	0.750	0.772	0.566	0.612	0.694	0.059	8.46	528244	0.824	0.100	
81	1,3,5-TRIMETHYLBENZENE	1.393	1.348	1.332	1.306	1.342	1.375	1.349	0.031	1.87	1025021	2.067	0.218	
82	n-DECANE	2.524	2.067	2.036	2.091	2.021	2.094	2.072	0.083	3.48	1645179	2.567	0.194	
83	beta-PINENE	1.129	1.098	1.168	1.156	1.178	1.207	1.156	0.038	3.02	870269	1.362	0.207	
84	1,2,4-TRIMETHYLBENZENE	1.363	1.312	1.346	1.278	1.313	1.304	1.342	0.064	3.45	1014697	2.051	0.203	
85	BROMOFLUOROBENZENE	0.226	0.240	0.241	0.227	0.224	0.222	0.237	0.004	1.53	142195	0.222	-0.015	
86	BENZYL CHLORIDE	1.206	1.241	1.310	1.418	1.451	1.517	1.257	0.124	9.12	1027772	1.604	0.247	
87	1,3-DICHLOROBENZENE	0.834	0.798	0.783	0.771	0.772	0.779	0.789	0.024	3.01	573490	0.895	0.105	
88	2-ETHYL-1-HEXANOL	0.088	0.460	0.549	0.504	0.281	0.267	0.425	0.138	32.59	208664	0.325	-0.099	
89	1,4-DICHLOROBENZENE	0.872	0.921	0.910	0.876	0.878	0.889	0.908	0.036	4.01	560693	1.031	0.123	
90	d-LIMONENE	0.898	0.901	0.909	0.912	0.926	0.936	0.914	0.015	1.59	643584	1.004	0.090	
91	1,2-DICHLOROBENZENE	0.853	0.816	0.784	0.743	0.750	0.755	0.784	0.043	5.54	555419	0.867	0.083	
92	1-NONANOL	0.076	0.048	0.314	0.296	0.271	0.267	0.310	0.044	14.20	204342	0.319	0.008	
93	1,2-DIBROMO-3-CHLOROPROPA	0.220	0.322	0.326	0.303	0.302	0.311	0.314	0.010	3.25	218510	0.341	0.027	
94	NONANAL	0.203	0.254	0.285	0.309	0.311	0.321	0.281	0.045	16.01	211405	0.330	0.048	
95	n-UNDECANE	2.210	2.100	2.080	1.987	1.996	2.054	2.071	0.082	3.94	1414450	2.207	0.136	
96	n-DODECANE	2.318	1.901	1.797	1.736	1.867	1.845	1.794	0.144	8.03	1214952	1.896	0.102	
97	1,2,4-TRICHLOROBENZENE	0.427	0.461	0.446	0.426	0.417	0.421	0.433	0.017	3.95	307405	0.480	0.047	
98	NAPHTHALENE	1.400	1.435	1.409	1.342	1.309	1.334	1.371	0.050	3.64	951783	1.485	0.114	
99	HEXACHLOROBUTADIENE	0.309	0.272	0.267	0.248	0.248	0.252	0.266	0.022	8.58	190350	0.297	0.031	

File : C:\HPCHEM\1\DATA\S103097\10309702.D
Operator : CJC
Acquired : 30 Oct 97 7:55 am using AcqMethod FCTO14B
Instrument : 5989 - In
Sample Name: 50 NG TO-14 STD (S10299701/S010299702)
Misc Info :
Vial Number: 2



TO-14 RESULTS (PAGE 1 OF 3)

File	C:\HPCHEM\1\DATA\S103097\10309702.D
Operator	CJC
Date	30 Oct 97 7:55 am
Sample	50 NG TO-14 STD (S10299701/S010299702)
Conditions	5989A/ENTECH 7000

CPD

#	Compound	RRT(L)	Area	RRF	Amount	Units	PPB(V)
1	BROMOCHLOROMETHANE	11.83	148678	1.000	50.00	NG	**
2	PROPENE	3.97	1000714	9.986	33.70	NG	19.63
3	DICHLORODIFLUOROMETHANE	4.12	1284576	4.404	98.10	NG	20.00
4	CHLOROMETHANE	4.48	372814	5.387	42.00	NG	20.55
5	DICHLOROTETRAFLUOROETHA	4.69	1095006	3.341	140.40	NG	20.20
6	VINYL CHLORIDE	4.96	725411	4.879	50.00	NG	19.73
7	1,3-BUTADIENE	5.25	752629	5.514	45.90	NG	20.79
8	BROMOMETHANE	5.30	506077	2.031	73.00	NG	19.00
9	CHLOROETHANE	5.13	471098	2.381	55.00	NG	21.02
10	ETHANOL	5.25	483414	3.251	50.00	NG	26.59
11	ACETONITRILE	5.59	1024442	3.308	50.00	NG	29.33
12	ACROLEIN	5.34	381171	2.564	50.00	NG	21.84
13	ACETONE	7.15	429657	2.390	50.00	NG	21.09
14	PROPYLENE OXIDE	7.41	322105	2.167	50.00	NG	21.09
15	TRICHLOROFLUOROMETHANE	7.50	340131	2.374	110.00	NG	19.73
16	ISOPROPYL ALCOHOL	7.51	1439423	10.385	50.00	NG	20.38
17	ACRYLONITRILE	7.32	348655	3.281	50.00	NG	20.38
18	tert-BUTANOL	8.50	1166679	7.347	50.00	NG	16.53
19	1,1-DICHLOROETHENE	8.34	700453	4.313	50.00	NG	12.74
20	METHYLENE CHLORIDE	8.39	768900	5.172	50.00	NG	14.56
21	ALLYL CHLORIDE	8.38	277016	1.363	50.00	NG	16.09
22	TRICHLOROTRIFLUOROETHANE	9.10	1200841	2.381	151.00	NG	19.36
23	CARBON DISULFIDE	9.27	1693879	11.293	50.00	NG	16.09
24	trans-1,2-DICHLOROETHENE	10.11	706978	4.748	50.00	NG	12.74
25	1,1-DICHLOROETHANE	10.41	359748	5.783	50.00	NG	12.48
26	cis-1,2-DICHLOROETHENE	11.58	547552	4.355	50.00	NG	12.74
27	t-BUTYL METHYL ETHER	10.44	1295308	3.712	50.00	NG	13.90
28	VINYL ACETATE	10.52	2425117	16.011	50.00	NG	14.22
29	2-BUTANONE	10.90	1985714	13.256	50.00	NG	16.89
30	3-METHYL PENTANE	11.22	1004651	3.377	50.00	NG	14.22
31	ETHYL ACETATE	11.77	2085369	14.026	50.00	NG	13.90
32	n-HEXANE	11.35	1037667	6.979	50.00	NG	14.22
33	CHLOROFORM	11.98	656785	4.417	50.00	NG	10.36
34	2-METHYL-1-PROPANOL	12.36	916656	6.165	50.00	NG	16.53
35	1,2-DICHLOROETHANE-D4	12.39	429906	2.385	50.00	NG	**
36	1,2-DICHLOROETHANE	13.04	602539	4.053	50.00	NG	12.48
37	1,4-DIFLUOROBENZENE	14.45	360103	1.000	50.00	NG	**
38	1,1,1-TRICHLOROETHANE	13.42	462813	0.482	50.00	NG	9.27
39	1-BUTANOL	13.73	561727	0.585	50.00	NG	16.53
40	BENZENE	14.08	1776443	1.850	50.00	NG	15.68
41	CARBON TETRACHLORIDE	14.30	381938	0.398	50.00	NG	8.05
42	VALERALDEHYDE (PENTANAL)	14.90	1108311	1.154	50.00	NG	14.22
43	1,2-DICHLOROPROPANE	15.21	504929	0.526	50.00	NG	10.92
44	1,4-DIOXANE	15.45	316838	0.330	50.00	NG	13.90

File	C:\HPCHEM\1\DATA\S103097\10309702.D
Operator	CJC
Date	30 Oct 97 7:55 am
Sample	50 NG TO-14 STD (S10299701/S010299702)
Conditions	5989A/ENTECH 7000

CPD #	Compound	RRT	Area	RRF	Amount	Units	
45	BROMODICHLOROMETHANE	15.46	498099	0.519	50.00	NG	7.55
46	TRICHLOROETHENE	15.53	342425	0.357	50.00	NG	9.41
47	EPICHLOROHYDRIN	15.62	81726	0.085	50.00	NG	13.29
48	METHYL METHACRYLATE	15.63	1000511	1.042	50.00	NG	12.23
49	HEPTANE	15.34	1339987	1.396	50.00	NG	12.23
50	cis-1,3-DICHLOROPROPENE	16.70	992227	0.718	72.00	NG	13.01
51	4-METHYL-2-PENTANONE	16.69	1787293	1.309	50.00	NG	12.23
52	DIMETHYL DISULFIDE	17.17	727499	0.758	50.00	NG	13.01
53	trans-1,3-DICHLOROPROPENE	17.44	336887	0.875	26.00	NG	8.78
54	1,1,2-TRICHLOROETHANE	17.77	344680	0.359	50.00	NG	9.27
55	CHLOROBENZENE-D5	21.03	540945	1.000	50.00	NG	**
56	TOLUENE-D8	18.06	1102953	1.721	50.00	NG	**
57	1,3-DICHLOROPROPANE	18.22	324237	1.296	50.00	NG	10.82
58	TOLUENE	18.22	1599985	2.496	50.00	NG	13.29
59	2-HEXANONE	18.46	1884167	2.329	50.00	NG	12.23
60	HEXANAL	18.34	317904	0.364	50.00	NG	12.23
61	DIBROMOCHLOROMETHANE	18.39	344103	0.537	50.00	NG	8.84
62	BUTYL ACETATE	19.06	2099439	3.276	50.00	NG	10.54
63	TETRAHYDROTHIOPHENE	19.57	874669	1.053	50.00	NG	13.30
64	OCTANE	19.59	2022965	3.158	50.00	NG	10.73
65	1,2-DIBROMOETHANE	19.81	379036	0.592	50.00	NG	8.53
66	TETRACHLOROETHENE	20.00	290775	0.408	50.00	NG	7.46
67	CHLOROBENZENE	21.10	969428	1.512	50.00	NG	10.92
68	ETHYLBENZENE	21.58	560724	0.875	50.00	NG	11.54
69	m & p - XYLENES	21.97	1484410	1.142	100.00	NG	23.08
70	BROMOFORM	22.20	252294	0.394	50.00	NG	4.89
71	STYRENE	22.50	1030260	1.701	50.00	NG	11.76
72	2-BUTOXYETHANOL	23.03	1400470	2.185	50.00	NG	10.36
73	1,1,2,2-TETRACHLOROETHANE	22.76	676481	1.055	50.00	NG	7.37
74	NONANE	23.02	1855154	2.894	50.00	NG	9.55
75	o - XYLENE	22.81	676720	1.056	50.00	NG	11.54
76	CUMENE	23.84	1514160	2.362	50.00	NG	10.19
77	1-HEPTANOL	24.67	141674	0.221	50.00	NG	10.54
78	4-ETHYLTOLUENE	25.06	1771373	2.764	50.00	NG	10.19
79	a-PINENE	24.59	1008847	1.574	50.00	NG	8.99
80	bis-(2-CHLOROETHYL) ETHER	24.89	529244	0.824	50.00	NG	8.61
81	1,2,3-TRIMETHYLBENZENE	25.20	1325021	2.067	50.00	NG	10.19
82	n-DECANE	26.10	1644832	2.566	50.00	NG	8.61
83	beta-PINENE	25.94	873269	1.362	50.00	NG	8.99
84	1,2,4-TRIMETHYLBENZENE	26.03	1314697	2.051	50.00	NG	10.19
85	BROMOFLUOROBENZENE	23.63	142185	0.222	50.00	NG	**
86	BENZYL CHLORIDE	26.32	1027772	1.604	50.00	NG	9.71
87	1,3-DICHLOROBENZENE	26.39	573490	0.895	50.00	NG	8.38

TO-14 RESULTS (PAGE 3 OF 3)

File	C:\HPCHEM\1\DATA\S103097\10309702.D
Operator	CJC
Date	30 Oct 97 7:55 am
Sample	50 NG TO-14 STD (S10299701/S010299702)
Conditions	5989A/ENTECH 7000

CPD #	Compound	RRT(L)	Area	RRF	Amount	Units	PPB(V)
88	2-ETHYL-1-HEXANOL	26.51	208664	0.326	50.00	NG	9.41
89	1,4-DICHLOROBENZENE	26.51	660693	1.031	50.00	NG	8.38
90	d-LIMONENE	27.16	643584	1.004	50.00	NG	8.99
91	1,2-DICHLOROBENZENE	27.22	555419	0.867	50.00	NG	8.38
92	1-NONANOL	31.03	204342	0.319	50.00	NG	8.49
93	1,2-DIBROMO-3-CHLOROPROPA	28.14	218510	0.341	50.00	NG	5.23
94	NONANAL	29.45	211405	0.330	50.00	NG	8.81
95	n-UNDECANE	29.73	1414450	2.207	50.00	NG	7.84
96	n-DODECANE	31.03	1214952	1.896	50.00	NG	7.19
97	1,2,4-TRICHLOROBENZENE	30.31	307405	0.480	50.00	NG	6.79
98	NAPHTHALENE	31.18	951783	1.485	50.00	NG	9.35
99	HEXACHLOROBUTADIENE	31.30	190350	0.297	50.00	NG	4.74

TO-14 INITIAL/CONTINUING CALIBRATION RESULTS
FULLCR.XLS

Cont. Cal. Date: 3 Nov 97 9:46 am
Cont. Cal. File: C:\HPCHEM\1\DATA\S110397\11039703.D
Operator: CJC
Date: 3 Nov 97 9:46 am
Sample: 50 NG TO-14 STD (S10299701/S10299702)
Inst. ID: HP 5989A/ENTECH 7000

NG	Filename
50	10299709.D
5	10299712.D
10	10299711.D
20	10299710.D
75	10299708.D
100	10299707.D

CPD		Initial Calibration									Continuing Calibration			
#	Compound	5	10	20	50	75	100	AVE RR	SD	%RSD	CC AREA	CC RRF	D	%R
1	BROMOCHLOROMETHANE	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.00	135502	1.000	0.000	**
2	PROPENE	11.101	10.252	10.114	10.176	9.866	10.189	10.283	0.423	4.11	947245	10.372	0.089	0.8
3	DICHLORODIFLUOROMETHANE	3.813	3.547	3.477	3.452	3.508	3.580	3.563	0.131	3.67	1099610	4.136	0.573	16.0
4	CHLOROMETHANE	5.969	5.366	5.069	5.014	4.774	5.013	5.201	0.421	8.10	518384	5.433	0.232	4.4
5	DICHLOROTETRAFLUOROETHA	3.551	3.165	3.044	2.948	2.756	2.855	3.053	0.283	9.25	1331578	3.500	0.446	14.6
6	VINYL CHLORIDE	5.164	4.813	4.573	4.409	4.190	4.442	4.598	0.344	7.49	568349	4.932	0.334	7.2
7	1,3-BUTADIENE	5.875	5.291	5.126	5.093	4.859	5.047	5.215	0.352	6.75	685231	5.509	0.294	5.6
8	BROMOMETHANE	2.424	2.199	2.083	2.009	1.904	1.977	2.099	0.188	8.97	473933	2.396	0.296	14.1
9	CHLOROETHANE	3.252	2.973	2.806	2.656	2.533	2.586	2.801	0.273	9.74	428821	2.877	0.076	2.7
10	ETHANOL	3.607	3.497	3.307	3.032	2.795	2.745	3.164	0.362	11.44	448186	3.308	0.144	4.5
11	ACETONITRILE	10.451	9.443	9.384	8.729	8.094	8.309	9.018	0.565	7.08	1227084	9.058	0.038	0.4
12	ACROLEIN	2.850	2.515	2.513	2.505	2.376	2.431	2.548	0.169	6.62	340357	2.512	-0.036	-1.4
13	ACETONE	3.333	3.026	2.840	2.738	2.667	2.657	2.877	0.262	9.11	397132	2.931	0.054	1.8
14	PROPYLENE OXIDE	2.430	2.203	2.093	1.935	1.867	1.857	2.064	0.225	10.88	288848	2.132	0.067	3.2
15	TRICHLOROFLUOROMETHANE	3.561	2.561	2.491	2.349	2.246	2.295	2.601	0.494	18.99	310370	3.054	0.453	17.4
16	ISOPROPYL ALCOHOL	12.085	10.533	10.089	9.550	8.926	8.513	9.983	1.283	12.85	1410899	10.412	0.429	4.3
17	ACRYLONITRILE	7.190	6.043	5.707	5.730	5.518	5.849	6.006	0.605	10.08	380304	5.497	0.490	8.1
18	tert-BUTANOL	3.498	8.212	7.204	8.169	7.259	6.382	7.704	0.568	8.67	1108254	8.179	0.475	6.1
19	1,1-DICHLOROETHENE	5.383	5.039	4.500	4.711	4.475	4.489	4.766	0.372	7.80	589651	5.090	0.323	6.7
20	METHYLENE CHLORIDE	8.408	5.332	5.220	5.039	4.838	4.987	5.037	0.598	11.20	723661	5.341	0.003	0.0
21	ALLYL CHLORIDE	1.911	1.300	1.885	1.363	1.792	1.813	1.861	0.048	2.59	249915	1.844	-0.016	-0.9
22	TRICHLOROTRIFLUOROETHANE	2.389	2.754	2.567	2.500	2.494	2.457	2.560	0.195	7.62	1127406	2.755	0.095	3.5
23	CARBON DISULFIDE	12.357	11.591	11.372	11.290	10.896	11.277	11.362	0.583	5.31	1598677	11.736	0.236	2.0
24	trans-1,2-DICHLOROETHENE	5.041	4.394	4.593	4.358	4.511	4.515	4.719	0.211	4.48	369385	4.340	0.221	4.5
25	1,1-DICHLOROETHANE	5.708	5.281	6.073	5.703	5.481	5.540	5.365	0.479	9.03	908051	5.363	-0.001	-0.0
26	cis-1,2-DICHLOROETHENE	4.707	4.513	4.357	4.311	4.138	4.157	4.364	0.218	4.99	523311	4.600	0.236	5.4
27	t-BUTYL METHYL ETHER	9.235	8.846	8.686	8.580	8.603	8.501	8.775	0.242	2.76	1246787	8.201	0.426	4.8
28	VINYL ACETATE	17.134	15.705	16.647	15.825	16.261	16.267	16.811	0.326	1.96	2277618	16.909	0.197	1.1
29	2-BUTANONE	14.352	13.310	13.572	13.364	13.255	13.300	13.575	0.410	3.00	1372[illegible]	13.816	0.1[illegible]	1.3
30	3-METHYL PENTANE	9.261	9.056	9.095	9.127	8.804	8.980	9.071	0.183	2.02	1245051	9.188	0.118	1.3
31	ETHYL ACETATE	15.487	14.598	14.561	14.545	13.907	14.424	14.604	0.510	3.49	1965855	14.508	-0.096	-0.6
32	n-HEXANE	7.580	7.231	7.168	6.970	6.828	6.871	7.108	0.281	3.95	986191	7.278	0.170	2.3
33	CHLOROFORM	4.924	4.848	4.408	4.236	4.003	4.020	4.373	0.364	8.31	630051	4.650	0.276	6.3
34	2-METHYL-1-PROPANOL	8.485	8.815	8.372	8.522	5.479	5.090	8.150	0.592	11.24	867135	8.399	0.239	2.8
35	1,2-DICHLOROETHANE-D4	2.851	2.393	2.924	2.755	2.610	2.541	2.912	0.191	6.42	418707	3.075	0.263	**
36	1,2-DICHLOROETHANE	4.373	4.265	3.981	3.790	3.603	3.504	3.931	0.414	10.08	572230	4.225	0.[illegible]	5.3
37	1,4-DIFLUOROBENZENE	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.00	992988	1.000	0.000	0.00
38	1,1,1-TRICHLOROETHANE	0.485	0.447	0.446	0.427	0.424	0.433	0.444	0.023	5.08	453246	0.508	0.064	14.43
39	1-BUTANOL	0.572	0.643	0.702	0.647	0.443	0.373	0.563	0.129	22.89	524394	0.587	0.024	4.24
40	BENZENE	1.844	1.794	1.757	1.759	1.788	1.858	1.800	0.043	2.37	1641239	1.838	0.038	2.10
41	CARBON TETRACHLORIDE	0.386	0.367	0.354	0.344	0.343	0.355	0.358	0.016	4.48	356243	0.398	0.040	11.09
42	VALERALDEHYDE (PENTANAL)	1.055	1.097	1.101	1.125	1.149	1.178	1.118	0.043	3.87	1063242	1.191	0.073	6.5
43	1,2-DICHLOROPROPANE	0.553	0.530	0.521	0.505	0.506	0.511	0.521	0.018	3.53	469662	0.526	0.005	0.9
44	1,4-DIOXANE	0.307	0.312	0.323	0.314	0.304	0.301	0.310	0.008	2.63	302557	0.339	0.028	9.1
45	BROMODICHLOROMETHANE	0.530	0.510	0.483	0.465	0.460	0.467	0.486	0.028	5.83	474373	0.531	0.045	9.3
46	TRICHLOROETHENE	0.352	0.352	0.348	0.341	0.338	0.345	0.346	0.006	1.64	311892	0.349	0.003	0.8
47	EPICHLOROHYDRIN	0.084	0.090	0.081	0.085	0.082	0.086	0.085	0.003	3.71	56212	0.074	-0.010	-12.3
48	METHYL METHACRYLATE	0.955	0.997	1.001	1.017	1.013	1.049	1.005	0.031	3.06	351317	1.065	0.060	5.9
49	HEPTANE	1.383	1.373	1.363	1.393	1.395	1.436	1.390	0.025	1.82	1288875	1.443	0.053	3.8
50	cis-1,3-DICHLOROPROPENE	0.657	0.684	0.674	0.677	0.674	0.690	0.676	0.011	1.64	921763	0.717	0.041	6.0
51	4-METHYL-2-PENTANONE	1.723	1.737	1.753	1.758	1.762	1.817	1.758	0.032	1.81	1658112	1.857	0.098	5.8
52	DIMETHYL DISULFIDE	0.633	0.690	0.743	0.795	0.805	0.844	0.752	0.079	10.54	507266	0.568	-0.183	-24.4
53	trans-1,3-DICHLOROPROPENE	0.538	0.565	0.611	0.640	0.631	0.670	0.608	0.049	8.10	313280	0.675	0.065	10.7
54	1,1,2-TRICHLOROETHANE	0.351	0.344	0.336	0.338	0.338	0.347	0.342	0.006	1.77	325981	0.365	0.023	6.6
55	CHLOROBENZENE-D5	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.00	801576	1.000	0.000	**
56	TOLUENE-D8	1.614	1.581	1.613	1.582	1.623	1.618	1.605	0.019	1.16	1061701	1.765	0.160	**
57	1,3-DICHLOROPROPANE	1.249	1.142	1.131	1.119	1.132	1.126	1.150	0.049	4.28	765260	1.272	0.122	10.6

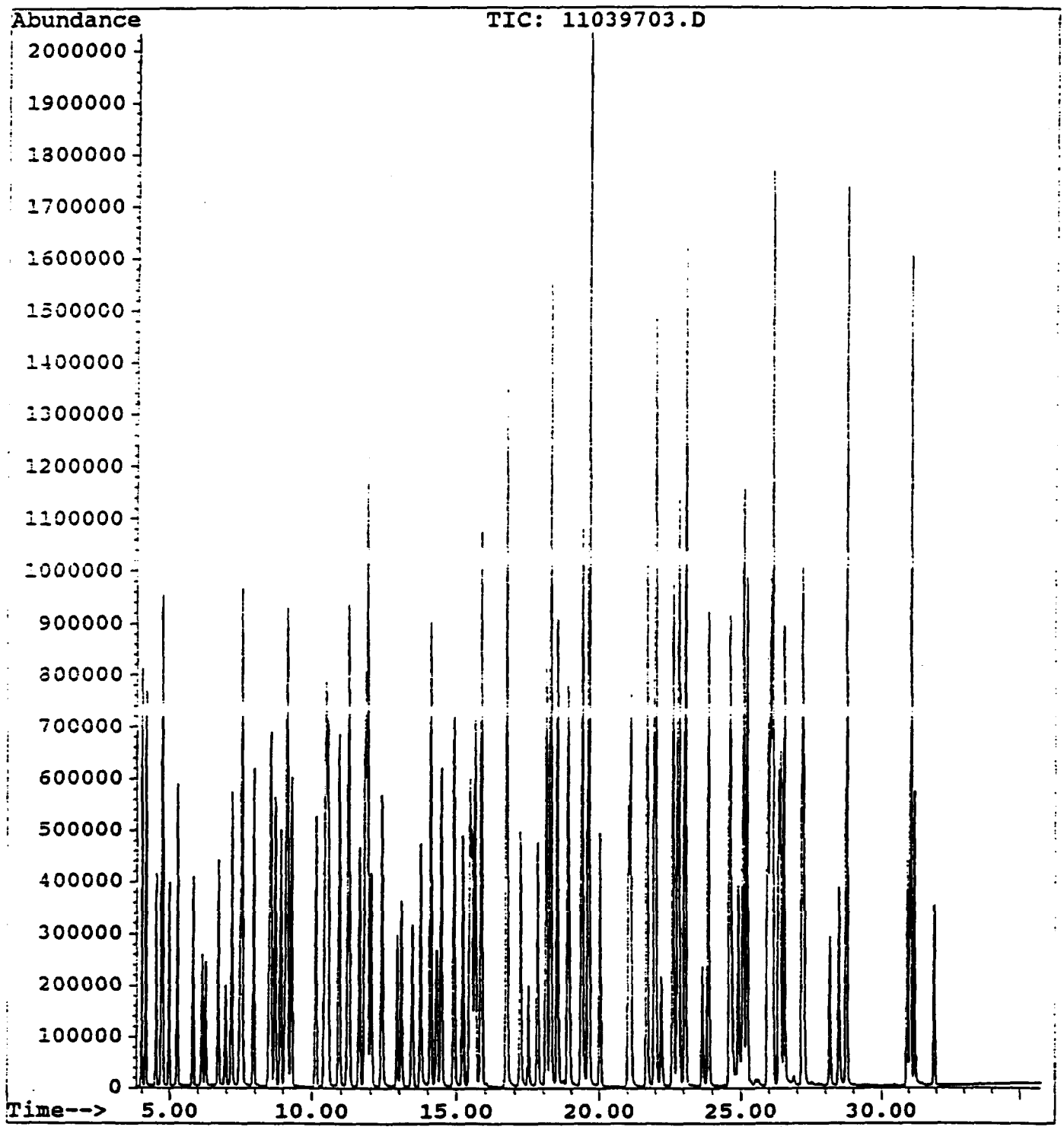
TO-14 INITIAL/CONTINUING CALIBRATION RESULTS

Cont. Cal. Date: 3 Nov 97 9:46 am
Cont. Cal. File: C:\HPCHEM\1\DATA\S110397\11039703.D
Operator: CJC
Date: 3 Nov 97 9:46 am
Sample: 50 NG TO-14 STD (S10299701/S10299702)
Inst. ID: HP 5989A/ENTECH 7000

NG	Filename
50	10299708.D
5	10299712.D
10	10299711.D
20	10299710.D
75	10299708.D
100	10299707.D

CPD		Initial Calibration									Continuing Calibration			
#	Compound	5	10	20	50	75	100	AVE RR	SD	%RSD	CC AREA	CC RRF	D	%R
58	TOLUENE	2.266	2.167	2.227	2.208	2.241	2.276	2.231	0.041	1.83	1511375	2.512	0.281	12.
59	2-HEXANONE	2.054	2.182	2.258	2.330	2.378	2.471	2.279	0.148	6.49	1590960	2.645	0.366	16.
60	HEXANAL	0.768	0.797	0.841	0.874	0.868	0.999	0.841	0.050	5.92	582410	0.968	0.127	15.
61	DIBROMOCHLOROMETHANE	0.501	0.462	0.467	0.454	0.453	0.463	0.467	0.018	3.82	310394	0.516	0.049	10.
62	BUTYL ACETATE	2.406	2.582	2.761	2.935	2.916	3.033	2.772	0.239	8.62	1949590	3.241	0.469	16.
63	TETRAHYDROTHIOPHENE	0.895	0.878	0.926	0.943	0.950	0.959	0.925	0.032	3.49	548844	1.079	0.153	16.
64	OCTANE	3.038	2.798	2.928	2.788	2.789	2.923	2.944	0.097	3.29	1908075	3.172	0.328	11.
65	1,2-DIBROMOETHANE	0.525	0.509	0.514	0.506	0.512	0.523	0.515	0.007	1.44	359813	0.598	0.083	16.
66	TETRACHLOROETHENE	0.292	0.276	0.292	0.271	0.279	0.282	0.282	0.009	2.25	249608	0.415	0.033	8.6
67	CHLOROBENZENE	1.387	1.330	1.342	1.351	1.345	1.375	1.355	0.022	1.60	367059	1.441	0.086	5.9
68	ETHYLBENZENE	0.724	0.739	0.756	0.769	0.771	0.792	0.758	0.024	3.18	529632	0.979	0.120	15.
69	m & p - XYLENES	0.398	0.367	0.384	0.381	0.992	1.017	0.990	0.017	1.70	1371151	1.140	0.150	15.
70	BROMOFORM	0.251	0.236	0.237	0.247	0.246	0.251	0.244	0.007	1.98	231815	0.385	0.041	11.
71	STYRENE	1.295	1.370	1.456	1.499	1.531	1.585	1.456	0.107	7.36	1025397	1.705	0.249	17.
72	2-BUTOXYETHANOL	2.062	1.959	1.942	1.962	1.956	2.000	1.980	0.044	2.25	1311221	2.180	0.199	
73	1,1,2,2-TETRACHLOROETHANE	1.022	0.982	0.944	0.925	0.932	0.944	0.958	0.037	3.87	347555	1.076	0.118	
74	NONANE	2.794	2.582	2.604	2.601	2.525	2.588	2.549	0.080	3.02	1762175	2.929	0.280	10.5
75	o - XYLENE	0.959	0.927	0.928	0.922	0.923	0.936	0.932	0.014	1.49	639631	1.063	0.131	14.0
76	CUMENE	2.048	2.047	2.078	2.076	2.102	2.148	2.083	0.038	1.83	1443700	2.400	0.317	15.2
77	1-HEPTANOL	0.196	0.274	0.266	0.387	0.168	0.140	0.255	0.104	40.88	130973	0.218	-0.037	-14.6
78	4-ETHYLTOLUENE	2.464	2.437	2.482	2.469	2.502	2.542	2.483	0.036	1.45	1722647	2.864	0.381	15.3
79	a-PINENE	1.278	1.308	1.330	1.357	1.349	1.395	1.336	0.040	3.01	952484	1.583	0.248	13.6
80	bis-(2-CHLOROETHYL) ETHER	0.671	0.692	0.750	0.772	0.666	0.612	0.694	0.059	8.46	472052	0.785	0.091	13.1
81	1,2,5-TRIMETHYLBENZENE	1.993	1.948	1.832	1.806	1.842	1.875	1.949	0.031	1.67	1257920	2.091	0.242	13.0
82	n-DECANE	2.524	2.367	2.336	2.291	2.321	2.394	2.372	0.083	3.48	1561911	2.596	0.224	9.44
83	beta-PINENE	1.129	1.098	1.168	1.156	1.178	1.207	1.156	0.038	3.32	327831	1.376	0.220	19.0
84	1,2,4-TRIMETHYLBENZENE	1.963	1.912	1.846	1.779	1.813	1.884	1.842	0.064	3.46	1246727	2.072	0.231	12.5
85	BROMOFLUOROBENZENE	0.235	0.240	0.241	0.237	0.234	0.232	0.237	0.004	1.53	157996	0.213	-0.024	**
86	BENZYL CHLORIDE	1.205	1.241	1.310	1.418	1.451	1.517	1.357	0.124	9.12	981988	1.632	0.275	20.
87	1,3-DICHLOROBENZENE	0.834	0.798	0.783	0.771	0.772	0.779	0.789	0.024	3.01	534967	0.889	0.100	12.6
88	2-ETHYL-1-HEXANOL	0.388	0.460	0.549	0.604	0.281	0.267	0.425	0.138	32.59	204786	0.340	-0.084	-19.8
89	1,4-DICHLOROBENZENE	0.972	0.921	0.910	0.876	0.878	0.889	0.908	0.036	4.01	618467	1.028	0.121	13.2
90	d-LIMONENE	0.898	0.901	0.909	0.912	0.926	0.936	0.914	0.015	1.59	520345	1.031	0.117	12.9
91	1,2-DICHLOROBENZENE	0.853	0.816	0.784	0.743	0.750	0.755	0.784	0.043	5.54	515252	0.857	0.073	8.30
92	1-NONANOL	0.376	0.348	0.314	0.286	0.271	0.267	0.310	0.044	14.20	201521	0.335	0.025	7.90
93	1,2-DIBROMO-3-CHLOROPROPA	0.320	0.322	0.326	0.303	0.302	0.311	0.314	0.010	3.25	203669	0.339	0.025	7.95
94	NONANAL	0.203	0.254	0.285	0.309	0.311	0.321	0.281	0.045	16.01	172045	0.286	0.005	1.91
95	n-UNDECANE	2.210	2.100	2.080	1.987	1.996	2.054	2.071	0.082	3.94	1351187	2.246	0.175	8.46
96	n-DODECANE	2.018	1.901	1.797	1.736	1.667	1.545	1.794	0.144	8.03	1170052	1.945	0.151	8.43
97	1,2,4-TRICHLOROBENZENE	0.427	0.461	0.446	0.426	0.417	0.421	0.433	0.017	3.95	283692	0.472	0.039	8.96
98	NAPHTHALENE	1.400	1.435	1.409	1.342	1.309	1.334	1.371	0.050	3.64	913040	1.518	0.146	10.6
99	HEXACHLOROBUTADIENE	0.309	0.272	0.267	0.249	0.248	0.252	0.266	0.023	8.68	177908	0.296	0.030	11.2

File : C:\HPCHEM\1\DATA\S110397\11039703.D
Operator : CJC
Acquired : 3 Nov 97 9:46 am using AcqMethod FCTO14B
Instrument : 5989 - In
Sample Name: 50 NG TO-14 STD (S10299701/S10299702)
Misc Info :
Vial Number: 2



File	C:\HPCHEM\1\DATA\S110397\11039703.D
Operator	CJC
Date	3 Nov 97 9:48 am
Sample	50 NG TO-14 STD (S10299701/S10299702)
Conditions	5989A/ENTECH 7000

CPD #	Compound	RRT(L)	Area	RRF	Amount	Units	PPB(V)
1	BROMOCHLOROMETHANE	11.85	135502	1.000	50.00	NG	**
2	PROPENE	3.98	947245	10.372	33.70	NG	19.63
3	DICHLORODIFLUOROMETHANE	4.13	1099610	4.136	98.10	NG	20.00
4	CHLOROMETHANE	4.49	618384	5.433	42.00	NG	20.55
5	DICHLOROTETRAFLUOROETHA	4.71	1331578	3.500	140.40	NG	20.20
6	VINYL CHLORIDE	4.98	568349	4.932	50.00	NG	19.73
7	1,3-BUTADIENE	5.27	685231	5.509	45.90	NG	20.79
8	BROMOMETHANE	5.82	473933	2.396	73.00	NG	19.00
9	CHLOROETHANE	6.15	423821	2.377	65.00	NG	21.02
10	ETHANOL	6.27	448186	3.308	50.00	NG	26.59
11	ACETONITRILE	6.71	1227084	9.056	50.00	NG	29.83
12	ACROLEIN	6.96	340357	2.512	50.00	NG	21.84
13	ACETONE	7.18	397132	2.931	50.00	NG	21.09
14	PROPYLENE OXIDE	7.46	288848	2.132	50.00	NG	21.09
15	TRICHLOROFLUOROMETHANE	7.52	910370	3.054	110.00	NG	19.78
16	ISOPROPYL ALCOHOL	7.53	1410899	10.412	50.00	NG	20.38
17	ACRYLONITRILE	7.95	380304	8.497	50.00	NG	23.08
18	tert-BUTANOL	8.52	1108254	8.179	50.00	NG	16.53
19	1,1-DICHLOROETHENE	8.58	539651	5.090	50.00	NG	12.74
20	METHYLENE CHLORIDE	8.71	723661	5.341	50.00	NG	14.56
21	ALLYL CHLORIDE	8.91	249915	1.844	50.00	NG	16.09
22	TRICHLOROTRIFLUOROETHANE	9.11	1127406	2.755	151.00	NG	19.36
23	CARBON DISULFIDE	9.29	1538677	11.798	50.00	NG	16.09
24	trans-1,2-DICHLOROETHENE	10.13	563085	4.340	50.00	NG	12.74
25	1,1-DICHLOROETHANE	10.43	808051	5.963	50.00	NG	12.48
26	cis-1,2-DICHLOROETHENE	11.60	623311	4.600	50.00	NG	12.74
27	t-BUTYL METHYL ETHER	10.47	1246787	9.201	50.00	NG	13.90
28	VINYL ACETATE	10.54	2277618	16.809	50.00	NG	14.22
29	2-BUTANONE	10.93	1372044	13.316	50.00	NG	16.99
30	3-METHYL PENTANE	11.25	1243051	9.158	50.00	NG	14.22
31	ETHYL ACETATE	11.79	1965855	14.508	50.00	NG	13.90
32	n-HEXANE	11.88	986191	7.278	50.00	NG	14.22
33	CHLOROFORM	12.01	630051	4.650	50.00	NG	10.36
34	2-METHYL-1-PROPANOL	12.38	867135	6.399	50.00	NG	16.53
35	1,2-DICHLOROETHANE-D4	12.92	416737	3.076	50.00	NG	**
36	1,2-DICHLOROETHANE	13.06	572283	4.223	50.00	NG	12.48
37	1,4-DIFLUOROBENZENE	14.48	992988	1.000	50.00	NG	**
38	1,1,1-TRICHLOROETHANE	13.45	453246	0.508	50.00	NG	9.27
39	1-BUTANOL	13.75	524394	0.587	50.00	NG	16.53
40	BENZENE	14.10	1641239	1.838	50.00	NG	15.68
41	CARBON TETRACHLORIDE	14.32	355243	0.398	50.00	NG	8.05
42	VALERALDEHYDE (PENTANAL)	14.93	1063242	1.191	50.00	NG	14.22
43	1,2-DICHLOROPROPANE	15.23	469662	0.526	50.00	NG	10.92
44	1,4-DIOXANE	15.47	302557	0.339	50.00	NG	13.90

TO-14 RESULTS (Page 2 of 3)

File	C:\HPCHEM\1\DATA\S110397\11039703.D
Operator	CJC
Date	3 Nov 97 9:46 am
Sample	50 NG TO-14 STD (S10299701/S10299702)
Conditions	5989A/ENTECH 7000

CPD #	Compound	RRT	Area	RRF	Amount	Units	
45	BROMODICHLOROMETHANE	15.48	474373	0.531	50.00	NG	7.55
46	TRICHLOROETHENE	15.55	311892	0.349	50.00	NG	9.41
47	EPICHLOROHYDRIN	15.84	66212	0.074	50.00	NG	13.29
48	METHYL METHACRYLATE	15.65	951317	1.065	50.00	NG	12.23
49	HEPTANE	15.86	1288875	1.443	50.00	NG	12.23
50	cis-1,3-DICHLOROPROPENE	16.73	921763	0.717	72.00	NG	16.01
51	4-METHYL-2-PENTANONE	16.72	1658112	1.857	50.00	NG	12.23
52	DIMETHYL DISULFIDE	17.19	507266	0.568	50.00	NG	13.01
53	trans-1,3-DICHLOROPROPENE	17.46	313280	0.675	26.00	NG	5.78
54	1,1,2-TRICHLOROETHANE	17.79	325981	0.365	50.00	NG	9.27
55	CHLOROBENZENE-D5	21.05	601576	1.000	50.00	NG	**
56	TOLUENE-D8	18.09	1061701	1.765	50.00	NG	**
57	1,3-DICHLOROPROPANE	18.24	765260	1.272	50.00	NG	10.92
58	TOLUENE	18.25	1511375	2.512	50.00	NG	13.29
59	2-HEXANONE	18.48	1590960	2.645	50.00	NG	12.23
60	HEXANAL	18.86	582410	0.968	50.00	NG	12.23
61	DIBROMOCHLOROMETHANE	18.91	310394	0.516	50.00	NG	5.94
62	BUTYL ACETATE	19.38	1949590	3.241	50.00	NG	10.54
63	TETRAHYDROTHIOPHENE	19.60	648844	1.079	50.00	NG	13.90
64	OCTANE	19.61	1908075	3.172	50.00	NG	10.73
65	1,2-DIBROMOETHANE	[illegible]	[illegible]	[illegible]	50.00	NG	5.53
66	TETRACHLOROETHENE	20.02	249608	0.415	50.00	NG	7.46
67	CHLOROBENZENE	21.13	867059	1.441	50.00	NG	10.92
68	ETHYLBENZENE	21.70	528632	0.879	50.00	NG	11.54
69	m & p - XYLENES	22.00	1371151	1.140	100.00	NG	23.08
70	BROMOFORM	22.22	231815	0.385	50.00	NG	4.89
71	OTYRENE	[illegible]	[illegible]	[illegible]	50.00	NG	11.76
72	2-BUTOXYETHANOL	23.05	1311221	2.180	50.00	NG	10.36
73	1,1,2,2-TETRACHLOROETHANE	22.79	647555	1.076	50.00	NG	7.37
74	NONANE	23.05	1762175	2.929	50.00	NG	9.55
75	o - XYLENE	22.83	639631	1.063	50.00	NG	11.54
76	CUMENE	23.86	1443700	2.400	50.00	NG	10.19
77	1-HEPTANOL	24.69	130973	0.218	50.00	NG	10.54
78	4-ETHYLTOLUENE	25.09	1722647	2.864	50.00	NG	10.19
79	a-PINENE	24.62	952484	1.583	50.00	NG	8.99
80	bis-(2-CHLOROETHYL) ETHER	24.91	472052	0.785	50.00	NG	8.61
81	1,3,5-TRIMETHYLBENZENE	25.22	1257920	2.091	50.00	NG	10.19
82	n-DECANE	26.12	1561911	2.596	50.00	NG	8.61
83	beta-PINENE	25.95	827831	1.376	50.00	NG	8.99
84	1,2,4-TRIMETHYLBENZENE	26.05	1246727	2.072	50.00	NG	10.19
85	BROMOFLUOROBENZENE	23.66	127996	0.213	50.00	NG	**
86	BENZYL CHLORIDE	26.34	981888	1.632	50.00	NG	9.71
87	1,3-DICHLOROBENZENE	26.41	534967	0.889	50.00	NG	8.38

File	C:\HPCHEM\1\DATA\S110397\11039703.D
Operator	CJC
Date	3 Nov 97 9:46 am
Sample	50 NG TO-14 STD (S10299701/S10299702)
Conditions	5989A/ENTECH 7000

CPD #	Compound	RRT(L)	Area	RRF	Amount	Units	PPB(V)
88	2-ETHYL-1-HEXANOL	26.52	204786	0.340	50.00	NG	9.41
89	1,4-DICHLOROBENZENE	26.54	618467	1.028	50.00	NG	8.38
90	d-LIMONENE	27.18	620345	1.031	50.00	NG	8.99
91	1,2-DICHLOROBENZENE	27.24	515252	0.857	50.00	NG	8.38
92	1-NONANOL	31.05	201521	0.335	50.00	NG	8.49
93	1,2-DIBROMO-3-CHLOROPROPA	28.16	203669	0.339	50.00	NG	5.23
94	NONANAL	28.48	172045	0.286	50.00	NG	8.51
95	n-UNDECANE	28.74	1351187	2.246	50.00	NG	7.84
96	n-DODECANE	31.04	1170052	1.945	50.00	NG	7.19
97	1,2,4-TRICHLOROBENZENE	30.93	283692	0.472	50.00	NG	6.79
98	NAPHTHALENE	31.20	913040	1.518	50.00	NG	9.55
99	HEXACHLOROBUTADIENE	31.92	177908	0.296	50.00	NG	4.74

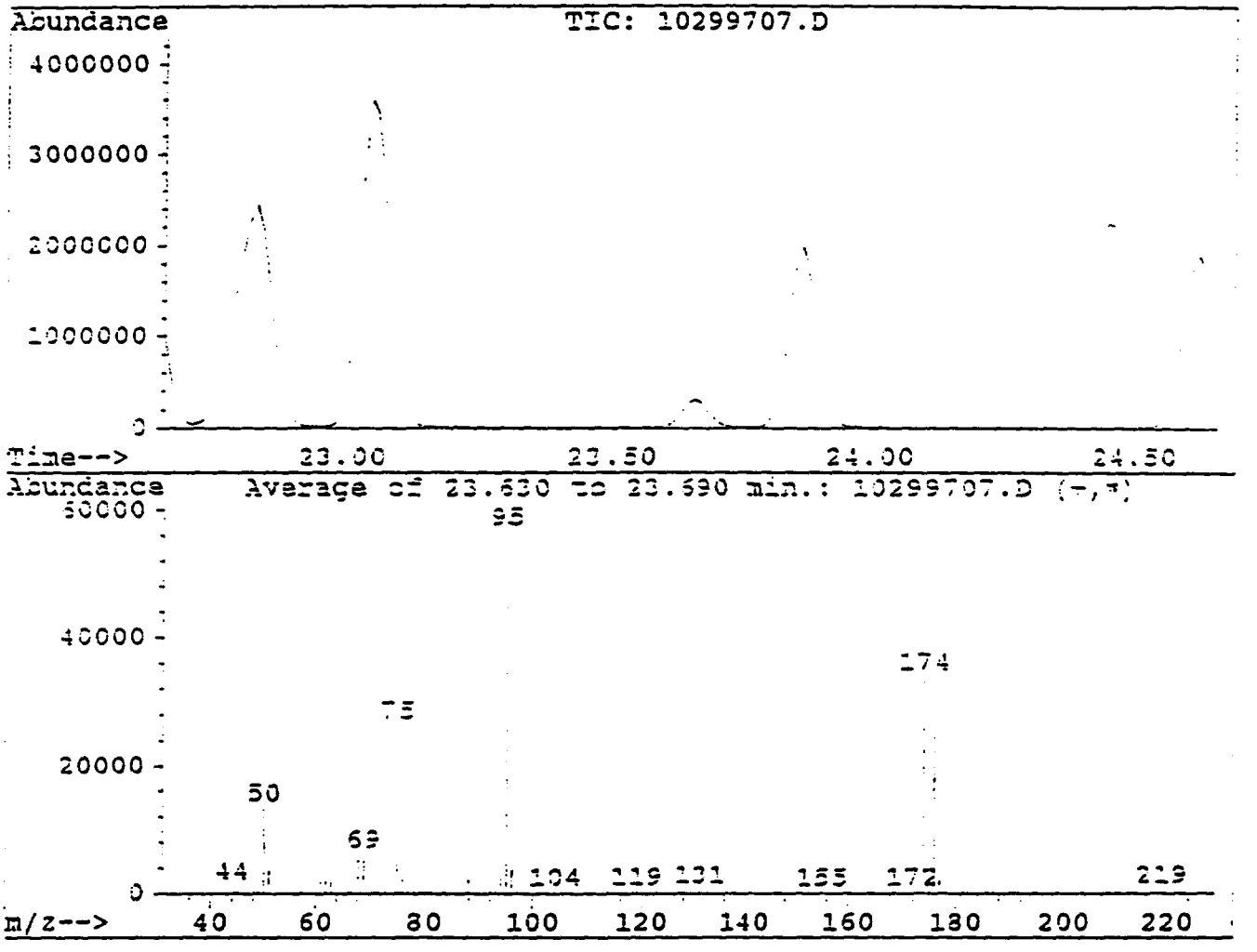
BFB TUNING & MASS CALIBRATIONS

BFB

Data File : C:\HPCHEM\1\DATA\S102997\10299707.D
Acq Time : 29 Oct 97 12:43 pm
Sample : 100 NG TO-14 STD (S10299701/S10299702)
Misc :

Operator: CJC
Inst : 5989 -
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\FCTO14B.M
Title : EHE/BASE TO-14 MULTIPOINT CALIBRATION



Peak Apex is scan: 1974

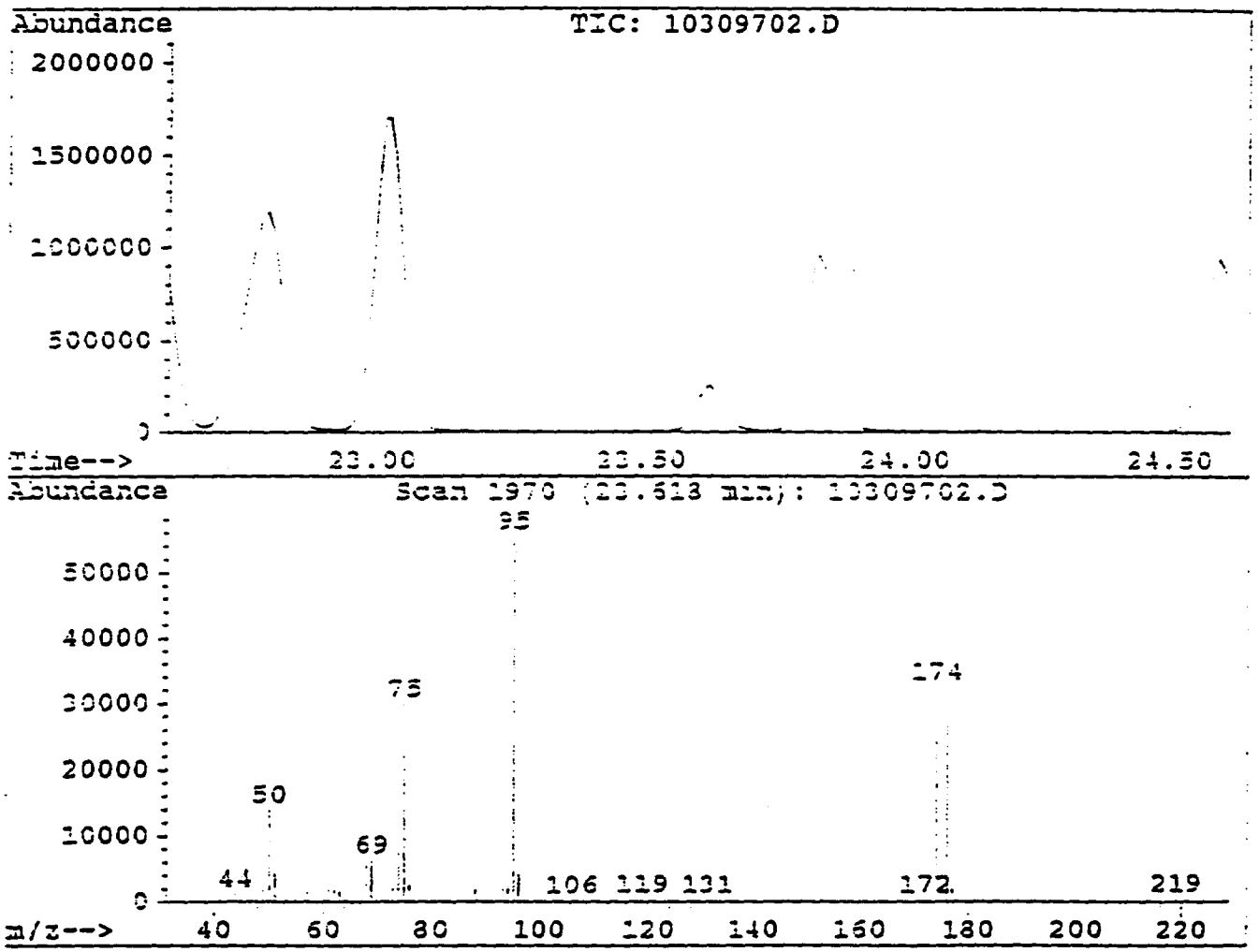
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.8	13287	PASS
75	95	30	60	45.1	26248	PASS
95	95	100	100	100.0	58149	PASS
96	95	5	9	6.3	3685	PASS
173	174	0	2	0.0	0	PASS
174	95	50	100	58.2	33829	PASS
175	174	5	9	7.1	2401	PASS
176	174	95	101	98.4	33271	PASS
177	176	5	9	6.2	2050	PASS

BFB

Data File : C:\HPCHEM\1\DATA\S103097\10309702.D
Acq Time : 30 Oct 97 7:55 am
Sample : 50 NG TO-14 STD (S10299701/S010299702)
Misc :

Operator: CJC
Inst : 5989 -
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\FCTO14B.M
Title : EHE/BASE TO-14 MULTIPOINT CALIBRATION



Peak Apex is scan: 1970

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.3	13888	PASS
75	95	30	60	52.3	29880	PASS
95	95	100	100	100.0	57104	PASS
96	95	5	9	7.2	4138	PASS
173	174	0	2	0.0	0	PASS
174	95	50	100	57.0	32568	PASS
175	174	5	9	7.8	2530	PASS
176	174	95	101	98.6	32120	PASS
177	176	5	9	6.0	1928	PASS

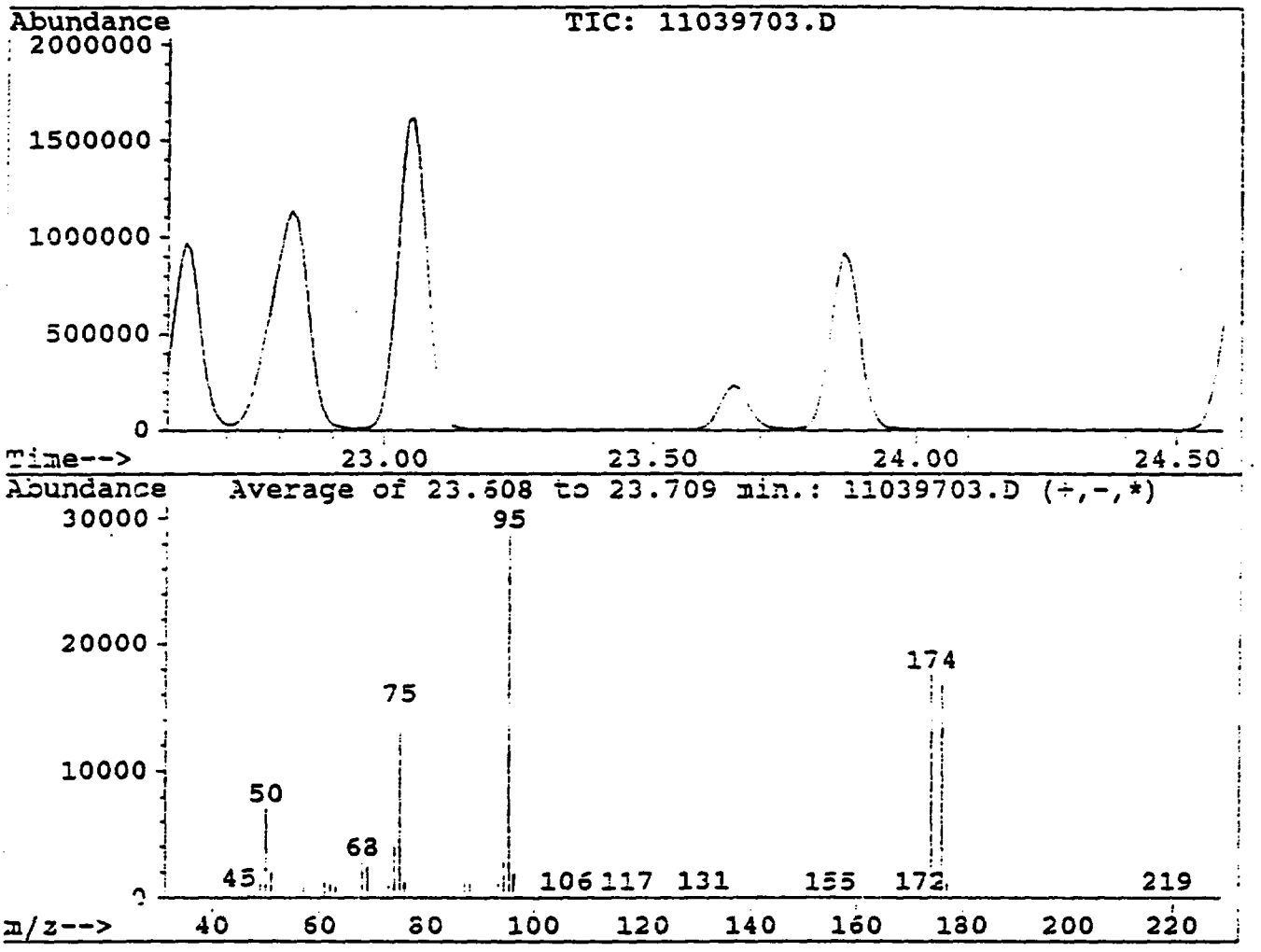
10309702.D FCTO14B.M Thu Oct 30 08:36:31 1997

BFB

Data File : C:\HPCHEM\1\DATA\S110397\11039703.D
Acq Time : 3 Nov 97 9:46 am
Sample : 50 NG TO-14 STD (S10299701/S10299702)
Misc :

Operator: CJC
Inst : 5989 - I
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\FCTO14B.M
Title : EHE/BASE TO-14 MULTIPOINT CALIBRATION



Peak Apex is scan: 1967

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.9	7054	PASS
75	95	30	60	50.2	14846	PASS
95	95	100	100	100.0	29557	PASS
96	95	5	9	6.6	1947	PASS
173	174	0	2	0.1	15	PASS
174	95	50	100	59.4	17545	PASS
175	174	5	9	7.9	1383	PASS
176	174	95	101	95.6	16767	PASS
177	176	5	9	6.8	1142	PASS

11039703.D FCTO14B.M Mon Nov 03 13:20:13 1997 OXY01

CHAIN OF CUSTODY RECORDS

Performance Analytical Inc.
Air Quality Laboratory

20954 Osborne Street
Canoga Park, California 91304
Phone 818 709-1139
Fax 818 709 2915

Chain of Custody Record
Analytical Services Request

Client/Project Name	Address/Phone	PAI Project No.
VOC Analytical	801 Western Ave. Glendale, Ca 91201 (818) 247-5737	P9704133

Project Location	Client Project No.

Contact	Sampler (Signature)	P.O. No.
Roobik Yaghoubi		

ANALYSES

Sample Identification No.	Date	Time	Lab Sample No.	Type of Sample	TO-14	Methane (25:1)					Expected Turnaround Time	Remarks
8 G97-10-363#1	10/16/97		-001	Air	X	X						Needs Data Package level IV

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
R. Yaghoubi	10-20-97	09:00	Maria E. Nicholson	10-20-97	9:00 AM
Maria E. Nicholson	10-20-97	11:10 AM	Sunn Nagnoski	10-20-97	11:10 pm

Disposal Method		
Disposed by: (Signature)	Date	Time

White Copy : Accompanies Samples

Yellow Copy : Sampler

LOG NO: G97-10-363

Received: 16 OCT 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
10-363-2	WDI-VW-09	16 OCT 97
10-363-3	WDI-VW-09-2	16 OCT 97

PARAMETER	10-363-2	10-363-3
B/N,A Ext.Pri.Poll. (8270)		
Date Analyzed	10/31/97	10/31/97
Date Extracted	10/20/97	10/20/97
Dilution Factor, Times	50	50
1,2,4-Trichlorobenzene, ug/L	<300	<300
1,2-Dichlorobenzene, ug/L	<300	<300
1,2-Diphenylhydrazine, ug/L	<300	<300
1,3-Dichlorobenzene, ug/L	<300	<300
1,4-Dichlorobenzene, ug/L	<300	<300
2,4,5-Trichlorophenol, ug/L	<300	<300
2,4,6-Trichlorophenol, ug/L	<300	<300
2,4-Dichlorophenol, ug/L	<300	<300
2,4-Dimethylphenol, ug/L	700	620
2,4-Dinitrophenol, ug/L	<500	<500
2,4-Dinitrotoluene, ug/L	<300	<300
2,6-Dinitrotoluene, ug/L	<300	<300
2-Chloronaphthalene, ug/L	<300	<300
2-Chlorophenol, ug/L	<300	<300
2-Methyl-4,6-dinitrophenol, ug/L	<500	<500
2-Methylnaphthalene, ug/L	890	970
2-Methylphenol (o-Cresol), ug/L	690	620
2-Nitroaniline, ug/L	<300	<300
2-Nitrophenol, ug/L	<300	<300
3,3'-Dichlorobenzidine, ug/L	<500	<500
3-Nitroaniline, ug/L	<300	<300
4-Bromophenylphenylether, ug/L	<300	<300

LOG NO: G97-10-363

Received: 16 OCT 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
10-363-2	WDI-VW-09	16 OCT 97
10-363-3	WDI-VW-09-2	16 OCT 97

PARAMETER	10-363-2	10-363-3		
4-Chloro-3-methylphenol, ug/L	<300	<300		
4-Chloroaniline, ug/L	<300	<300		
4-Chlorophenylphenylether, ug/L	<300	<300		
4-Methylphenol (p-Cresol), ug/L	1400	1800		
4-Nitroaniline, ug/L	<300	<300		
4-Nitrophenol, ug/L	<500	<500		
Acenaphthene, ug/L	<300	<300		
Acenaphthylene, ug/L	<300	<300		
Aniline, ug/L	<300	<300		
Anthracene, ug/L	<300	<300		
Benzidine, ug/L	<5000	<5000		
Benzo(a)anthracene, ug/L	<300	<300		
Benzo(a)pyrene, ug/L	<300	<300		
Benzo(b)fluoranthene, ug/L	<300	<300		
Benzo(g,h,i)perylene, ug/L	<300	<300		
Benzo(k)fluoranthene, ug/L	<300	<300		
Benzyl Alcohol, ug/L	1000	<500		
Benzoic acid, ug/L	<3000	<3000		
Butylbenzylphthalate, ug/L	<300	<300		
Chrysene, ug/L	<300	<300		
Di-n-octylphthalate, ug/L	<300	<300		
Dibenzo(a,h)anthracene, ug/L	<300	<300		
Dibenzofuran, ug/L	<300	<300		
Dibutylphthalate, ug/L	<500	<500		
Diethylphthalate, ug/L	<500	<500		
Dimethylphthalate, ug/L	<300	<300		

LOG NO: G97-10-363

Received: 16 OCT 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
10-363-2	WDI-VW-09	16 OCT 97
10-363-3	WDI-VW-09-2	16 OCT 97

PARAMETER	10-363-2	10-363-3	
Fluoranthene, ug/L	<300	<300	
Fluorene, ug/L	<300	<300	
Hexachlorobenzene, ug/L	<300	<300	
Hexachlorobutadiene, ug/L	<300	<300	
Hexachlorocyclopentadiene, ug/L	<500	<500	
Hexachloroethane, ug/L	<300	<300	
Indeno(1,2,3-c,d)pyrene, ug/L	<300	<300	
Isophorone, ug/L	<300	<300	
N-Nitrosodimethylamine, ug/L	<300	<300	
N-Nitrosodiphenylamine, ug/L	<300	<300	
N-Nitrosodi-n-propylamine, ug/L	<300	<300	
Nitrobenzene, ug/L	<300	<300	
Naphthalene, ug/L	620	620	
Phenanthrene, ug/L	<300	<300	
Phenol, ug/L	1000	1100	
Pentachlorophenol, ug/L	<500	<500	
Pyrene, ug/L	<300	<300	
Pyridine, ug/L	<500	<500	
Bis(2-chloroethoxy)methane, ug/L	<300	<300	
Bis(2-chloroethyl)ether, ug/L	<300	<300	
Bis(2-chloroisopropyl)ether, ug/L	<300	<300	
Bis(2-ethylhexyl)phthalate, ug/L	<500	<500	
Surrogates **			
2-Fluorobiphenyl Reported, ug/L	0 NC	0 NC	
2-Fluorobiphenyl Theo., ug/L	50.0	50.0	
2-Fluorophenol Reported, ug/L	0 NC	0 NC	

LOG NO: G97-10-363

Received: 16 OCT 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
10-363-2	WDI-VW-09	16 OCT 97
10-363-3	WDI-VW-09-2	16 OCT 97

PARAMETER	10-363-2	10-363-3
2-Fluorophenol Theoretical, ug/L	75.0	75.0
2,4,6-Tribromophenol Rep., ug/L	0 NC	0 NC
2,4,6-Tribromophenol Theo., ug/L	75.0	75.0
Nitrobenzene-d5 Reported, ug/L	0 NC	0 NC
Nitrobenzene-d5 Theoretical, ug/L	50.0	50.0
Phenol-d5 Reported, ug/L	0 NC	0 NC
Phenol-d5 Theoretical, ug/L	75.0	75.0
Terphenyl-d14 Reported, ug/L	0 NC	0 NC
Terphenyl-d14 Theoretical, ug/L	50.0	50.0

LOG NO: G97-10-363

Received: 16 OCT 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
10-363-2	WDI-VW-09	16 OCT 97
10-363-3	WDI-VW-09-2	16 OCT 97

PARAMETER	10-363-2	10-363-3
Pesticides (8080)		
Date Analyzed	10/23/97	10/23/97
Date Extracted	10/22/97	10/22/97
Dilution Factor, Times	10	10
Aldrin, ug/L	<0.3	<0.3
Chlordane, ug/L	<6	<6
p,p'-DDD, ug/L	<0.2	<0.2
p,p'-DDE, ug/L	0.39	<0.2
p,p'-DDT, ug/L	<0.4	<0.4
Dieldrin, ug/L	<0.2	<0.2
Endosulfan I, ug/L	<0.2	<0.2
Endosulfan II, ug/L	<0.2	<0.2
Endosulfan sulfate, ug/L	<0.5	<0.5
Endrin, ug/L	<0.2	<0.2
Endrin aldehyde, ug/L	<0.2	<0.2
Endrin Ketone, ug/L	<0.2	<0.2
Heptachlor epoxide, ug/L	<0.3	<0.3
Heptachlor, ug/L	<0.2	<0.2
Methoxychlor, ug/L	<0.3	<0.3
Toxaphene, ug/L	<20	<20
BHC, alpha isomer, ug/L	<0.3	<0.3
BHC, beta isomer, ug/L	<0.3	<0.3
BHC, delta isomer, ug/L	<0.2	<0.2
BHC, gamma isomer (Lindane), ug/L	<0.2	<0.2
Surrogates **		
Decachlorobiphenyl Reported, ug/L	0 NC	0 NC

LOG NO: G97-10-363

Received: 16 OCT 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
10-363-2	WDI-VW-09	16 OCT 97
10-363-3	WDI-VW-09-2	16 OCT 97

PARAMETER	10-363-2	10-363-3			
Decachlorobiphenyl Theoretical, ug/L	0.250	0.250			
Tetrachloro-meta-xylene Rpt., ug/L	0 NC	0 NC			
Tetrachloro-meta-xylene Theor., ug/L	0.250	0.250			

LOG NO: G97-10-363

Received: 16 OCT 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
10-363-2	WDI-VW-09	16 OCT 97
10-363-3	WDI-VW-09-2	16 OCT 97

PARAMETER	10-363-2	10-363-3	
Volatile Organics (8260A)			
Date Analyzed	10/20/97	10/20/97	
Dilution Factor, Times	1	1	
1,1,1-Trichloroethane, ug/L	<0.5	<0.5	
1,1,2,2-Tetrachloroethane, ug/L	<0.5	<0.5	
1,1,2-Trichloroethane, ug/L	<0.5	<0.5	
1,1-Dichloroethane, ug/L	<0.5	<0.5	
1,1-Dichloroethene, ug/L	<0.5	<0.5	
1,2-Dibromoethane, ug/L	<0.5	<0.5	
1,2-Dichloroethane, ug/L	<0.5	<0.5	
1,2-Dichloropropane, ug/L	<0.5	<0.5	
2-Chloroethylvinylether, ug/L	<4	<4	
2-Hexanone, ug/L	<5	<5	
Acetone, ug/L	350	400	
Bromodichloromethane, ug/L	<0.5	<0.5	
Bromomethane, ug/L	<0.5	<0.5	
Benzene, ug/L	760	820	
Bromoform, ug/L	<0.5	<0.5	
Carbon Tetrachloride, ug/L	<0.5	<0.5	
Chloroethane, ug/L	<0.5	<0.5	
Chloroform, ug/L	<0.5	<0.5	
Chloromethane, ug/L	<1	<1	
Carbon Disulfide, ug/L	72	83	
Dibromochloromethane, ug/L	<0.5	<0.5	
Methyl ethyl ketone, ug/L	1800	1800	
Methyl isobutyl ketone, ug/L	820	940	

LOG NO: G97-10-363

Received: 16 OCT 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
10-363-2	WDI-VW-09	16 OCT 97
10-363-3	WDI-VW-09-2	16 OCT 97

PARAMETER	10-363-2	10-363-3
Methylene chloride, ug/L	<2	<2
Trichloroethene, ug/L	11	13
Tetrachloroethene, ug/L	<0.5	<0.5
Vinyl acetate, ug/L	<5	<5
Vinyl chloride, ug/L	11	17
cis-1,2-Dichloroethene, ug/L	110	160
cis-1,3-Dichloropropene, ug/L	<0.5	<0.5
trans-1,2-Dichloroethene, ug/L	2.0	2.2
trans-1,3-Dichloropropene, ug/L	<0.5	<0.5
Surrogates **		
4-Bromofluorobenzene Rep., ug/L	42.3	44.7
4-Bromofluorobenzene Theo., ug/L	50.0	50.0
Toluene-d8 Reported, ug/L	55.4	52.3
Toluene-d8 Theo., ug/L	50.0	50.0
Dibromofluoromethane Rep., ug/L	43.4	42.6
Dibromofluoromethane Theo., ug/L	50.0	50.0

LOG NO: G97-10-363

Received: 16 OCT 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
10-363-4	WDI-VW-09-011	16 OCT 97

PARAMETER	10-363-4
Semi-volatiles (8270)	
Date Analyzed	11/03/97
Date Extracted	10/31/97
Dilution Factor, Times	900
1,2,4-Trichlorobenzene, mg/kg	<200
1,2-Dichlorobenzene, mg/kg	<200
1,2-Diphenylhydrazine, mg/kg	<200
1,3-Dichlorobenzene, mg/kg	<200
1,4-Dichlorobenzene, mg/kg	<200
2,4,5-Trichlorophenol, mg/kg	<200
2,4,6-Trichlorophenol, mg/kg	<200
2,4-Dichlorophenol, mg/kg	<200
2,4-Dimethylphenol, mg/kg	<200
2,4-Dinitrophenol, mg/kg	<400
2,4-Dinitrotoluene, mg/kg	<200
2,6-Dinitrotoluene, mg/kg	<200
2-Chloronaphthalene, mg/kg	<200
2-Chlorophenol, mg/kg	<200
2-Methyl-4,6-dinitrophenol, mg/kg	<400
2-Methylnaphthalene, mg/kg	1500
2-Methylphenol (o-Cresol), mg/kg	<200
2-Nitroaniline, mg/kg	<200
2-Nitrophenol, mg/kg	<200
3,3'-Dichlorobenzidine, mg/kg	<600
3-Nitroaniline, mg/kg	<200
4-Bromophenylphenylether, mg/kg	<200
4-Chloro-3-methylphenol, mg/kg	<200

LOG NO: G97-10-363

Received: 16 OCT 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
10-363-4	WDI-VW-09-Oil	16 OCT 97

PARAMETER	10-363-4
4-Chloroaniline, mg/kg	<200
4-Chlorophenylphenylether, mg/kg	<200
4-Methylphenol (p-Cresol), mg/kg	<400
4-Nitroaniline, mg/kg	<200
4-Nitrophenol, mg/kg	<400
Acenaphthene, mg/kg	<200
Acenaphthylene, mg/kg	<200
Aniline, mg/kg	<200
Anthracene, mg/kg	<200
Benzidine, mg/kg	<4000
Benzo(a)anthracene, mg/kg	<200
Benzo(a)pyrene, mg/kg	<200
Benzo(b)fluoranthene, mg/kg	<200
Benzo(g,h,i)perylene, mg/kg	<200
Benzo(k)fluoranthene, mg/kg	<200
Benzyl Alcohol, mg/kg	<400
Benzoic acid, mg/kg	<2000
Butylbenzylphthalate, mg/kg	<200
Chrysene, mg/kg	<200
Di-n-octylphthalate, mg/kg	<200
Dibenzo(a,h)anthracene, mg/kg	<200
Dibenzofuran, mg/kg	<200
Dibutylphthalate, mg/kg	<200
Diethylphthalate, mg/kg	<200
Dimethylphthalate, mg/kg	<200
Fluoranthene, mg/kg	<200
Fluorene, mg/kg	<200

LOG NO: G97-10-363

Received: 16 OCT 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
10-363-4	WDI-VW-09-Oil	16 OCT 97

PARAMETER	10-363-4
Hexachlorobenzene, mg/kg	<200
Hexachlorobutadiene, mg/kg	<200
Hexachlorocyclopentadiene, mg/kg	<400
Hexachloroethane, mg/kg	<200
Indeno(1,2,3-c,d)pyrene, mg/kg	<200
Isophorone, mg/kg	<200
N-Nitrosodimethylamine, mg/kg	<200
N-Nitrosodiphenylamine, mg/kg	<200
N-Nitrosodi-n-propylamine, mg/kg	<200
Nitrobenzene, mg/kg	<200
Naphthalene, mg/kg	740
Phenanthrene, mg/kg	320
Phenol, mg/kg	<200
Pentachlorophenol, mg/kg	<400
Pyrene, mg/kg	<200
Pyridine, mg/kg	<400
Bis(2-chloroethoxy)methane, mg/kg	<200
Bis(2-chloroethyl)ether, mg/kg	<200
Bis(2-chloroisopropyl)ether, mg/kg	<200
Bis(2-ethylhexyl)phthalate, mg/kg	<400
Surrogates **	
2-Fluorobiphenyl Reported, mg/kg	0 NC
2-Fluorobiphenyl Theo., mg/kg	1.67
2-Fluorophenol Reported, mg/kg	0 NC
2-Fluorophenol Theoretical, mg/kg	2.50
2,4,6-Tribromophenol Rep., mg/kg	0 NC
2,4,6-Tribromophenol Theo., mg/kg	2.50

LOG NO: G97-10-363

Received: 16 OCT 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
10-363-4	WDI-VW-09-011	16 OCT 97

PARAMETER	10-363-4
Nitrobenzene-d5 Reported, mg/kg	0 NC
Nitrobenzene-d5 Theoretical, mg/kg	1.67
Phenol-d5 Reported, mg/kg	0 NC
Phenol-d5 Theoretical, mg/kg	2.50
Terphenyl-d14 Reported, mg/kg	0 NC
Terphenyl-d14 Theoretical, mg/kg	1.67

Volatile Organics

LOG NO: G97-10-363

Received: 16 OCT 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
10-363-4	WDI-VW-09-011	16 OCT 97

PARAMETER	10-363-4
Simulated Distillation (D2887)	
Sample Amount, g	1G
Extract Volume, mL	30ML
Dilution Factor, Times	1200
C10-C11, mg/kg	41000
C12-C13, mg/kg	61000
C14-C15, mg/kg	58000
C16-C17, mg/kg	60000
C18-C19, mg/kg	40000
C20-C23, mg/kg	100000
C24-C27, mg/kg	73000
C28-C31, mg/kg	83000
C32-C35, mg/kg	68000
C36-C39, mg/kg	32000
C40-C43, mg/kg	<200
C44+, mg/kg	<200
Total Hydrocarbon Matrix, mg/kg	620000
Other Simulated Distillation (D2887)	---
Surrogates **	
Naphthalene Reported, mg/kg	0 NC
Naphthalene Theoretical, mg/kg	10.0
o-Terphenyl Reported, mg/kg	0 NC
o-Terphenyl Theoretical, mg/kg	10.0

LOG NO: G97-10-363

Received: 16 OCT 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
10-363-5	WDI-VW-TB-09	16 OCT 97

PARAMETER	10-363-5
Volatile Organics (8260A)	
Date Analyzed	10/20/97
Dilution Factor, Times	1
1,1,1-Trichloroethane, ug/L	<0.5
1,1,2,2-Tetrachloroethane, ug/L	<0.5
1,1,2-Trichloroethane, ug/L	<0.5
1,1-Dichloroethane, ug/L	<0.5
1,1-Dichloroethene, ug/L	<0.5
1,2-Dibromoethane, ug/L	<0.5
1,2-Dichloroethane, ug/L	<0.5
1,2-Dichloropropane, ug/L	<0.5
2-Chloroethylvinylether, ug/L	<4
2-Hexanone, ug/L	<5
Acetone, ug/L	<10
Bromodichloromethane, ug/L	<0.5
Bromomethane, ug/L	<0.5
Benzene, ug/L	<0.5
Bromoform, ug/L	<0.5
Carbon Tetrachloride, ug/L	<0.5
Chloroethane, ug/L	<0.5
Chloroform, ug/L	<0.5
Chloromethane, ug/L	<1
Carbon Disulfide, ug/L	<2
Dibromochloromethane, ug/L	<0.5
Methyl ethyl ketone, ug/L	<10
Methyl isobutyl ketone, ug/L	<4
Methylene chloride, ug/L	<2

LOG NO: G97-10-363

Received: 16 OCT 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
10-363-5	WDI-VW-TB-09	16 OCT 97

PARAMETER	10-363-5
Trichloroethene, ug/L	<0.5
Tetrachloroethene, ug/L	<0.5
Vinyl acetate, ug/L	<5
Vinyl chloride, ug/L	<0.5
cis-1,2-Dichloroethene, ug/L	<0.5
cis-1,3-Dichloropropene, ug/L	<0.5
trans-1,2-Dichloroethene, ug/L	<0.5
trans-1,3-Dichloropropene, ug/L	<0.5
Surrogates **	
4-Bromofluorobenzene Rep., ug/L	41.7
4-Bromofluorobenzene Theo., ug/L	50.0
Toluene-d8 Reported, ug/L	45.4
Toluene-d8 Theo., ug/L	50.0
Dibromofluoromethane Rep., ug/L	45.8
Dibromofluoromethane Theo., ug/L	50.0

LOG NO: G97-10-363

Received: 16 OCT 97

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
10-363-6	WDI-VW-09 Dissolved	16 OCT 97
10-363-7	WDI-VW-09-2 Dissolved	16 OCT 97

PARAMETER	10-363-6	10-363-7
Digestion (3010), Date	10/21/97	10/21/97
Furnace Digestion (3020), Date	10/21/97	10/21/97
Arsenic (7060), mg/L	0.20	0.19
Antimony (6010), mg/L	<0.1	<0.1
Barium (6010), mg/L	0.079	0.089
Beryllium (6010), mg/L	<0.001	<0.001
Cadmium (6010), mg/L	<0.03	<0.005
Chromium (6010), mg/L	<0.01	<0.01
Cobalt (6010), mg/L	<0.04	<0.04
Copper (6010), mg/L	<0.02	<0.02
Lead (7421), mg/L	0.0042	0.0068
Mercury (7470), mg/L	<0.0002	<0.0002
Molybdenum (6010), mg/L	0.57	0.49
Nickel (6010), mg/L	0.088	0.12
Selenium (7740), mg/L	<0.004	<0.004
Silver (6010), mg/L	<0.01	<0.01
Thallium (6010), mg/L	<0.07	<0.07
Vanadium (6010), mg/L	<0.04	<0.04
Zinc (6010), mg/L	<0.01	<0.01
Aluminum (6010), mg/L	1.7	1.5
Calcium (6010), mg/L	5.6	15
Iron (6010), mg/L	0.65	0.57
Date Filtered	10/17/97	10/17/97

Ship To: VOC Analytical
Attn: Sample Control
801 Western
Glendale CA

Page 1 of
Project Name: WDI
Project No.: 94.256
Site Location: Santa Fe Springs CA
Date: 10/16/97

CHAIN OF CUSTODY RECORD

Boring/Well No.	Sample No.	Depth	Date	Time	Sample Type: Water	Solid	Other	Comp.	Grab.	Sample Containers: Vol.	No.	Type	Pres.	Analysis: VOCs (TO-14)	Methane (SCAQMD 25.1)	8260	8270	Total Metals	Dissolved Metals	Hold	Remarks
WDI-VW-09			10/16/97	0906			Air			10l	1	Sum		X	X						
WDI-VW-09			10/16/97	1100	X					40ml	2	VOA	HCl			X					
↓			↓	↓	↓					1l	2	Amber	—				X				
										1l	1	Poly	HNO3					X			[illegible]
										1l	1	"	—						X		*Filter at lab
WDI-VW-TB-09			10/16/97	1105	X					40ml	2	VOA	HCl			X	X				
WDI-VW-09-Oil			10/16/97	1100			Oil			1l	2	Amber	—							X	Sediment Dist
WDI-VW-09-2			10/16/97	1430	X					40ml	2	VOA	HCl			X					
↓			↓	↓	↓					1l	2	Amber	—				X				
										1l	1	Poly	HNO3					X			[illegible]
										1l	1	Poly	—						X		*Filter at lab

00588

Total Number of Samples Shipped: 17 Shipper's Signature: Glenn Ondrovsky

	Signature	Company	Date	Time
Relinquished by:	Glenn Ondrovsky	TRC	10/16/97	1608
Received by:	[illegible]	VOC	10/16/97	1608
Relinquished by:				
Received by:				
Relinquished by:				
Received by:				

Special Instructions / Shipment / Handling/ Storage Requirements:

Send results attn. Roberto Puga

The material(s) listed are received for analysis and/or treatability evaluation and remain the property of the client and not Environmental Solutions, Inc. At the conclusion of the test work, all remaining material(s) will be returned to the client for eventual disposal at a licensed facility.

☒ ENVIRONMENTAL SOLUTIONS, INC.
21 Technology Drive
Irvine, California 92718

☐ ENVIRONMENTAL SOLUTIONS, INC.
1172 Pelican Bay Drive
Daytona Beach, Florida 32119

☐ ENVIRONMENTAL SOLUTIONS, INC.
1201 N. McDowell Boulevard
Petaluma, California 94954

☐ ENVIRONMENTAL SOLUTIONS, INC.
2815 Mitchell Drive, Suite 103
Walnut Creek, California 94598

ATTACHMENT A.4

PERCHED LIQUIDS

(See Attachment A.1)

TRC

ATTACHMENT A.5

IN-BUSINESS AIR

TRC

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-IBM-22-01
PAI Sample ID : P9800216-001

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/10/98
Date Analyzed : 2/21/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = -2.5 Pf 1 = 3.5

D.F. = 1.49

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	2.6	0.50
	Total Non-Methane Organics (as Methane)	3.5	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-IBM-22-01
PAI Sample ID : P9800216-001 Laboratory Duplicate

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/10/98
Date Analyzed : 2/21/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = -2.5 Pf 1 = 3.5
D.F. = 1.49

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	2.6	0.50
	Total Non-Methane Organics (as Methane)	3.3	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-IBM-49-01
PAI Sample ID : P9800216-002

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/10/98
Date Analyzed : 2/21/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = 0.0 Pf 1 = 3.5

D.F. = 1.24

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	2.6	0.50
	Total Non-Methane Organics (as Methane)	440	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-IBM-41-01
PAI Sample ID : P9800216-003

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/10/98
Date Analyzed : 2/21/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = -0.7 Pf 1 = 3.4

D.F. = 1.29

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	3.5	0.50
	Total Non-Methane Organics (as Methane)	1.5	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-IBM-03-01
PAI Sample ID : P9800216-004

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/10/98
Date Analyzed : 2/21/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = -0.6 Pf 1 = 3.5
D.F. = 1.29

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	3.1	0.50
	Total Non-Methane Organics (as Methane)	5.8	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-IBM-24B-01
PAI Sample ID : P9800216-005

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/10/98
Date Analyzed : 2/21/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = -1.2 Pf 1 = 3.4
D.F. = 1.34

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	3.8	0.50
	Total Non-Methane Organics (as Methane)	5.6	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RCS

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-IBM-24-01
PAI Sample ID : P9800216-006

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/10/98
Date Analyzed : 2/21/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = -3.6 Pf 1 = 3.4

D.F. = 1.63

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	2.8	0.50
	Total Non-Methane Organics (as Methane)	6.8	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-IBM-S0-01
PAI Sample ID : P9800216-007

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/10/98
Date Analyzed : 2/21/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = -0.1 Pf 1 = 3.4

D.F. = 1.24

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	2.7	0.50
	Total Non-Methane Organics (as Methane)	3.7	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-IBMFD-50-01
PAI Sample ID : P9800216-008

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/10/98
Date Analyzed : 2/21/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = -0.8 Pf 1 = 3.4

D.F. = 1.30

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	2.6	0.50
	Total Non-Methane Organics (as Methane)	4.2	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : N/A
PAI Sample ID : PAI Method Blank

Test Code : EPA 25C
Instrument : HP5890A/FID/TCA
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 2/21/98
Volume(s) Analyzed : 0.50 ml

Pi 1 = 0.0 Pf 1 = 0.0

D.F. = 1.00

CAS #	COMPOUND	RESULT ppm, v/v	REPORTING LIMIT ppm, v/v
74-82-8	Methane	ND	0.50
	Total Non-Methane Organics (as Methane)	ND	1.0

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/5/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-IB-M22-01
PAI Sample ID : P9800216-001

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/10/98
Date Analyzed : 2/24/98
Volume(s) Analyzed : 0.200 Liter(s)

Pi 1 = -2.5
Pf 1 = 3.5
D.F. = 1.49

CAS #	COMPOUND	RESULT (UG/M3)	REPORTING LIMIT (UG/M3)	RESULT (PPB)	REPORTING LIMIT (PPB)
74-87-3	Chloromethane	ND	5.0	ND	2.4
75-01-4	Vinyl Chloride	ND	5.0	ND	2.0
75-00-3	Chloroethane	ND	5.0	ND	1.9
74-83-9	Bromomethane	ND	5.0	ND	1.3
67-64-1	Acetone	40	5.0	17	2.1
75-69-4	Trichlorofluoromethane	ND	5.0	ND	0.90
75-35-4	1,1-Dichloroethene	ND	5.0	ND	1.3
75-09-2	Methylene chloride	ND	5.0	ND	1.5
75-15-0	Carbon Disulfide	ND	5.0	ND	1.6
76-13-1	Trichlorotrifluoroethane	ND	5.0	ND	0.66
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ND	1.3
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ND	1.3
75-34-3	1,1-Dichloroethane	ND	5.0	ND	1.2
1634-04-4	Methyl tert-Butyl Ether	50	5.0	14	1.4
108-05-4	Vinyl Acetate	ND	5.0	ND	1.4
78-93-3	2-Butanone	7.0	5.0	2.4	1.7
67-66-3	Chloroform	ND	5.0	ND	1.0
107-06-2	1,2-Dichloroethane	ND	5.0	ND	1.2
71-55-6	1,1,1-Trichloroethane	ND	5.0	ND	0.93
71-43-2	Benzene	3.7 TR	5.0	1.1 TR	1.6
56-23-5	Carbon Tetrachloride	ND	5.0	ND	0.80
78-87-5	1,2-Dichloropropane	ND	5.0	ND	1.1

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/6/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-IB-M22-01
PAI Sample ID : P9800216-001

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/10/98
Date Analyzed : 2/24/98
Volume(s) Analyzed : 0.200 Liter(s)

Pi 1 = -2.5
Pf 1 = 3.5

D.F. = 1.49

CAS #	COMPOUND	RESULT (UG/M3)	REPORTING LIMIT (UG/M3)	RESULT (PPB)	REPORTING LIMIT (PPB)
75-27-4	Bromodichloromethane	ND	5.0	ND	0.75
79-01-6	Trichloroethene	ND	5.0	ND	0.94
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	ND	1.1
108-10-1	4-Methyl-2-pentanone	9.4	5.0	2.3	1.2
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	ND	1.1
79-00-5	1,1,2-Trichloroethane	ND	5.0	ND	0.93
108-88-3	Toluene	22	5.0	5.9	1.3
124-48-1	Dibromochloromethane	ND	5.0	ND	0.59
591-78-6	2-Hexanone	ND	5.0	ND	1.2
106-93-4	1,2-Dibromoethane	ND	5.0	ND	0.66
127-18-4	Tetrachloroethene	ND	5.0	ND	0.75
108-90-7	Chlorobenzene	ND	5.0	ND	1.1
100-41-4	Ethylbenzene	9.7	5.0	2.2	1.2
75-25-2	Bromoform	ND	5.0	ND	0.49
100-42-5	Styrene	ND	5.0	ND	1.2
1330-20-7	m,p-Xylenes	42	5.0	9.8	1.2
95-47-6	o-Xylene	16	5.0	3.6	1.2
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	ND	0.74
541-73-1	1,3-Dichlorobenzene	ND	5.0	ND	0.84
106-46-7	1,4-Dichlorobenzene	ND	5.0	ND	0.84
95-50-1	1,2-Dichlorobenzene	ND	5.0	ND	0.84

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/6/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-IB-M22-01
PAI Sample ID : P9800216-001 Dup

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/10/98
Date Analyzed : 2/24/98
Volume(s) Analyzed : 0.200 Liter(s)

Pi 1 = -2.5
Pf 1 = 3.5

D.F. = 1.49

CAS #	COMPOUND	RESULT (UG/M3)	REPORTING LIMIT (UG/M3)	RESULT (PPB)	REPORTING LIMIT (PPB)
74-87-3	Chloromethane	ND	5.0	ND	2.4
75-01-4	Vinyl Chloride	ND	5.0	ND	2.0
75-00-3	Chloroethane	ND	5.0	ND	1.9
74-83-9	Bromomethane	ND	5.0	ND	1.3
67-64-1	Acetone	46	5.0	19	2.1
75-69-4	Trichlorofluoromethane	ND	5.0	ND	0.90
75-35-4	1,1-Dichloroethene	ND	5.0	ND	1.3
75-09-2	Methylene chloride	ND	5.0	ND	1.5
75-15-0	Carbon Disulfide	ND	5.0	ND	1.6
76-13-1	Trichlorotrifluoroethane	ND	5.0	ND	0.66
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ND	1.3
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ND	1.3
75-34-3	1,1-Dichloroethane	ND	5.0	ND	1.2
1634-04-4	Methyl tert-Butyl Ether	54	5.0	15	1.4
108-05-4	Vinyl Acetate	ND	5.0	ND	1.4
78-93-3	2-Butanone	7.4	5.0	2.5	1.7
67-66-3	Chloroform	ND	5.0	ND	1.0
107-06-2	1,2-Dichloroethane	ND	5.0	ND	1.2
71-55-6	1,1,1-Trichloroethane	ND	5.0	ND	0.93
71-43-2	Benzene	3.7 TR	5.0	1.2 TR	1.6
56-23-5	Carbon Tetrachloride	ND	5.0	ND	0.80
78-87-5	1,2-Dichloropropane	ND	5.0	ND	1.1

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/6/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-IB-M22-01
PAI Sample ID : P9800216-001 Dup

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/10/98
Date Analyzed : 2/24/98
Volume(s) Analyzed : 0.200 Liter(s)

Pi 1 = -2.5
Pf 1 = 3.5

D.F. = 1.49

CAS #	COMPOUND	RESULT (UG/M3)	REPORTING LIMIT (UG/M3)	RESULT (PPB)	REPORTING LIMIT (PPB)
75-27-4	Bromodichloromethane	ND	5.0	ND	0.75
79-01-6	Trichloroethene	ND	5.0	ND	0.94
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	ND	1.1
108-10-1	4-Methyl-2-pentanone	11	5.0	2.7	1.2
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	ND	1.1
79-00-5	1,1,2-Trichloroethane	ND	5.0	ND	0.93
108-88-3	Toluene	21	5.0	5.5	1.3
124-48-1	Dibromochloromethane	ND	5.0	ND	0.59
591-78-6	2-Hexanone	ND	5.0	ND	1.2
106-93-4	1,2-Dibromoethane	ND	5.0	ND	0.66
127-18-4	Tetrachloroethene	ND	5.0	ND	0.75
108-90-7	Chlorobenzene	ND	5.0	ND	1.1
100-41-4	Ethylbenzene	9.1	5.0	2.1	1.2
75-25-2	Bromoform	ND	5.0	ND	0.49
100-42-5	Styrene	ND	5.0	ND	1.2
1330-20-7	m,p-Xylenes	40	5.0	9.3	1.2
95-47-6	o-Xylene	16	5.0	3.6	1.2
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	ND	0.74
541-73-1	1,3-Dichlorobenzene	ND	5.0	ND	0.84
106-46-7	1,4-Dichlorobenzene	ND	5.0	ND	0.84
95-50-1	1,2-Dichlorobenzene	ND	5.0	ND	0.84

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/6/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-IBM49-01
PAI Sample ID : P9800216-002

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/10/98
Date Analyzed : 2/24/98 ; 2/25/98
Volume(s) Analyzed : 0.200 Liter(s)
0.020 & 0.0050 Liter(s)

Pi 1 = 0.0
Pf 1 = 3.5

D.F. = 1.24

CAS #	COMPOUND	RESULT (UG/M3)	REPORTING LIMIT (UG/M3)	RESULT (PPB)	REPORTING LIMIT (PPB)
74-87-3	Chloromethane	ND	5.0	ND	2.4
75-01-4	Vinyl Chloride	ND	5.0	ND	2.0
75-00-3	Chloroethane	ND	5.0	ND	1.9
74-83-9	Bromomethane	ND	5.0	ND	1.3
67-64-1	Acetone	49	5.0	21	2.1
75-69-4	Trichlorofluoromethane	ND	5.0	ND	0.90
75-35-4	1,1-Dichloroethene	ND	5.0	ND	1.3
75-09-2	Methylene chloride	ND	5.0	ND	1.5
75-15-0	Carbon Disulfide	ND	5.0	ND	1.6
76-13-1	Trichlorotrifluoroethane	ND	5.0	ND	0.66
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ND	1.3
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ND	1.3
75-34-3	1,1-Dichloroethane	ND	5.0	ND	1.2
1634-04-4	Methyl tert-Butyl Ether	19	5.0	5.2	1.4
108-05-4	Vinyl Acetate	ND	5.0	ND	1.4
78-93-3	2-Butanone	37	5.0	13	1.7
67-66-3	Chloroform	ND	5.0	ND	1.0
107-06-2	1,2-Dichloroethane	ND	5.0	ND	1.2
71-55-6	1,1,1-Trichloroethane	ND	5.0	ND	0.93
71-43-2	Benzene	1,300	5.0	390	1.6
56-23-5	Carbon Tetrachloride	ND	5.0	ND	0.80
78-87-5	1,2-Dichloropropane	ND	5.0	ND	1.1

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RCS

Date : 3/6/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-IBM49-01
PAI Sample ID : P9800216-002

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/10/98
Date Analyzed : 2/24/98 ; 2/25/98
Volume(s) Analyzed : 0.200 Liter(s)
0.020 & 0.0050 Liter(s)

Pi 1 = 0.0
Pf 1 = 3.5

D.F. = 1.24

CAS #	COMPOUND	RESULT (UG/M3)	REPORTING LIMIT (UG/M3)	RESULT (PPB)	REPORTING LIMIT (PPB)
75-27-4	Bromodichloromethane	ND	5.0	ND	0.75
79-01-6	Trichloroethene	ND	5.0	ND	0.94
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	ND	1.1
108-10-1	4-Methyl-2-pentanone	ND	5.0	ND	1.2
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	ND	1.1
79-00-5	1,1,2-Trichloroethane	ND	5.0	ND	0.93
108-88-3	Toluene	25,000	5.0	6,700	1.3
124-48-1	Dibromochloromethane	ND	5.0	ND	0.59
591-78-6	2-Hexanone	ND	5.0	ND	1.2
106-93-4	1,2-Dibromoethane	ND	5.0	ND	0.66
127-18-4	Tetrachloroethene	ND	5.0	ND	0.75
108-90-7	Chlorobenzene	ND	5.0	ND	1.1
100-41-4	Ethylbenzene	4,500	5.0	1,000	1.2
75-25-2	Bromoform	ND	5.0	ND	0.49
100-42-5	Styrene	ND	5.0	ND	1.2
1330-20-7	m,p-Xylenes	13,000	5.0	2,900	1.2
95-47-6	o-Xylene	5,200	5.0	1,200	1.2
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	ND	0.74
541-73-1	1,3-Dichlorobenzene	ND	5.0	ND	0.84
106-46-7	1,4-Dichlorobenzene	ND	5.0	ND	0.84
95-50-1	1,2-Dichlorobenzene	ND	5.0	ND	0.84

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/6/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-IBM41-01
PAI Sample ID : P9800216-003

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/10/98
Date Analyzed : 2/24/98
Volume(s) Analyzed : 0.200 Liter(s)

Pi 1 = -0.7
Pf 1 = 3.4
D.F. = 1.29

CAS #	COMPOUND	RESULT (UG/M3)	REPORTING LIMIT (UG/M3)	RESULT (PPB)	REPORTING LIMIT (PPB)
74-87-3	Chloromethane	3.2 TR	5.0	1.6 TR	2.4
75-01-4	Vinyl Chloride	ND	5.0	ND	2.0
75-00-3	Chloroethane	ND	5.0	ND	1.9
74-83-9	Bromomethane	ND	5.0	ND	1.3
67-64-1	Acetone	110	5.0	46	2.1
75-69-4	Trichlorofluoromethane	ND	5.0	ND	0.90
75-35-4	1,1-Dichloroethene	ND	5.0	ND	1.3
75-09-2	Methylene chloride	360	5.0	110	1.5
75-15-0	Carbon Disulfide	ND	5.0	ND	1.6
76-13-1	Trichlorotrifluoroethane	ND	5.0	ND	0.66
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ND	1.3
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ND	1.3
75-34-3	1,1-Dichloroethane	ND	5.0	ND	1.2
1634-04-4	Methyl tert-Butyl Ether	99	5.0	28	1.4
108-05-4	Vinyl Acetate	ND	5.0	ND	1.4
78-93-3	2-Butanone	25	5.0	8.6	1.7
67-66-3	Chloroform	ND	5.0	ND	1.0
107-06-2	1,2-Dichloroethane	ND	5.0	ND	1.2
71-55-6	1,1,1-Trichloroethane	4.6 TR	5.0	0.85 TR	0.93
71-43-2	Benzene	15	5.0	4.7	1.6
56-23-5	Carbon Tetrachloride	ND	5.0	ND	0.80
78-87-5	1,2-Dichloropropane	ND	5.0	ND	1.1

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/6/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-IBM41-01
PAI Sample ID : P9800216-003

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/10/98
Date Analyzed : 2/24/98
Volume(s) Analyzed : 0.200 Liter(s)

Pi 1 = -0.7
Pf 1 = 3.4

D.F. = 1.29

CAS #	COMPOUND	RESULT (UG/M3)	REPORTING LIMIT (UG/M3)	RESULT (PPB)	REPORTING LIMIT (PPB)
75-27-4	Bromodichloromethane	ND	5.0	ND	0.75
79-01-6	Trichloroethene	ND	5.0	ND	0.94
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	ND	1.1
108-10-1	4-Methyl-2-pentanone	ND	5.0	ND	1.2
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	ND	1.1
79-00-5	1,1,2-Trichloroethane	ND	5.0	ND	0.93
108-88-3	Toluene	240	5.0	64	1.3
124-48-1	Dibromochloromethane	ND	5.0	ND	0.59
591-78-6	2-Hexanone	ND	5.0	ND	1.2
106-93-4	1,2-Dibromoethane	ND	5.0	ND	0.66
127-18-4	Tetrachloroethene	20	5.0	3.0	0.75
108-90-7	Chlorobenzene	ND	5.0	ND	1.1
100-41-4	Ethylbenzene	26	5.0	6.0	1.2
75-25-2	Bromoform	ND	5.0	ND	0.49
100-42-5	Styrene	ND	5.0	ND	1.2
1330-20-7	m,p-Xylenes	100	5.0	24	1.2
95-47-6	o-Xylene	34	5.0	7.9	1.2
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	ND	0.74
541-73-1	1,3-Dichlorobenzene	ND	5.0	ND	0.84
106-46-7	1,4-Dichlorobenzene	ND	5.0	ND	0.84
95-50-1	1,2-Dichlorobenzene	ND	5.0	ND	0.84

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/6/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-IBM03-01
PAI Sample ID : P9800216-004

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/10/98
Date Analyzed : 2/24/98 ; 2/25/98
Volume(s) Analyzed : 0.200 Liter(s)
0.020 Liter(s)

Pi 1 = -0.6
Pf 1 = 3.5

D.F. = 1.29

CAS #	COMPOUND	RESULT (UG/M3)	REPORTING LIMIT (UG/M3)	RESULT (PPB)	REPORTING LIMIT (PPB)
74-87-3	Chloromethane	ND	5.0	ND	2.4
75-01-4	Vinyl Chloride	ND	5.0	ND	2.0
75-00-3	Chloroethane	ND	5.0	ND	1.9
74-83-9	Bromomethane	ND	5.0	ND	1.3
67-64-1	Acetone	4,500	5.0	1,900	2.1
75-69-4	Trichlorofluoromethane	ND	5.0	ND	0.90
75-35-4	1,1-Dichloroethene	ND	5.0	ND	1.3
75-09-2	Methylene chloride	12	5.0	3.5	1.5
75-15-0	Carbon Disulfide	6.8	5.0	2.2	1.6
76-13-1	Trichlorotrifluoroethane	ND	5.0	ND	0.66
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ND	1.3
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ND	1.3
75-34-3	1,1-Dichloroethane	ND	5.0	ND	1.2
1634-04-4	Methyl tert-Butyl Ether	190	5.0	54	1.4
108-05-4	Vinyl Acetate	ND	5.0	ND	1.4
78-93-3	2-Butanone	15	5.0	5.0	1.7
67-66-3	Chloroform	ND	5.0	ND	1.0
107-06-2	1,2-Dichloroethane	ND	5.0	ND	1.2
71-55-6	1,1,1-Trichloroethane	ND	5.0	ND	0.93
71-43-2	Benzene	15	5.0	4.6	1.6
56-23-5	Carbon Tetrachloride	ND	5.0	ND	0.80
78-87-5	1,2-Dichloropropane	ND	5.0	ND	1.1

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : PG

Date : 3/6/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-IBM03-01
PAI Sample ID : P9800216-004

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/10/98
Date Analyzed : 2/24/98 ; 2/25/98
Volume(s) Analyzed : 0.200 Liter(s)
0.020 Liter(s)

Pi 1 = -0.6
Pf 1 = 3.5

D.F. = 1.29

CAS #	COMPOUND	RESULT (UG/M3)	REPORTING LIMIT (UG/M3)	RESULT (PPB)	REPORTING LIMIT (PPB)
75-27-4	Bromodichloromethane	ND	5.0	ND	0.75
79-01-6	Trichloroethene	ND	5.0	ND	0.94
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	ND	1.1
108-10-1	4-Methyl-2-pentanone	ND	5.0	ND	1.2
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	ND	1.1
79-00-5	1,1,2-Trichloroethane	ND	5.0	ND	0.93
108-88-3	Toluene	170	5.0	45	1.3
124-48-1	Dibromochloromethane	ND	5.0	ND	0.59
591-78-6	2-Hexanone	ND	5.0	ND	1.2
106-93-4	1,2-Dibromoethane	ND	5.0	ND	0.66
127-18-4	Tetrachloroethene	13	5.0	2.0	0.75
108-90-7	Chlorobenzene	ND	5.0	ND	1.1
100-41-4	Ethylbenzene	25	5.0	5.8	1.2
75-25-2	Bromoform	ND	5.0	ND	0.49
100-42-5	Styrene	3.7 TR	5.0	0.86 TR	1.2
1330-20-7	m,p-Xylenes	100	5.0	24	1.2
95-47-6	o-Xylene	38	5.0	8.7	1.2
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	ND	0.74
541-73-1	1,3-Dichlorobenzene	ND	5.0	ND	0.84
106-46-7	1,4-Dichlorobenzene	ND	5.0	ND	0.84
95-50-1	1,2-Dichlorobenzene	ND	5.0	ND	0.84

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/6/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-IBM24B-01
PAI Sample ID : P9800216-005

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/10/98
Date Analyzed : 2/25/98
Volume(s) Analyzed : 0.200 Liter(s)

Pi 1 = -1.2
Pf 1 = 3.4

D.F. = 1.34

CAS #	COMPOUND	RESULT (UG/M3)	REPORTING LIMIT (UG/M3)	RESULT (PPB)	REPORTING LIMIT (PPB)
74-87-3	Chloromethane	ND	5.0	ND	2.4
75-01-4	Vinyl Chloride	ND	5.0	ND	2.0
75-00-3	Chloroethane	ND	5.0	ND	1.9
74-83-9	Bromomethane	ND	5.0	ND	1.3
67-64-1	Acetone	29	5.0	12	2.1
75-69-4	Trichlorofluoromethane	ND	5.0	ND	0.90
75-35-4	1,1-Dichloroethene	ND	5.0	ND	1.3
75-09-2	Methylene chloride	6.2	5.0	1.8	1.5
75-15-0	Carbon Disulfide	ND	5.0	ND	1.6
76-13-1	Trichlorotrifluoroethane	ND	5.0	ND	0.66
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ND	1.3
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ND	1.3
75-34-3	1,1-Dichloroethane	ND	5.0	ND	1.2
1634-04-4	Methyl tert-Butyl Ether	16	5.0	4.4	1.4
108-05-4	Vinyl Acetate	ND	5.0	ND	1.4
78-93-3	2-Butanone	ND	5.0	ND	1.7
67-66-3	Chloroform	ND	5.0	ND	1.0
107-06-2	1,2-Dichloroethane	ND	5.0	ND	1.2
71-55-6	1,1,1-Trichloroethane	ND	5.0	ND	0.93
71-43-2	Benzene	3.7 TR	5.0	1.2 TR	1.6
56-23-5	Carbon Tetrachloride	ND	5.0	ND	0.80
78-87-5	1,2-Dichloropropane	ND	5.0	ND	1.1

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/6/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-IBM24B-01
PAI Sample ID : P9800216-005

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/10/98
Date Analyzed : 2/25/98
Volume(s) Analyzed : 0.200 Liter(s)

Pi 1 = -1.2
Pf 1 = 3.4
D.F. = 1.34

CAS #	COMPOUND	RESULT (UG/M3)	REPORTING LIMIT (UG/M3)	RESULT (PPB)	REPORTING LIMIT (PPB)
75-27-4	Bromodichloromethane	ND	5.0	ND	0.75
79-01-6	Trichloroethene	ND	5.0	ND	0.94
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	ND	1.1
108-10-1	4-Methyl-2-pentanone	ND	5.0	ND	1.2
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	ND	1.1
79-00-5	1,1,2-Trichloroethane	ND	5.0	ND	0.93
108-88-3	Toluene	18	5.0	4.7	1.3
124-48-1	Dibromochloromethane	ND	5.0	ND	0.59
591-78-6	2-Hexanone	ND	5.0	ND	1.2
106-93-4	1,2-Dibromoethane	ND	5.0	ND	0.66
127-18-4	Tetrachloroethene	4.2 TR	5.0	0.62 TR	0.75
108-90-7	Chlorobenzene	ND	5.0	ND	1.1
100-41-4	Ethylbenzene	ND	5.0	ND	1.2
75-25-2	Bromoform	ND	5.0	ND	0.49
100-42-5	Styrene	ND	5.0	ND	1.2
1330-20-7	m,p-Xylenes	7.3	5.0	1.7	1.2
95-47-6	o-Xylene	ND	5.0	ND	1.2
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	ND	0.74
541-73-1	1,3-Dichlorobenzene	ND	5.0	ND	0.84
106-46-7	1,4-Dichlorobenzene	ND	5.0	ND	0.84
95-50-1	1,2-Dichlorobenzene	ND	5.0	ND	0.84

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/6/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-IBM24-01
PAI Sample ID : P9800216-006

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/10/98
Date Analyzed : 2/25/98
Volume(s) Analyzed : 0.200 Liter(s)

Pi 1 = -3.6
Pf 1 = 3.4
D.F. = 1.63

CAS #	COMPOUND	RESULT (UG/M3)	REPORTING LIMIT (UG/M3)	RESULT (PPB)	REPORTING LIMIT (PPB)
74-87-3	Chloromethane	ND	5.0	ND	2.4
75-01-4	Vinyl Chloride	ND	5.0	ND	2.0
75-00-3	Chloroethane	ND	5.0	ND	1.9
74-83-9	Bromomethane	ND	5.0	ND	1.3
67-64-1	Acetone	63	5.0	27	2.1
75-69-4	Trichlorofluoromethane	ND	5.0	ND	0.90
75-35-4	1,1-Dichloroethene	ND	5.0	ND	1.3
75-09-2	Methylene chloride	8.7	5.0	2.5	1.5
75-15-0	Carbon Disulfide	ND	5.0	ND	1.6
76-13-1	Trichlorotrifluoroethane	ND	5.0	ND	0.66
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ND	1.3
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ND	1.3
75-34-3	1,1-Dichloroethane	ND	5.0	ND	1.2
1634-04-4	Methyl tert-Butyl Ether	17	5.0	4.7	1.4
108-05-4	Vinyl Acetate	ND	5.0	ND	1.4
78-93-3	2-Butanone	8.6	5.0	2.9	1.7
67-66-3	Chloroform	ND	5.0	ND	1.0
107-06-2	1,2-Dichloroethane	ND	5.0	ND	1.2
71-55-6	1,1,1-Trichloroethane	ND	5.0	ND	0.93
71-43-2	Benzene	4.6 TR	5.0	1.4 TR	1.6
56-23-5	Carbon Tetrachloride	ND	5.0	ND	0.80
78-87-5	1,2-Dichloropropane	ND	5.0	ND	1.1

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RCS

Date : 3/6/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-IBM24-01
PAI Sample ID : P9800216-006

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/10/98
Date Analyzed : 2/25/98
Volume(s) Analyzed : 0.200 Liter(s)

Pi 1 = -3.6
Pf 1 = 3.4

D.F. = 1.63

CAS #	COMPOUND	RESULT (UG/M3)	REPORTING LIMIT (UG/M3)	RESULT (PPB)	REPORTING LIMIT (PPB)
75-27-4	Bromodichloromethane	ND	5.0	ND	0.75
79-01-6	Trichloroethene	ND	5.0	ND	0.94
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	ND	1.1
108-10-1	4-Methyl-2-pentanone	ND	5.0	ND	1.2
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	ND	1.1
79-00-5	1,1,2-Trichloroethane	ND	5.0	ND	0.93
108-88-3	Toluene	35	5.0	9.3	1.3
124-48-1	Dibromochloromethane	ND	5.0	ND	0.59
591-78-6	2-Hexanone	ND	5.0	ND	1.2
106-93-4	1,2-Dibromoethane	ND	5.0	ND	0.66
127-18-4	Tetrachloroethene	4.4 TR	5.0	0.66 TR	0.75
108-90-7	Chlorobenzene	ND	5.0	ND	1.1
100-41-4	Ethylbenzene	ND	5.0	ND	1.2
75-25-2	Bromoform	ND	5.0	ND	0.49
100-42-5	Styrene	ND	5.0	ND	1.2
1330-20-7	m,p-Xylenes	11	5.0	2.6	1.2
95-47-6	o-Xylene	ND	5.0	ND	1.2
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	ND	0.74
541-73-1	1,3-Dichlorobenzene	ND	5.0	ND	0.84
106-46-7	1,4-Dichlorobenzene	ND	5.0	ND	0.84
95-50-1	1,2-Dichlorobenzene	ND	5.0	ND	0.84

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/6/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-IBM50-01
PAI Sample ID : P9800216-007

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/10/98
Date Analyzed : 2/25/98
Volume(s) Analyzed : 0.200 Liter(s)

Pi 1 = -0.1
Pf 1 = 3.4

D.F. = 1.24

CAS #	COMPOUND	RESULT (UG/M3)	REPORTING LIMIT (UG/M3)	RESULT (PPB)	REPORTING LIMIT (PPB)
74-87-3	Chloromethane	ND	5.0	ND	2.4
75-01-4	Vinyl Chloride	ND	5.0	ND	2.0
75-00-3	Chloroethane	ND	5.0	ND	1.9
74-83-9	Bromomethane	ND	5.0	ND	1.3
67-64-1	Acetone	41	5.0	17	2.1
75-69-4	Trichlorofluoromethane	ND	5.0	ND	0.90
75-35-4	1,1-Dichloroethene	ND	5.0	ND	1.3
75-09-2	Methylene chloride	ND	5.0	ND	1.5
75-15-0	Carbon Disulfide	ND	5.0	ND	1.6
76-13-1	Trichlorotrifluoroethane	ND	5.0	ND	0.66
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ND	1.3
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ND	1.3
75-34-3	1,1-Dichloroethane	ND	5.0	ND	1.2
1634-04-4	Methyl tert-Butyl Ether	12	5.0	3.3	1.4
108-05-4	Vinyl Acetate	ND	5.0	ND	1.4
78-93-3	2-Butanone	15	5.0	5.1	1.7
67-66-3	Chloroform	ND	5.0	ND	1.0
107-06-2	1,2-Dichloroethane	ND	5.0	ND	1.2
71-55-6	1,1,1-Trichloroethane	ND	5.0	ND	0.93
71-43-2	Benzene	3.2 TR	5.0	1.0 TR	1.6
56-23-5	Carbon Tetrachloride	ND	5.0	ND	0.80
78-87-5	1,2-Dichloropropane	ND	5.0	ND	1.1

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/6/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-IBMS0-01
PAI Sample ID : P9800216-007

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/10/98
Date Analyzed : 2/25/98
Volume(s) Analyzed : 0.200 Liter(s)

Pi 1 = -0.1
Pf 1 = 3.4

D.F. = 1.24

CAS #	COMPOUND	RESULT (UG/M3)	REPORTING LIMIT (UG/M3)	RESULT (PPB)	REPORTING LIMIT (PPB)
75-27-4	Bromodichloromethane	ND	5.0	ND	0.75
79-01-6	Trichloroethene	ND	5.0	ND	0.94
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	ND	1.1
108-10-1	4-Methyl-2-pentanone	ND	5.0	ND	1.2
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	ND	1.1
79-00-5	1,1,2-Trichloroethane	ND	5.0	ND	0.93
108-88-3	Toluene	14	5.0	3.8	1.3
124-48-1	Dibromochloromethane	ND	5.0	ND	0.59
591-78-6	2-Hexanone	ND	5.0	ND	1.2
106-93-4	1,2-Dibromoethane	ND	5.0	ND	0.66
127-18-4	Tetrachloroethene	4.5 TR	5.0	0.67 TR	0.75
108-90-7	Chlorobenzene	ND	5.0	ND	1.1
100-41-4	Ethylbenzene	ND	5.0	ND	1.2
75-25-2	Bromoform	ND	5.0	ND	0.49
100-42-5	Styrene	ND	5.0	ND	1.2
1330-20-7	m,p-Xylenes	6.2	5.0	1.4	1.2
95-47-6	o-Xylene	ND	5.0	ND	1.2
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	ND	0.74
541-73-1	1,3-Dichlorobenzene	ND	5.0	ND	0.84
106-46-7	1,4-Dichlorobenzene	ND	5.0	ND	0.84
95-50-1	1,2-Dichlorobenzene	ND	5.0	ND	0.84

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/6/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-IBMFD-50-01
PAI Sample ID : P9800216-008

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/10/98
Date Analyzed : 2/25/98
Volume(s) Analyzed : 0.200 Liter(s)

Pi 1 = -0.8
Pf 1 = 3.4

D.F. = 1.30

CAS #	COMPOUND	RESULT (UG/M3)	REPORTING LIMIT (UG/M3)	RESULT (PPB)	REPORTING LIMIT (PPB)
74-87-3	Chloromethane	ND	5.0	ND	2.4
75-01-4	Vinyl Chloride	ND	5.0	ND	2.0
75-00-3	Chloroethane	ND	5.0	ND	1.9
74-83-9	Bromomethane	ND	5.0	ND	1.3
67-64-1	Acetone	45	5.0	19	2.1
75-69-4	Trichlorofluoromethane	ND	5.0	ND	0.90
75-35-4	1,1-Dichloroethene	ND	5.0	ND	1.3
75-09-2	Methylene chloride	ND	5.0	ND	1.5
75-15-0	Carbon Disulfide	ND	5.0	ND	1.6
76-13-1	Trichlorotrifluoroethane	ND	5.0	ND	0.66
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ND	1.3
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ND	1.3
75-34-3	1,1-Dichloroethane	ND	5.0	ND	1.2
1634-04-4	Methyl tert-Butyl Ether	17	5.0	4.7	1.4
108-05-4	Vinyl Acetate	ND	5.0	ND	1.4
78-93-3	2-Butanone	6.1	5.0	2.1	1.7
67-66-3	Chloroform	ND	5.0	ND	1.0
107-06-2	1,2-Dichloroethane	ND	5.0	ND	1.2
71-55-6	1,1,1-Trichloroethane	ND	5.0	ND	0.93
71-43-2	Benzene	4.1 TR	5.0	1.3 TR	1.6
56-23-5	Carbon Tetrachloride	ND	5.0	ND	0.80
78-87-5	1,2-Dichloropropane	ND	5.0	ND	1.1

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/6/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : WD1-IBMFD-S0-01
PAI Sample ID : P9800216-008

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 2/9/98
Date Received : 2/10/98
Date Analyzed : 2/25/98
Volume(s) Analyzed : 0.200 Liter(s)

Pi 1 = -0.8
Pf 1 = 3.4

D.F. = 1.30

CAS #	COMPOUND	RESULT (UG/M3)	REPORTING LIMIT (UG/M3)	RESULT (PPB)	REPORTING LIMIT (PPB)
75-27-4	Bromodichloromethane	ND	5.0	ND	0.75
79-01-6	Trichloroethene	ND	5.0	ND	0.94
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	ND	1.1
108-10-1	4-Methyl-2-pentanone	ND	5.0	ND	1.2
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	ND	1.1
79-00-5	1,1,2-Trichloroethane	ND	5.0	ND	0.93
108-88-3	Toluene	18	5.0	4.7	1.3
124-48-1	Dibromochloromethane	ND	5.0	ND	0.59
591-78-6	2-Hexanone	ND	5.0	ND	1.2
106-93-4	1,2-Dibromoethane	ND	5.0	ND	0.66
127-18-4	Tetrachloroethene	5.5	5.0	0.82	0.75
108-90-7	Chlorobenzene	ND	5.0	ND	1.1
100-41-4	Ethylbenzene	ND	5.0	ND	1.2
75-25-2	Bromoform	ND	5.0	ND	0.49
100-42-5	Styrene	ND	5.0	ND	1.2
1330-20-7	m,p-Xylenes	6.6	5.0	1.5	1.2
95-47-6	o-Xylene	ND	5.0	ND	1.2
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	ND	0.74
541-73-1	1,3-Dichlorobenzene	ND	5.0	ND	0.84
106-46-7	1,4-Dichlorobenzene	ND	5.0	ND	0.84
95-50-1	1,2-Dichlorobenzene	ND	5.0	ND	0.84

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/6/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 2/24/98
Volume(s) Analyzed : 1.000 Liter(s)

Pi 1 = 0.0
Pf 1 = 0.0

D.F. = 1.00

CAS #	COMPOUND	RESULT (UG/M3)	REPORTING LIMIT (UG/M3)	RESULT (PPB)	REPORTING LIMIT (PPB)
74-87-3	Chloromethane	ND	1.0	ND	0.49
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
75-00-3	Chloroethane	ND	1.0	ND	0.38
74-83-9	Bromomethane	ND	1.0	ND	0.26
67-64-1	Acetone	ND	1.0	ND	0.42
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	ND	1.0	ND	0.29
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	ND	1.0	ND	0.34
67-66-3	Chloroform	ND	1.0	ND	0.21
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.19
71-43-2	Benzene	ND	1.0	ND	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/6/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 2/24/98
Volume(s) Analyzed : 1.000 Liter(s)

Pi 1 = 0.0
Pf 1 = 0.0

D.F. = 1.00

CAS #	COMPOUND	RESULT (UG/M3)	REPORTING LIMIT (UG/M3)	RESULT (PPB)	REPORTING LIMIT (PPB)
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.19
108-88-3	Toluene	ND	1.0	ND	0.27
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
591-78-6	2-Hexanone	ND	1.0	ND	0.24
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	ND	1.0	ND	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.24
1330-20-7	m,p-Xylenes	ND	1.0	ND	0.23
95-47-6	o-Xylene	ND	1.0	ND	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : PG

Date : 3/6/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 2/25/98
Volume(s) Analyzed : 1.000 Liter(s)

Pi 1 = 0.0
Pf 1 = 0.0

D.F. = 1.00

CAS #	COMPOUND	RESULT (UG/M3)	REPORTING LIMIT (UG/M3)	RESULT (PPB)	REPORTING LIMIT (PPB)
74-87-3	Chloromethane	ND	1.0	ND	0.49
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
75-00-3	Chloroethane	ND	1.0	ND	0.38
74-83-9	Bromomethane	ND	1.0	ND	0.26
67-64-1	Acetone	ND	1.0	ND	0.42
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	ND	1.0	ND	0.29
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	ND	1.0	ND	0.34
67-66-3	Chloroform	ND	1.0	ND	0.21
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.19
71-43-2	Benzene	ND	1.0	ND	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 3/6/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 2/25/98
Volume(s) Analyzed : 1.000 Liter(s)

Pi 1 = 0.0
Pf 1 = 0.0

D.F. = 1.00

CAS #	COMPOUND	RESULT (UG/M3)	REPORTING LIMIT (UG/M3)	RESULT (PPB)	REPORTING LIMIT (PPB)
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.19
108-88-3	Toluene	ND	1.0	ND	0.27
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
591-78-6	2-Hexanone	ND	1.0	ND	0.24
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	ND	1.0	ND	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.24
1330-20-7	m,p-Xylenes	ND	1.0	ND	0.23
95-47-6	o-Xylene	ND	1.0	ND	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RCS

Date : 3/6/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Ship To: VOC Analytical
Attn: Sample Control
801 Western
Glendale CA

Page 1 of 1
Project Name: WDI
Project No.: 94-256
Site Location: Santa Fe Springs CA
Date: 2/9/98

CHAIN OF CUSTODY RECORD

P9800216

E9802179

	Boring/Well No.	Sample No.	Depth	Date	Time	Sample Type: Water	Solid	Other	Comp.	Grab.	Sample Containers: Vol.	No.	Type	Pres.	Analysis: TO-15	Methane	NMHC					Remarks
-001	WDI-IB	M22-	01	2/9/98				Air			6L	1	Sum	-	X	X	X					596
-002	WDI-IB	M49-	01	↓				↓			↓	↓	↓		X	X	X					528
-003	WDI-IB	M41-	01	↓				↓			↓	↓	↓		X	X	X					489
-004	WDI-IB	M03-	01	↓				↓			↓	↓	↓		X	X	X					473
-005	WDI-IBM	24B-01		↓				↓			↓	↓	↓		X	X	X					267
-006	WDI-IBM	24-01		↓				↓			↓	↓	↓		X	X	X					499
-007	WDI-IBM	50-01		↓				↓			↓	↓	↓		X	X	X					396
-008	WDI-IBM	FD-50	-01	↓				↓			↓	↓	↓		X	X	X					455

Total Number of Samples Shipped: Shipper's Signature: Glenn Andrusko

	Signature	Company	Date	Time
Relinquished by:	Glenn Andrusko	TBC	2/9/98	1130
Received by:	[signature]	ARIA	2-9-98	11:30
Relinquished by:	[signature]	ARIA	2-9-98	12:00
Received by:	[signature]	TBC	2/9/98	12:00
Relinquished by:				
Received by:	Robert D To	Performance Analytical Inc.	2/10/98	10:30 AM.

Special Instructions / Shipment / Handling/ Storage Requirements:

Send results attn. Roberto Puga

The material(s) listed are received for analysis and/or treatability evaluation and remain the property of the client and not Environmental Solutions, Inc. At the conclusion of the test work, all remaining material(s) will be returned to the client for eventual disposal at a licensed facility.

☒ ENVIRONMENTAL SOLUTIONS, INC.
21 Technology Drive
Irvine, California 92718

☐ ENVIRONMENTAL SOLUTIONS, INC.
1172 Pelican Bay Drive
Daytona Beach, Florida 32119

☐ ENVIRONMENTAL SOLUTIONS, INC.
1201 N. McDowell Boulevard
Petaluma, California 94954

☐ ENVIRONMENTAL SOLUTIONS, INC.
2815 Mitchell Drive, Suite 103
Walnut Creek, California 94598

ATTACHMENT A.6

GROUND WATER

TRC

ANALYTICAL REPORT

Our Quality Control Is Your Quality Assurance

LOG NO: G98-01-466

Received: 26 JAN 98
Mailed : 17 MAR 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-466-1	WDI-GMW19-05	26 JAN 98
01-466-2	WDI-GMW18-05	26 JAN 98
01-466-3	WDI-GMW06-05	26 JAN 98
01-466-4	WDI-GMW07-05	26 JAN 98
01-466-5	WDI-MWFD07-05	26 JAN 98

PARAMETER	01-466-1	01-466-2	01-466-3	01-466-4	01-466-5
Digestion (3005), Date	02/05/98	02/05/98	02/05/98	02/05/98	02/05/98
Furnace Digestion (3020), Date	02/05/98	02/05/98	02/05/98	02/05/98	02/05/98
Arsenic (7060), mg/L	<0.002	<0.002	<0.002	<0.002	<0.002
Antimony (6010), mg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Barium (6010), mg/L	0.019	0.023	0.023	0.020	0.021
Beryllium (6010), mg/L	<0.001	<0.001	<0.001	<0.001	<0.001
Cadmium (7131), mg/L	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium (6010), mg/L	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (6010), mg/L	<0.04	<0.04	<0.04	<0.04	<0.04
Copper (6010), mg/L	<0.02	<0.02	<0.02	<0.02	<0.02
Lead (7421), mg/L	<0.002	<0.002	<0.002	<0.002	<0.002
Mercury (7470), mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (6010), mg/L	<0.02	<0.02	<0.02	<0.02	<0.02
Nickel (6010), mg/L	<0.04	<0.04	<0.04	<0.04	<0.04
Selenium (7740), mg/L	0.017	0.028	0.018	0.023	0.022
Silver (6010), mg/L	<0.01	0.010	<0.01	0.011	<0.01
Thallium (6010), mg/L	<0.07	<0.07	<0.07	<0.07	<0.07
Vanadium (6010), mg/L	<0.04	<0.04	<0.04	<0.04	<0.04
Zinc (6010), mg/L	<0.01	<0.01	0.010	<0.01	<0.01
Aluminum (6010), mg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium (6010), mg/L	260	260	250	220	240
Iron (6010), mg/L	<0.04	0.049	<0.04	<0.04	<0.04

LOG NO: G98-01-466

Received: 26 JAN 98
Mailed : 17 MAR 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-466-1	WDI-GMW19-05	26 JAN 98
01-466-2	WDI-GMW18-05	26 JAN 98
01-466-3	WDI-GMW06-05	26 JAN 98
01-466-4	WDI-GMW07-05	26 JAN 98
01-466-5	WDI-MWFD07-05	26 JAN 98

PARAMETER	01-466-1	01-466-2	01-466-3	01-466-4	01-466-5
B/N,A Ext.Pri.Poll. (8270)					
Date Analyzed	02/23/98	02/23/98	02/23/98	02/24/98	02/11/98
Date Extracted	01/30/98	01/30/98	01/30/98	01/30/98	01/30/98
Dilution Factor, Times	1	1	1	1	1
1,2,4-Trichlorobenzene, ug/L	<5	<5	<5	<5	<5
1,2-Dichlorobenzene, ug/L	<5	<5	<5	<5	<5
1,2-Diphenylhydrazine, ug/L	<5	<5	<5	<5	<5
1,3-Dichlorobenzene, ug/L	<5	<5	<5	<5	<5
1,4-Dichlorobenzene, ug/L	<5	<5	<5	<5	<5
2,4,5-Trichlorophenol, ug/L	<5	<5	<5	<5	<5
2,4,6-Trichlorophenol, ug/L	<5	<5	<5	<5	<5
2,4-Dichlorophenol, ug/L	<5	<5	<5	<5	<5
2,4-Dimethylphenol, ug/L	<5	<5	<5	<5	<5
2,4-Dinitrophenol, ug/L	<10	<10	<10	<10	<10
2,4-Dinitrotoluene, ug/L	<5	<5	<5	<5	<5
2,6-Dinitrotoluene, ug/L	<5	<5	<5	<5	<5
2-Chloronaphthalene, ug/L	<5	<5	<5	<5	<5
2-Chlorophenol, ug/L	<5	<5	<5	<5	<5
2-Methyl-4,6-dinitrophenol, ug/L	<10	<10	<10	<10	<10
2-Methylnaphthalene, ug/L	<5	<5	<5	<5	<5
2-Methylphenol (o-Cresol), ug/L	<5	<5	<5	<5	<5
2-Nitroaniline, ug/L	<5	<5	<5	<5	<5
2-Nitrophenol, ug/L	<5	<5	<5	<5	<5

LOG NO: G98-01-466

Received: 26 JAN 98
Mailed : 17 MAR 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-466-1	WDI-GMW19-05	26 JAN 98
01-466-2	WDI-GMW18-05	26 JAN 98
01-466-3	WDI-GMW06-05	26 JAN 98
01-466-4	WDI-GMW07-05	26 JAN 98
01-466-5	WDI-MWFD07-05	26 JAN 98

PARAMETER	01-466-1	01-466-2	01-466-3	01-466-4	01-466-5
3,3'-Dichlorobenzidine, ug/L	<10	<10	<10	<10	<10
3-Nitroaniline, ug/L	<5	<5	<5	<5	<5
4-Bromophenylphenylether, ug/L	<5	<5	<5	<5	<5
4-Chloro-3-methylphenol, ug/L	<5	<5	<5	<5	<5
4-Chloroaniline, ug/L	<5	<5	<5	<5	<5
4-Chlorophenylphenylether, ug/L	<5	<5	<5	<5	<5
4-Methylphenol (p-Cresol), ug/L	<10	<10	<10	<10	<10
4-Nitroaniline, ug/L	<5	<5	<5	<5	<5
4-Nitrophenol, ug/L	<10	<10	<10	<10	<10
Acenaphthene, ug/L	<5	<5	<5	<5	<5
Acenaphthylene, ug/L	<5	<5	<5	<5	<5
Aniline, ug/L	<5	<5	<5	<5	<5
Anthracene, ug/L	<5	<5	<5	<5	<5
Benzidine, ug/L	<100	<100	<100	<100	<100
Benzo(a)anthracene, ug/L	<5	<5	<5	<5	<5
Benzo(a)pyrene, ug/L	<5	<5	<5	<5	<5
Benzo(b)fluoranthene, ug/L	<5	<5	<5	<5	<5
Benzo(g,h,i)perylene, ug/L	<5	<5	<5	<5	<5
Benzo(k)fluoranthene, ug/L	<5	<5	<5	<5	<5
Benzyl Alcohol, ug/L	<10	<10	<10	<10	<10
Benzoic acid, ug/L	<50	<50	<50	<50	<50
Butylbenzylphthalate, ug/L	<5	<5	<5	<5	<5
Chrysene, ug/L	<5	<5	<5	<5	<5

LOG NO: G98-01-466

Received: 26 JAN 98
Mailed : 17 MAR 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-466-1	WDI-GMW19-05	26 JAN 98
01-466-2	WDI-GMW18-05	26 JAN 98
01-466-3	WDI-GMW06-05	26 JAN 98
01-466-4	WDI-GMW07-05	26 JAN 98
01-466-5	WDI-MWFD07-05	26 JAN 98

PARAMETER	01-466-1	01-466-2	01-466-3	01-466-4	01-466-5
Di-n-octylphthalate, ug/L	<5	<5	<5	<5	<5
Dibenzo(a,h)anthracene, ug/L	<5	<5	<5	<5	<5
Dibenzofuran, ug/L	<5	<5	<5	<5	<5
Dibutylphthalate, ug/L	<10	<10	<10	<10	<10
Diethylphthalate, ug/L	<10	<10	<10	<10	<10
Dimethylphthalate, ug/L	<5	<5	<5	<5	<5
Fluoranthene, ug/L	<5	<5	<5	<5	<5
Fluorene, ug/L	<5	<5	<5	<5	<5
Hexachlorobenzene, ug/L	<5	<5	<5	<5	<5
Hexachlorobutadiene, ug/L	<5	<5	<5	<5	<5
Hexachlorocyclopentadiene, ug/L	<10	<10	<10	<10	<10
Hexachloroethane, ug/L	<5	<5	<5	<5	<5
Indeno(1,2,3-c,d)pyrene, ug/L	<5	<5	<5	<5	<5
Isophorone, ug/L	<5	<5	<5	<5	<5
N-Nitrosodimethylamine, ug/L	<5	<5	<5	<5	<5
N-Nitrosodiphenylamine, ug/L	<5	<5	<5	<5	<5
N-Nitrosodi-n-propylamine, ug/L	<5	<5	<5	<5	<5
Nitrobenzene, ug/L	<5	<5	<5	<5	<5
Naphthalene, ug/L	<5	<5	<5	<5	<5
Phenanthrene, ug/L	<5	<5	<5	<5	<5
Phenol, ug/L	<5	<5	<5	<5	<5
Pentachlorophenol, ug/L	<10	<10	<10	<10	<10
Pyrene, ug/L	<5	<5	<5	<5	<5

LOG NO: G98-01-466

Received: 26 JAN 98
Mailed : 17 MAR 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-466-1	WDI-GMW19-05	26 JAN 98
01-466-2	WDI-GMW18-05	26 JAN 98
01-466-3	WDI-GMW06-05	26 JAN 98
01-466-4	WDI-GMW07-05	26 JAN 98
01-466-5	WDI-MWFD07-05	26 JAN 98

PARAMETER	01-466-1	01-466-2	01-466-3	01-466-4	01-466-5
Pyridine, ug/L	<10	<10	<10	<10	<10
Bis(2-chloroethoxy)methane, ug/L	<5	<5	<5	<5	<5
Bis(2-chloroethyl)ether, ug/L	<5	<5	<5	<5	<5
Bis(2-chloroisopropyl)ether, ug/L	<5	<5	<5	<5	<5
Bis(2-ethylhexyl)phthalate, ug/L	<10	<10	<10	<10	<10
Surrogates **					
2-Fluorobiphenyl Reported, ug/L	42.3	39.7	42.6	43.6	39.7
2-Fluorobiphenyl Theo., ug/L	50.0	50.0	50.0	50.0	50.0
2-Fluorophenol Reported, ug/L	46.4	43.7	44.5	44.5	42.7
2-Fluorophenol Theoretical, ug/L	75.0	75.0	75.0	75.0	75.0
2,4,6-Tribromophenol Rep., ug/L	66.1	59.6	66.1	64.5	64.8
2,4,6-Tribromophenol Theo., ug/L	75.0	75.0	75.0	75.0	75.0
Nitrobenzene-d5 Reported, ug/L	39.4	37.3	40.7	41.2	38.5
Nitrobenzene-d5 Theoretical, ug/L	50.0	50.0	50.0	50.0	50.0
Phenol-d5 Reported, ug/L	38.3	35.0	34.2	34.7	34.8
Phenol-d5 Theoretical, ug/L	75.0	75.0	75.0	75.0	75.0
Terphenyl-d14 Reported, ug/L	39.3	38.8	41.6	41.7	40.5
Terphenyl-d14 Theoretical, ug/L	50.0	50.0	50.0	50.0	50.0

LOG NO: G98-01-466

Received: 26 JAN 98
Mailed : 17 MAR 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-466-1	WDI-GMW19-05	26 JAN 98
01-466-2	WDI-GMW18-05	26 JAN 98
01-466-3	WDI-GMW06-05	26 JAN 98
01-466-4	WDI-GMW07-05	26 JAN 98
01-466-5	WDI-MWFD07-05	26 JAN 98

PARAMETER	01-466-1	01-466-2	01-466-3	01-466-4	01-466-5
Volatile Organics (8260A)					
Date Analyzed	02/08/98	02/08/98	02/08/98	02/08/98	02/08/98
Dilution Factor, Times	1	1	1	1	1
1,1,1-Trichloroethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
2-Chloroethylvinylether, ug/L	<4	<4	<4	<4	<4
2-Hexanone, ug/L	<5	<5	<5	<5	<5
Acetone, ug/L	<10	<10	<10	<10	<10
Bromodichloromethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Bromomethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Benzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Bromoform, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Carbon Tetrachloride, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform, ug/L	<0.5	<0.5	1.5	2.9	2.8
Chloromethane, ug/L	<1	<1	<1	<1	<1
Carbon Disulfide, ug/L	<2	<2	<2	<2	<2

LOG NO: G98-01-466

Received: 26 JAN 98
Mailed : 17 MAR 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-466-1	WDI-GMW19-05	26 JAN 98
01-466-2	WDI-GMW18-05	26 JAN 98
01-466-3	WDI-GMW06-05	26 JAN 98
01-466-4	WDI-GMW07-05	26 JAN 98
01-466-5	WDI-MWFD07-05	26 JAN 98

PARAMETER	01-466-1	01-466-2	01-466-3	01-466-4	01-466-5
Dibromochloromethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Methyl ethyl ketone, ug/L	<10	<10	<10	<10	<10
Methyl isobutyl ketone, ug/L	<4	<4	<4	<4	<4
Methylene chloride, ug/L	<2	<2	<2	<2	<2
Trichloroethene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl acetate, ug/L	<5	<5	<5	<5	<5
Vinyl chloride, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Surrogates **					
4-Bromofluorobenzene Rep., ug/L	47.7	47.6	47.6	48.3	48.3
4-Bromofluorobenzene Theo., ug/L	50.0	50.0	50.0	50.0	50.0
Toluene-d8 Reported, ug/L	47.5	48.7	48.8	48.3	49.0
Toluene-d8 Theo., ug/L	50.0	50.0	50.0	50.0	50.0
Dibromofluoromethane Rep., ug/L	50.6	50.8	50.0	50.4	50.7
Dibromofluoromethane Theo., ug/L	50.0	50.0	50.0	50.0	50.0

LOG NO: G98-01-466

Received: 26 JAN 98
Mailed : 17 MAR 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-466-6	WDI-GMW05-05	26 JAN 98

PARAMETER	01-466-6
Digestion (3005), Date	02/05/98
Furnace Digestion (3020), Date	02/05/98
Arsenic (7060), mg/L	0.016
Antimony (6010), mg/L	<0.1
Barium (6010), mg/L	0.034
Beryllium (6010), mg/L	<0.001
Cadmium (7131), mg/L	<0.001
Chromium (6010), mg/L	<0.01
Cobalt (6010), mg/L	<0.04
Copper (6010), mg/L	<0.02
Lead (7421), mg/L	<0.002
Mercury (7470), mg/L	<0.0002
Molybdenum (6010), mg/L	<0.02
Nickel (6010), mg/L	<0.04
Selenium (7740), mg/L	0.0074
Silver (6010), mg/L	<0.01
Thallium (6010), mg/L	<0.07
Vanadium (6010), mg/L	<0.04
Zinc (6010), mg/L	<0.01
Aluminum (6010), mg/L	<0.1
Calcium (6010), mg/L	310
Iron (6010), mg/L	0.88

LOG NO: G98-01-466

Received: 26 JAN 98
Mailed : 17 MAR 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-466-6	WDI-GMW05-05	26 JAN 98

PARAMETER	01-466-6
B/N,A Ext.Pri.Poll. (8270)	
Date Analyzed	02/11/98
Date Extracted	01/30/98
Dilution Factor, Times	1
1,2,4-Trichlorobenzene, ug/L	<5
1,2-Dichlorobenzene, ug/L	<5
1,2-Diphenylhydrazine, ug/L	<5
1,3-Dichlorobenzene, ug/L	<5
1,4-Dichlorobenzene, ug/L	<5
2,4,5-Trichlorophenol, ug/L	<5
2,4,6-Trichlorophenol, ug/L	<5
2,4-Dichlorophenol, ug/L	<5
2,4-Dimethylphenol, ug/L	<5
2,4-Dinitrophenol, ug/L	<10
2,4-Dinitrotoluene, ug/L	<5
2,6-Dinitrotoluene, ug/L	<5
2-Chloronaphthalene, ug/L	<5
2-Chlorophenol, ug/L	<5
2-Methyl-4,6-dinitrophenol, ug/L	<10
2-Methylnaphthalene, ug/L	<5
2-Methylphenol (o-Cresol), ug/L	<5
2-Nitroaniline, ug/L	<5
2-Nitrophenol, ug/L	<5
3,3'-Dichlorobenzidine, ug/L	<10
3-Nitroaniline, ug/L	<5
4-Bromophenylphenylether, ug/L	<5
4-Chloro-3-methylphenol, ug/L	<5

LOG NO: G98-01-466

Received: 26 JAN 98
Mailed : 17 MAR 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-466-6	WDI-GMW05-05	26 JAN 98

PARAMETER	01-466-6				
4-Chloroaniline, ug/L	<5				
4-Chlorophenylphenylether, ug/L	<5				
4-Methylphenol (p-Cresol), ug/L	<10				
4-Nitroaniline, ug/L	<5				
4-Nitrophenol, ug/L	<10				
Acenaphthene, ug/L	<5				
Acenaphthylene, ug/L	<5				
Aniline, ug/L	<5				
Anthracene, ug/L	<5				
Benzidine, ug/L	<100				
Benzo(a)anthracene, ug/L	<5				
Benzo(a)pyrene, ug/L	<5				
Benzo(b)fluoranthene, ug/L	<5				
Benzo(g,h,i)perylene, ug/L	<5				
Benzo(k)fluoranthene, ug/L	<5				
Benzyl Alcohol, ug/L	<10				
Benzoic acid, ug/L	<50				
Butylbenzylphthalate, ug/L	<5				
Chrysene, ug/L	<5				
Di-n-octylphthalate, ug/L	<5				
Dibenzo(a,h)anthracene, ug/L	<5				
Dibenzofuran, ug/L	<5				
Dibutylphthalate, ug/L	<10				
Diethylphthalate, ug/L	<10				
Dimethylphthalate, ug/L	<5				
Fluoranthene, ug/L	<5				
Fluorene, ug/L	<5				

LOG NO: G98-01-466

Received: 26 JAN 98
Mailed : 17 MAR 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-466-6	WDI-GMW05-05	26 JAN 98

PARAMETER	01-466-6
Hexachlorobenzene, ug/L	<5
Hexachlorobutadiene, ug/L	<5
Hexachlorocyclopentadiene, ug/L	<10
Hexachloroethane, ug/L	<5
Indeno(1,2,3-c,d)pyrene, ug/L	<5
Isophorone, ug/L	<5
N-Nitrosodimethylamine, ug/L	<5
N-Nitrosodiphenylamine, ug/L	<5
N-Nitrosodi-n-propylamine, ug/L	<5
Nitrobenzene, ug/L	<5
Naphthalene, ug/L	<5
Phenanthrene, ug/L	<5
Phenol, ug/L	<5
Pentachlorophenol, ug/L	<10
Pyrene, ug/L	<5
Pyridine, ug/L	<10
Bis(2-chloroethoxy)methane, ug/L	<5
Bis(2-chloroethyl)ether, ug/L	<5
Bis(2-chloroisopropyl)ether, ug/L	<5
Bis(2-ethylhexyl)phthalate, ug/L	<10
Surrogates **	
2-Fluorobiphenyl Reported, ug/L	48.4
2-Fluorobiphenyl Theo., ug/L	50.0
2-Fluorophenol Reported, ug/L	46.1
2-Fluorophenol Theoretical, ug/L	75.0
2,4,6-Tribromophenol Rep., ug/L	81.7
2,4,6-Tribromophenol Theo., ug/L	75.0

LOG NO: G98-01-466

Received: 26 JAN 98
Mailed : 17 MAR 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-466-6	WDI-GMW05-05	26 JAN 98

PARAMETER	01-466-6
Nitrobenzene-d5 Reported, ug/L	44.6
Nitrobenzene-d5 Theoretical, ug/L	50.0
Phenol-d5 Reported, ug/L	36.3
Phenol-d5 Theoretical, ug/L	75.0
Terphenyl-d14 Reported, ug/L	42.0
Terphenyl-d14 Theoretical, ug/L	50.0

LOG NO: G98-01-466

Received: 26 JAN 98
Mailed : 17 MAR 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-466-6	WDI-GMW05-05	26 JAN 98

PARAMETER	01-466-6
Volatile Organics (8260A)	
Date Analyzed	02/08/98
Dilution Factor, Times	1
1,1,1-Trichloroethane, ug/L	<0.5
1,1,2,2-Tetrachloroethane, ug/L	<0.5
1,1,2-Trichloroethane, ug/L	<0.5
1,1-Dichloroethane, ug/L	<0.5
1,1-Dichloroethene, ug/L	<0.5
1,2-Dibromoethane, ug/L	<0.5
1,2-Dichloroethane, ug/L	<0.5
1,2-Dichloropropane, ug/L	<0.5
2-Chloroethylvinylether, ug/L	<4
2-Hexanone, ug/L	<5
Acetone, ug/L	<10
Bromodichloromethane, ug/L	<0.5
Bromomethane, ug/L	<0.5
Benzene, ug/L	<0.5
Bromoform, ug/L	<0.5
Carbon Tetrachloride, ug/L	<0.5
Chloroethane, ug/L	<0.5
Chloroform, ug/L	<0.5
Chloromethane, ug/L	<1
Carbon Disulfide, ug/L	<2
Dibromochloromethane, ug/L	<0.5
Methyl ethyl ketone, ug/L	<10
Methyl isobutyl ketone, ug/L	<4
Methylene chloride, ug/L	<2

LOG NO: G98-01-466

Received: 26 JAN 98
Mailed : 17 MAR 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-466-6	WDI-GMW05-05	26 JAN 98

PARAMETER	01-466-6
Trichloroethene, ug/L	<0.5
Tetrachloroethene, ug/L	<0.5
Vinyl acetate, ug/L	<5
Vinyl chloride, ug/L	<0.5
cis-1,2-Dichloroethene, ug/L	<0.5
cis-1,3-Dichloropropene, ug/L	<0.5
trans-1,2-Dichloroethene, ug/L	<0.5
trans-1,3-Dichloropropene, ug/L	<0.5
Surrogates **	
4-Bromofluorobenzene Rep., ug/L	48.5
4-Bromofluorobenzene Theo., ug/L	50.0
Toluene-d8 Reported, ug/L	49.0
Toluene-d8 Theo., ug/L	50.0
Dibromofluoromethane Rep., ug/L	50.1
Dibromofluoromethane Theo., ug/L	50.0

LOG NO: G98-01-466

Received: 26 JAN 98
Mailed : 17 MAR 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-466-7	WDI-MWFB05	26 JAN 98
01-466-8	WDI-MWFR05	26 JAN 98

PARAMETER	01-466-7	01-466-8
Digestion (3005), Date	02/05/98	02/05/98
Furnace Digestion (3020), Date	02/05/98	02/05/98
Arsenic (7060), mg/L	<0.002	<0.002
Antimony (6010), mg/L	<0.1	<0.1
Barium (6010), mg/L	0.095	<0.005
Beryllium (6010), mg/L	<0.001	<0.001
Cadmium (7131), mg/L	<0.001	<0.001
Chromium (6010), mg/L	<0.01	<0.01
Cobalt (6010), mg/L	<0.04	<0.04
Copper (6010), mg/L	<0.02	<0.02
Lead (7421), mg/L	<0.002	<0.002
Mercury (7470), mg/L	<0.0002	<0.0002
Molybdenum (6010), mg/L	<0.02	<0.02
Nickel (6010), mg/L	<0.04	<0.04
Selenium (7740), mg/L	<0.004	<0.004
Silver (6010), mg/L	<0.01	<0.01
Thallium (6010), mg/L	<0.07	<0.07
Vanadium (6010), mg/L	<0.04	<0.04
Zinc (6010), mg/L	<0.01	<0.01
Aluminum (6010), mg/L	0.10	<0.1
Calcium (6010), mg/L	98	0.90
Iron (6010), mg/L	0.091	0.052

LOG NO: G98-01-466

Received: 26 JAN 98
Mailed : 17 MAR 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-466-7	WDI-MWFB05	26 JAN 98
01-466-8	WDI-MWFR05	26 JAN 98

PARAMETER	01-466-7	01-466-8
B/N,A Ext.Pri.Poll. (8270)		
Date Analyzed	02/23/98	02/11/98
Date Extracted	01/30/98	01/30/98
Dilution Factor, Times	1	1
1,2,4-Trichlorobenzene, ug/L	<5	<5
1,2-Dichlorobenzene, ug/L	<5	<5
1,2-Diphenylhydrazine, ug/L	<5	<5
1,3-Dichlorobenzene, ug/L	<5	<5
1,4-Dichlorobenzene, ug/L	<5	<5
2,4,5-Trichlorophenol, ug/L	<5	<5
2,4,6-Trichlorophenol, ug/L	<5	<5
2,4-Dichlorophenol, ug/L	<5	<5
2,4-Dimethylphenol, ug/L	<5	<5
2,4-Dinitrophenol, ug/L	<10	<10
2,4-Dinitrotoluene, ug/L	<5	<5
2,6-Dinitrotoluene, ug/L	<5	<5
2-Chloronaphthalene, ug/L	<5	<5
2-Chlorophenol, ug/L	<5	<5
2-Methyl-4,6-dinitrophenol, ug/L	<10	<10
2-Methylnaphthalene, ug/L	<5	<5
2-Methylphenol (o-Cresol), ug/L	<5	<5
2-Nitroaniline, ug/L	<5	<5
2-Nitrophenol, ug/L	<5	<5
3,3'-Dichlorobenzidine, ug/L	<10	<10
3-Nitroaniline, ug/L	<5	<5
4-Bromophenylphenylether, ug/L	<5	<5

LOG NO: G98-01-466

Received: 26 JAN 98
Mailed : 17 MAR 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-466-7	WDI-MWFB05	26 JAN 98
01-466-8	WDI-MWFR05	26 JAN 98

PARAMETER	01-466-7	01-466-8
4-Chloro-3-methylphenol, ug/L	<5	<5
4-Chloroaniline, ug/L	<5	<5
4-Chlorophenylphenylether, ug/L	<5	<5
4-Methylphenol (p-Cresol), ug/L	<10	<10
4-Nitroaniline, ug/L	<5	<5
4-Nitrophenol, ug/L	<10	<10
Acenaphthene, ug/L	<5	<5
Acenaphthylene, ug/L	<5	<5
Aniline, ug/L	<5	<5
Anthracene, ug/L	<5	<5
Benzidine, ug/L	<100	<100
Benzo(a)anthracene, ug/L	<5	<5
Benzo(a)pyrene, ug/L	<5	<5
Benzo(b)fluoranthene, ug/L	<5	<5
Benzo(g,h,i)perylene, ug/L	<5	<5
Benzo(k)fluoranthene, ug/L	<5	<5
Benzyl Alcohol, ug/L	<10	<10
Benzoic acid, ug/L	<50	<50
Butylbenzylphthalate, ug/L	<5	<5
Chrysene, ug/L	<5	<5
Di-n-octylphthalate, ug/L	<5	<5
Dibenzo(a,h)anthracene, ug/L	<5	<5
Dibenzofuran, ug/L	<5	<5
Dibutylphthalate, ug/L	<10	<10
Diethylphthalate, ug/L	<10	<10
Dimethylphthalate, ug/L	<5	<5

LOG NO: G98-01-466

Received: 26 JAN 98
Mailed : 17 MAR 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-466-7	WDI-MWFB05	26 JAN 98
01-466-8	WDI-MWFR05	26 JAN 98

PARAMETER	01-466-7	01-466-8
Fluoranthene, ug/L	<5	<5
Fluorene, ug/L	<5	<5
Hexachlorobenzene, ug/L	<5	<5
Hexachlorobutadiene, ug/L	<5	<5
Hexachlorocyclopentadiene, ug/L	<10	<10
Hexachloroethane, ug/L	<5	<5
Indeno(1,2,3-c,d)pyrene, ug/L	<5	<5
Isophorone, ug/L	<5	<5
N-Nitrosodimethylamine, ug/L	<5	<5
N-Nitrosodiphenylamine, ug/L	<5	<5
N-Nitrosodi-n-propylamine, ug/L	<5	<5
Nitrobenzene, ug/L	<5	<5
Naphthalene, ug/L	<5	<5
Phenanthrene, ug/L	<5	<5
Phenol, ug/L	<5	<5
Pentachlorophenol, ug/L	<10	<10
Pyrene, ug/L	<5	<5
Pyridine, ug/L	<10	<10
Bis(2-chloroethoxy)methane, ug/L	<5	<5
Bis(2-chloroethyl)ether, ug/L	<5	<5
Bis(2-chloroisopropyl)ether, ug/L	<5	<5
Bis(2-ethylhexyl)phthalate, ug/L	<10	<10
Surrogates **		
2-Fluorobiphenyl Reported, ug/L	40.8	38.7
2-Fluorobiphenyl Theo., ug/L	50.0	50.0
2-Fluorophenol Reported, ug/L	45.6	37.4

LOG NO: G98-01-466

Received: 26 JAN 98
Mailed : 17 MAR 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-466-7	WDI-MWFB05	26 JAN 98
01-466-8	WDI-MWFR05	26 JAN 98

PARAMETER	01-466-7	01-466-8			
2-Fluorophenol Theoretical, ug/L	75.0	75.0			
2,4,6-Tribromophenol Rep., ug/L	64.3	59.9			
2,4,6-Tribromophenol Theo., ug/L	75.0	75.0			
Nitrobenzene-d5 Reported, ug/L	39.8	36.5			
Nitrobenzene-d5 Theoretical, ug/L	50.0	50.0			
Phenol-d5 Reported, ug/L	36.1	23.9			
Phenol-d5 Theoretical, ug/L	50.0	75.0			
Terphenyl-d14 Reported, ug/L	41.0	35.2			
Terphenyl-d14 Theoretical, ug/L	50.0	50.0			

LOG NO: G98-01-466

Received: 26 JAN 98
Mailed : 17 MAR 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-466-7	WDI-MWFB05	26 JAN 98
01-466-8	WDI-MWFR05	26 JAN 98

PARAMETER	01-466-7	01-466-8			
Volatile Organics (8260A)					
Date Analyzed	02/08/98	02/08/98			
Dilution Factor, Times	1	1			
1,1,1-Trichloroethane, ug/L	<0.5	<0.5			
1,1,2,2-Tetrachloroethane, ug/L	<0.5	<0.5			
1,1,2-Trichloroethane, ug/L	<0.5	<0.5			
1,1-Dichloroethane, ug/L	<0.5	<0.5			
1,1-Dichloroethene, ug/L	<0.5	<0.5			
1,2-Dibromoethane, ug/L	<0.5	<0.5			
1,2-Dichloroethane, ug/L	<0.5	<0.5			
1,2-Dichloropropane, ug/L	<0.5	<0.5			
2-Chloroethylvinylether, ug/L	<4	<4			
2-Hexanone, ug/L	<5	<5			
Acetone, ug/L	<10	<10			
Bromodichloromethane, ug/L	2.8	<0.5			
Bromomethane, ug/L	<0.5	<0.5			
Benzene, ug/L	<0.5	<0.5			
Bromoform, ug/L	11	<0.5			
Carbon Tetrachloride, ug/L	<0.5	<0.5			
Chloroethane, ug/L	<0.5	<0.5			
Chloroform, ug/L	1.6	<0.5			
Chloromethane, ug/L	<1	<1			
Carbon Disulfide, ug/L	<2	<2			
Dibromochloromethane, ug/L	4.9	<0.5			
Methyl ethyl ketone, ug/L	<10	<10			
Methyl isobutyl ketone, ug/L	<4	<4			

LOG NO: G98-01-466

Received: 26 JAN 98
Mailed : 17 MAR 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-466-7	WDI-MWFB05	26 JAN 98
01-466-8	WDI-MWFR05	26 JAN 98

PARAMETER	01-466-7	01-466-8
Methylene chloride, ug/L	<2	<2
Trichloroethene, ug/L	<0.5	<0.5
Tetrachloroethene, ug/L	<0.5	<0.5
Vinyl acetate, ug/L	<5	<5
Vinyl chloride, ug/L	<0.5	<0.5
cis-1,2-Dichloroethene, ug/L	<0.5	<0.5
cis-1,3-Dichloropropene, ug/L	<0.5	<0.5
trans-1,2-Dichloroethene, ug/L	<0.5	<0.5
trans-1,3-Dichloropropene, ug/L	<0.5	<0.5
Surrogates **		
4-Bromofluorobenzene Rep., ug/L	47.8	47.9
4-Bromofluorobenzene Theo., ug/L	50.0	50.0
Toluene-d8 Reported, ug/L	48.6	49.1
Toluene-d8 Theo., ug/L	50.0	50.0
Dibromofluoromethane Rep., ug/L	50.1	49.6
Dibromofluoromethane Theo., ug/L	50.0	50.0

LOG NO: G98-01-466

Received: 26 JAN 98
Mailed : 17 MAR 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-466-9	WDI-MWTB19	26 JAN 98

PARAMETER	01-466-9
Volatile Organics (8260A)	
Date Analyzed	02/09/98
Dilution Factor, Times	1
1,1,1-Trichloroethane, ug/L	<0.5
1,1,2,2-Tetrachloroethane, ug/L	<0.5
1,1,2-Trichloroethane, ug/L	<0.5
1,1-Dichloroethane, ug/L	<0.5
1,1-Dichloroethene, ug/L	<0.5
1,2-Dibromoethane, ug/L	<0.5
1,2-Dichloroethane, ug/L	<0.5
1,2-Dichloropropane, ug/L	<0.5
2-Chloroethylvinylether, ug/L	<4
2-Hexanone, ug/L	<5
Acetone, ug/L	<10
Bromodichloromethane, ug/L	<0.5
Bromomethane, ug/L	<0.5
Benzene, ug/L	<0.5
Bromoform, ug/L	<0.5
Carbon Tetrachloride, ug/L	<0.5
Chloroethane, ug/L	<0.5
Chloroform, ug/L	<0.5
Chloromethane, ug/L	<1
Carbon Disulfide, ug/L	<2
Dibromochloromethane, ug/L	<0.5
Methyl ethyl ketone, ug/L	<10
Methyl isobutyl ketone, ug/L	<4
Methylene chloride, ug/L	<2

LOG NO: G98-01-466

Received: 26 JAN 98
Mailed : 17 MAR 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-466-9	WDI-MWTB19	26 JAN 98

PARAMETER	01-466-9
Trichloroethene, ug/L	<0.5
Tetrachloroethene, ug/L	<0.5
Vinyl acetate, ug/L	<5
Vinyl chloride, ug/L	<0.5
cis-1,2-Dichloroethene, ug/L	<0.5
cis-1,3-Dichloropropene, ug/L	<0.5
trans-1,2-Dichloroethene, ug/L	<0.5
trans-1,3-Dichloropropene, ug/L	<0.5
Surrogates **	
4-Bromofluorobenzene Rep., ug/L	47.3
4-Bromofluorobenzene Theo., ug/L	50.0
Toluene-d8 Reported, ug/L	49.3
Toluene-d8 Theo., ug/L	50.0
Dibromofluoromethane Rep., ug/L	49.4
Dibromofluoromethane Theo., ug/L	50.0

LOG NO: G98-01-466

Received: 26 JAN 98
Mailed : 17 MAR 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-466-10	WDI-GMW19-05 Unfilter	26 JAN 98
01-466-11	WDI-GMW18-05 Unfilter	26 JAN 98
01-466-12	WDI-GMW06-05 Unfilter	26 JAN 98
01-466-13	WDI-GMW07-05 Unfilter	26 JAN 98
01-466-14	WDI-MWFD07-05 Unfilter	26 JAN 98

PARAMETER	01-466-10	01-466-11	01-466-12	01-466-13	01-466-14
Digestion (3005), Date	02/05/98	02/05/98	02/05/98	02/05/98	02/05/98
Furnace Digestion (3020), Date	02/05/98	02/05/98	02/05/98	02/05/98	02/05/98
Arsenic (7060), mg/L	<0.002	<0.002	<0.002	<0.002	<0.002
Antimony (6010), mg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Barium (6010), mg/L	0.020	0.021	0.024	0.028	0.026
Beryllium (6010), mg/L	<0.001	<0.001	<0.001	<0.001	<0.001
Cadmium (7131), mg/L	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium (6010), mg/L	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (6010), mg/L	<0.04	<0.04	<0.04	<0.04	<0.04
Copper (6010), mg/L	<0.02	<0.02	<0.02	<0.02	<0.02
Lead (7421), mg/L	<0.002	<0.002	<0.002	<0.002	<0.002
Mercury (7470), mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (6010), mg/L	<0.02	<0.02	<0.02	<0.02	<0.02
Nickel (6010), mg/L	<0.04	<0.04	<0.04	<0.04	<0.04
Selenium (7740), mg/L	0.013	0.028	0.016	0.020	0.022
Silver (6010), mg/L	0.011	<0.01	<0.01	<0.01	<0.01
Thallium (6010), mg/L	<0.07	<0.07	<0.07	<0.07	<0.07
Vanadium (6010), mg/L	<0.04	<0.04	<0.04	<0.04	<0.04
Zinc (6010), mg/L	<0.01	<0.01	<0.01	<0.01	<0.01
Aluminum (6010), mg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium (6010), mg/L	240	250	230	220	230
Iron (6010), mg/L	0.092	0.051	0.15	0.25	0.23

LOG NO: G98-01-466

Received: 26 JAN 98
Mailed : 17 MAR 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-466-15	WDI-GMW05-05 Unfilter	26 JAN 98

PARAMETER	01-466-15
Digestion (3005), Date	02/05/98
Furnace Digestion (3020), Date	02/05/98
Arsenic (7060), mg/L	0.012
Antimony (6010), mg/L	<0.1
Barium (6010), mg/L	0.034
Beryllium (6010), mg/L	<0.001
Cadmium (7131), mg/L	<0.001
Chromium (6010), mg/L	<0.01
Cobalt (6010), mg/L	<0.04
Copper (6010), mg/L	<0.02
Lead (7421), mg/L	<0.002
Mercury (7470), mg/L	<0.0002
Molybdenum (6010), mg/L	<0.02
Nickel (6010), mg/L	<0.04
Selenium (7740), mg/L	0.0097
Silver (6010), mg/L	<0.01
Thallium (6010), mg/L	<0.07
Vanadium (6010), mg/L	<0.04
Zinc (6010), mg/L	<0.01
Aluminum (6010), mg/L	<0.1
Calcium (6010), mg/L	310
Iron (6010), mg/L	0.73

LOG NO: G98-01-466

Received: 26 JAN 98
Mailed : 17 MAR 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

Fred Haley, Laboratory Director

The analytical results within this report relate only to the specific compounds and samples investigated and may not necessarily reflect other apparently similar material from the same or a similar location.

This report shall not be reproduced, except in full, without the written approval of VOC. No use of this report for promotional or advertising purposes is permitted without prior written VOC approval.

: ORDER PLACED FOR CLIENT: Environmental Solutions, Inc. 9801466 :
: VOC ANALYTICAL : GLEN LAB : 07:14:18 17 MAR 1998 - P. 1 :

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
9801466*1	WDI-GMW19-05	DIG,AQ.HCL	02.05.98	3005		98392	7620
		DIG,AQ,GFA	02.05.98	3020		98393	7620
		AS,GFA	02.07.98	7060	534-04	98393	1003
		SB	02.07.98	6010	535-02	98392	1002
		BA	02.07.98	6010	535-02	98392	1002
		BE	02.07.98	6010	535-02	98392	1002
		CD,GFA	02.08.98	7131	534-04	98393	1003
		CR	02.07.98	6010	535-02	98392	1002
		CO	02.07.98	6010	535-02	98392	1002
		CU	02.07.98	6010	535-02	98392	1002
		PB,GFA	02.09.98	7421	534-07	98393	1003
		HG	02.07.98	7470	534-06	98377	1003
		MO	02.07.98	6010	535-02	98392	1002
		NI	02.07.98	6010	535-02	98392	1002
		SE,GFA	02.07.98	7740	534-04	98393	1003
		AG	02.07.98	6010	535-02	98392	1002
		TL	02.07.98	6010	535-02	98392	1002
		V	02.07.98	6010	535-02	98392	1002
		ZN	02.07.98	6010	535-02	98392	1002
		AL	02.07.98	6010	535-02	98392	1002
		CA	02.07.98	6010	535-02	98392	1002
		FE	02.07.98	6010	535-02	98392	1002
		BNA.8270.HSL	02.23.98	8270	537-14	9818	1009
		VOA,8260.WDI	02.08.98	8260A	537-06	986029	1020
9801466*2	WDI-GMW18-05	DIG,AQ.HCL	02.05.98	3005		98392	7620
		DIG,AQ,GFA	02.05.98	3020		98393	7620
		AS,GFA	02.07.98	7060	534-04	98393	1003
		SB	02.07.98	6010	535-02	98392	1002
		BA	02.07.98	6010	535-02	98392	1002
		BE	02.07.98	6010	535-02	98392	1002
		CD,GFA	02.08.98	7131	534-04	98393	1003
		CR	02.07.98	6010	535-02	98392	1002
		CO	02.07.98	6010	535-02	98392	1002
		CU	02.07.98	6010	535-02	98392	1002
		PB,GFA	02.09.98	7421	534-07	98393	1003
		HG	02.07.98	7470	534-06	98377	1003
		MO	02.07.98	6010	535-02	98392	1002
		NI	02.07.98	6010	535-02	98392	1002
		SE,GFA	02.07.98	7740	534-04	98393	1003
		AG	02.07.98	6010	535-02	98392	1002
		TL	02.07.98	6010	535-02	98392	1002
		V	02.07.98	6010	535-02	98392	1002
		ZN	02.07.98	6010	535-02	98392	1002
		AL	02.07.98	6010	535-02	98392	1002

Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.

ID.NO = VOC Analytical employee identification number of analyst.

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
		CA	02.07.98	6010	535-02	98392	1002
		FE	02.07.98	6010	535-02	98392	1002
		BNA.8270.HSL	02.23.98	8270	537-14	9818	1009
		VOA,8260.WDI	02.08.98	8260A	537-06	986029	1020
9801466*3	WDI-GMW06-05	DIG,AQ.HCL	02.05.98	3005		98392	7620
		DIG,AQ,GFA	02.05.98	3020		98393	7620
		AS,GFA	02.07.98	7060	534-04	98393	1003
		SB	02.07.98	6010	535-02	98392	1002
		BA	02.07.98	6010	535-02	98392	1002
		BE	02.07.98	6010	535-02	98392	1002
		CD,GFA	02.08.98	7131	534-04	98393	1003
		CR	02.07.98	6010	535-02	98392	1002
		CO	02.07.98	6010	535-02	98392	1002
		CU	02.07.98	6010	535-02	98392	1002
		PB,GFA	02.09.98	7421	534-07	98393	1003
		HG	02.07.98	7470	534-06	98377	1003
		MO	02.07.98	6010	535-02	98392	1002
		NI	02.07.98	6010	535-02	98392	1002
		SE,GFA	02.07.98	7740	534-04	98393	1003
		AG	02.07.98	6010	535-02	98392	1002
		TL	02.07.98	6010	535-02	98392	1002
		V	02.07.98	6010	535-02	98392	1002
		ZN	02.07.98	6010	535-02	98392	1002
		AL	02.07.98	6010	535-02	98392	1002
		CA	02.07.98	6010	535-02	98392	1002
		FE	02.07.98	6010	535-02	98392	1002
		BNA.8270.HSL	02.23.98	8270	537-14	9818	1009
		VOA,8260.WDI	02.08.98	8260A	537-06	986029	1020
9801466*4	WDI-GMW07-05	DIG,AQ.HCL	02.05.98	3005		98392	7620
		DIG,AQ,GFA	02.05.98	3020		98393	7620
		AS,GFA	02.07.98	7060	534-04	98393	1003
		SB	02.07.98	6010	535-02	98392	1002
		BA	02.07.98	6010	535-02	98392	1002
		BE	02.07.98	6010	535-02	98392	1002
		CD,GFA	02.08.98	7131	534-04	98393	1003
		CR	02.09.98	6010	535-02	98392	1002
		CO	02.07.98	6010	535-02	98392	1002
		CU	02.07.98	6010	535-02	98392	1002
		PB,GFA	02.09.98	7421	534-07	98393	1003
		HG	02.07.98	7470	534-06	98377	1003
		MO	02.07.98	6010	535-02	98392	1002
		NI	02.07.98	6010	535-02	98392	1002
		SE,GFA	02.07.98	7740	534-04	98393	1003
		AG	02.07.98	6010	535-02	98392	1002

Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.

ID.NO = VOC Analytical employee identification number of analyst.

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
		TL	02.07.98	6010	535-02	98392	1002
		V	02.07.98	6010	535-02	98392	1002
		ZN	02.07.98	6010	535-02	98392	1002
		AL	02.07.98	6010	535-02	98392	1002
		CA	02.07.98	6010	535-02	98392	1002
		FE	02.07.98	6010	535-02	98392	1002
		BNA.8270.HSL	02.24.98	8270	537-14	9818	1009
		VOA,8260.WDI	02.08.98	8260A	537-06	986029	1020
9801466*5	WDI-MWFD07-05	DIG,AQ.HCL	02.05.98	3005		98392	7620
		DIG,AQ,GFA	02.05.98	3020		98393	7620
		AS,GFA	02.07.98	7060	534-04	98393	1003
		SB	02.07.98	6010	535-02	98392	1002
		BA	02.07.98	6010	535-02	98392	1002
		BE	02.07.98	6010	535-02	98392	1002
		CD,GFA	02.08.98	7131	534-04	98393	1003
		CR	02.07.98	6010	535-02	98392	1002
		CO	02.07.98	6010	535-02	98392	1002
		CU	02.07.98	6010	535-02	98392	1002
		PB,GFA	02.09.98	7421	534-07	98393	1003
		HG	02.07.98	7470	534-06	98377	1003
		MO	02.07.98	6010	535-02	98392	1002
		NI	02.07.98	6010	535-02	98392	1002
		SE,GFA	02.07.98	7740	534-04	98393	1003
		AG	02.07.98	6010	535-02	98392	1002
		TL	02.07.98	6010	535-02	98392	1002
		V	02.07.98	6010	535-02	98392	1002
		ZN	02.07.98	6010	535-02	98392	1002
		AL	02.07.98	6010	535-02	98392	1002
		CA	02.07.98	6010	535-02	98392	1002
		FE	02.07.98	6010	535-02	98392	1002
		BNA.8270.HSL	02.11.98	8270	537-14	9818	1009
		VOA,8260.WDI	02.08.98	8260A	537-06	986029	1020
9801466*6	WDI-GMW05-05	DIG,AQ.HCL	02.05.98	3005		98392	7620
		DIG,AQ,GFA	02.05.98	3020		98393	7620
		AS,GFA	02.07.98	7060	534-04	98393	1003
		SB	02.07.98	6010	535-02	98392	1002
		BA	02.07.98	6010	535-02	98392	1002
		BE	02.07.98	6010	535-02	98392	1002
		CD,GFA	02.08.98	7131	534-04	98393	1003
		CR	02.07.98	6010	535-02	98392	1002
		CO	02.07.98	6010	535-02	98392	1002
		CU	02.07.98	6010	535-02	98392	1002
		PB,GFA	02.09.98	7421	534-07	98393	1003
		HG	02.07.98	7470	534-06	98377	1003

Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.

ID.NO = VOC Analytical employee identification number of analyst.

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
		MO	02.07.98	6010	535-02	98392	1002
		NI	02.07.98	6010	535-02	98392	1002
		SE,GFA	02.07.98	7740	534-04	98393	1003
		AG	02.07.98	6010	535-02	98392	1002
		TL	02.07.98	6010	535-02	98392	1002
		V	02.07.98	6010	535-02	98392	1002
		ZN	02.07.98	6010	535-02	98392	1002
		AL	02.07.98	6010	535-02	98392	1002
		CA	02.07.98	6010	535-02	98392	1002
		FE	02.07.98	6010	535-02	98392	1002
		BNA.8270.HSL	02.11.98	8270	537-14	9818	1009
		VOA,8260.WDI	02.08.98	8260A	537-06	986029	1020
9801466*7	WDI-MWFB05	DIG,AQ.HCL	02.05.98	3005		98392	7620
		DIG,AQ,GFA	02.05.98	3020		98393	7620
		AS,GFA	02.07.98	7060	534-04	98393	1003
		SB	02.07.98	6010	535-02	98392	1002
		BA	02.07.98	6010	535-02	98392	1002
		BE	02.07.98	6010	535-02	98392	1002
		CD,GFA	02.08.98	7131	534-04	98393	1003
		CR	02.07.98	6010	535-02	98392	1002
		CO	02.07.98	6010	535-02	98392	1002
		CU	02.07.98	6010	535-02	98392	1002
		PB,GFA	02.09.98	7421	534-07	98393	1003
		HG	02.07.98	7470	534-06	98377	1003
		MO	02.07.98	6010	535-02	98392	1002
		NI	02.07.98	6010	535-02	98392	1002
		SE,GFA	02.07.98	7740	534-04	98393	1003
		AG	02.07.98	6010	535-02	98392	1002
		TL	02.07.98	6010	535-02	98392	1002
		V	02.07.98	6010	535-02	98392	1002
		ZN	02.07.98	6010	535-02	98392	1002
		AL	02.07.98	6010	535-02	98392	1002
		CA	02.07.98	6010	535-02	98392	1002
		FE	02.07.98	6010	535-02	98392	1002
		BNA.8270.HSL	02.23.98	8270	537-11	9818	1009
		VOA,8260.WDI	02.08.98	8260A	537-06	986029	1020
9801466*8	WDI-MWFR05	DIG,AQ.HCL	02.05.98	3005		98392	7620
		DIG,AQ,GFA	02.05.98	3020		98393	7620
		AS,GFA	02.07.98	7060	534-04	98393	1003
		SB	02.07.98	6010	535-02	98392	1002
		BA	02.07.98	6010	535-02	98392	1002
		BE	02.07.98	6010	535-02	98392	1002
		CD,GFA	02.08.98	7131	534-04	98393	1003
		CR	02.07.98	6010	535-02	98392	1002

Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.

ID.NO = VOC Analytical employee identification number of analyst.

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
		CO	02.07.98	6010	535-02	98392	1002
		CU	02.07.98	6010	535-02	98392	1002
		PB,GFA	02.09.98	7421	534-07	98393	1003
		HG	02.07.98	7470	534-06	98377	1003
		MO	02.07.98	6010	535-02	98392	1002
		NI	02.07.98	6010	535-02	98392	1002
		SE,GFA	02.07.98	7740	534-04	98393	1003
		AG	02.07.98	6010	535-02	98392	1002
		TL	02.07.98	6010	535-02	98392	1002
		V	02.07.98	6010	535-02	98392	1002
		ZN	02.07.98	6010	535-02	98392	1002
		AL	02.07.98	6010	535-02	98392	1002
		CA	02.07.98	6010	535-02	98392	1002
		FE	02.07.98	6010	535-02	98392	1002
		BNA.8270.HSL	02.11.98	8270	537-14	9818	1009
		VOA,8260.WDI	02.08.98	8260A	537-06	986029	1020
9801466*9	WDI-MWTB19	VOA,8260.WDI	02.09.98	8260A	537-06	986030	
9801466*10	WDI-GMW19-05 Unfilter	DIG,AQ.HCL	02.05.98	3005		98392	7620
		DIG,AQ,GFA	02.05.98	3020		98393	7620
		AS,GFA	02.07.98	7060	534-04	98393	1003
		SB	02.07.98	6010	535-02	98392	1002
		BA	02.07.98	6010	535-02	98392	1002
		BE	02.07.98	6010	535-02	98392	1002
		CD,GFA	02.08.98	7131	534-04	98393	1003
		CR	02.07.98	6010	535-02	98392	1002
		CO	02.07.98	6010	535-02	98392	1002
		CU	02.07.98	6010	535-02	98392	1002
		PB,GFA	02.09.98	7421	534-07	98393	1003
		HG	02.07.98	7470	534-06	98377	1003
		MO	02.07.98	6010	535-02	98392	1002
		NI	02.07.98	6010	535-02	98392	1002
		SE,GFA	02.07.98	7740	534-04	98393	1003
		AG	02.07.98	6010	535-02	98392	1002
		TL	02.07.98	6010	535-02	98392	1002
		V	02.07.98	6010	535-02	98392	1002
		ZN	02.07.98	6010	535-02	98392	1002
		AL	02.07.98	6010	535-02	98392	1002
		CA	02.07.98	6010	535-02	98392	1002
		FE	02.07.98	6010	535-02	98392	1002
9801466*11	WDI-GMW18-05 Unfilter	DIG,AQ.HCL	02.05.98	3005		98392	7620
		DIG,AQ,GFA	02.05.98	3020		98393	7620
		AS,GFA	02.07.98	7060	534-04	98393	1003

Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.

ID.NO = VOC Analytical employee identification number of analyst.

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
		SB	02.07.98	6010	535-02	98392	1002
		BA	02.07.98	6010	535-02	98392	1002
		BE	02.07.98	6010	535-02	98392	1002
		CD,GFA	02.08.98	7131	534-04	98393	1003
		CR	02.07.98	6010	535-02	98392	1002
		CO	02.07.98	6010	535-02	98392	1002
		CU	02.07.98	6010	535-02	98392	1002
		PB,GFA	02.09.98	7421	534-07	98393	1003
		HG	02.07.98	7470	534-06	98377	1003
		MO	02.07.98	6010	535-02	98392	1002
		NI	02.07.98	6010	535-02	98392	1002
		SE,GFA	02.07.98	7740	534-04	98393	1003
		AG	02.07.98	6010	535-02	98392	1002
		TL	02.07.98	6010	535-02	98392	1002
		V	02.07.98	6010	535-02	98392	1002
		ZN	02.07.98	6010	535-02	98392	1002
		AL	02.07.98	6010	535-02	98392	1002
		CA	02.07.98	6010	535-02	98392	1002
		FE	02.07.98	6010	535-02	98392	1002
9801466*12	WDI-GMW06-05 Unfilter	DIG,AQ.HCL	02.05.98	3005		98392	7620
		DIG,AQ,GFA	02.05.98	3020		98393	7620
		AS,GFA	02.07.98	7060	534-04	98393	1003
		SB	02.07.98	6010	535-02	98392	1002
		BA	02.07.98	6010	535-02	98392	1002
		BE	02.07.98	6010	535-02	98392	1002
		CD,GFA	02.08.98	7131	534-04	98393	1003
		CR	02.09.98	6010	535-02	98392	1002
		CO	02.07.98	6010	535-02	98392	1002
		CU	02.07.98	6010	535-02	98392	1002
		PB,GFA	02.09.98	7421	534-07	98393	1003
		HG	02.07.98	7470	534-06	98377	1003
		MO	02.07.98	6010	535-02	98392	1002
		NI	02.07.98	6010	535-02	98392	1002
		SE,GFA	02.07.98	7740	534-04	98393	1003
		AG	02.07.98	6010	535-02	98392	1002
		TL	02.07.98	6010	535-02	98392	1002
		V	02.07.98	6010	535-02	98392	1002
		ZN	02.07.98	6010	535-02	98392	1002
		AL	02.07.98	6010	535-02	98392	1002
		CA	02.07.98	6010	535-02	98392	1002
		FE	02.07.98	6010	535-02	98392	1002
9801466*13	WDI-GMW07-05 Unfilter	DIG,AQ.HCL	02.05.98	3005		98392	7620

Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.

ID.NO = VOC Analytical employee identification number of analyst.

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
		DIG,AQ,GFA	02.05.98	3020		98393	7620
		AS,GFA	02.07.98	7060	534-04	98393	1003
		SB	02.07.98	6010	535-02	98392	1002
		BA	02.07.98	6010	535-02	98392	1002
		BE	02.07.98	6010	535-02	98392	1002
		CD,GFA	02.08.98	7131	534-04	98393	1003
		CR	02.07.98	6010	535-02	98392	1002
		CO	02.07.98	6010	535-02	98392	1002
		CU	02.07.98	6010	535-02	98392	1002
		PB,GFA	02.09.98	7421	534-07	98393	1003
		HG	02.07.98	7470	534-06	98377	1003
		MO	02.07.98	6010	535-02	98392	1002
		NI	02.07.98	6010	535-02	98392	1002
		SE,GFA	02.07.98	7740	534-04	98393	1003
		AG	02.07.98	6010	535-02	98392	1002
		TL	02.07.98	6010	535-02	98392	1002
		V	02.07.98	6010	535-02	98392	1002
		ZN	02.07.98	6010	535-02	98392	1002
		AL	02.07.98	6010	535-02	98392	1002
		CA	02.07.98	6010	535-02	98392	1002
		FE	02.07.98	6010	535-02	98392	1002
9801466*14	WDI-MWFD07-05 Unfilter	DIG,AQ.HCL	02.05.98	3005		98392	7620
		DIG,AQ,GFA	02.05.98	3020		98393	7620
		AS,GFA	02.07.98	7060	534-04	98393	1003
		SB	02.07.98	6010	535-02	98392	1002
		BA	02.07.98	6010	535-02	98392	1002
		BE	02.07.98	6010	535-02	98392	1002
		CD,GFA	02.08.98	7131	534-04	98393	1003
		CR	02.07.98	6010	535-02	98392	1002
		CO	02.07.98	6010	535-02	98392	1002
		CU	02.07.98	6010	535-02	98392	1002
		PB,GFA	02.09.98	7421	534-07	98393	1003
		HG	02.07.98	7470	534-06	98377	1003
		MO	02.07.98	6010	535-02	98392	1002
		NI	02.07.98	6010	535-02	98392	1002
		SE,GFA	02.07.98	7740	534-04	98393	1003
		AG	02.07.98	6010	535-02	98392	1002
		TL	02.07.98	6010	535-02	98392	1002
		V	02.07.98	6010	535-02	98392	1002
		ZN	02.07.98	6010	535-02	98392	1002
		AL	02.07.98	6010	535-02	98392	1002
		CA	02.07.98	6010	535-02	98392	1002
		FE	02.07.98	6010	535-02	98392	1002

Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.

ID.NO = VOC Analytical employee identification number of analyst.

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
9801466*15	WDI-GMW05-05 Unfilter	DIG,AQ.HCL	02.05.98	3005		98392	7620
		DIG,AQ,GFA	02.05.98	3020		98393	7620
		AS,GFA	02.07.98	7060	534-04	98393	1003
		SB	02.07.98	6010	535-02	98392	1002
		BA	02.07.98	6010	535-02	98392	1002
		BE	02.07.98	6010	535-02	98392	1002
		CD,GFA	02.08.98	7131	534-04	98393	1003
		CR	02.09.98	6010	535-02	98392	1002
		CO	02.07.98	6010	535-02	98392	1002
		CU	02.07.98	6010	535-02	98392	1002
		PB,GFA	02.09.98	7421	534-07	98393	1003
		HG	02.07.98	7470	534-06	98377	1003
		MO	02.07.98	6010	535-02	98392	1002
		NI	02.07.98	6010	535-02	98392	1002
		SE,GFA	02.07.98	7740	534-04	98393	1003
		AG	02.07.98	6010	535-02	98392	1002
		TL	02.07.98	6010	535-02	98392	1002
		V	02.07.98	6010	535-02	98392	1002
		ZN	02.07.98	6010	535-02	98392	1002
		AL	02.07.98	6010	535-02	98392	1002
		CA	02.07.98	6010	535-02	98392	1002
		FE	02.07.98	6010	535-02	98392	1002

***

Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.

ID.NO = VOC Analytical employee identification number of analyst.

VOC ANALYTICAL, GLENDALE
QC REPORT FOR 9801466
DATE PRINTED: 17 MAR 1998

AQUEOUS SAMPLES		------ METHOD BLANK ------			---------- LAB CONTROL ----------								---------- MATRIX QC ----------								
					LCS		LCSD					RPD	RPD	MS		MSD				RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: HG*98377 Method: 7470 - Mercury (Liquid), Cold Vapor AA, Manual																						
Mercury	mg/L	0	0.0002	-	100	-	103	-	71	123	2	-	-	110	-	110	-	28	164	0	20	-
Batch: AG*98392 Method: 6010 - ICAP Metals																						
Silver	mg/L	0.001	0.01	-	101	-	98	-	80	120	3	-	-	79	Q	83	-	80	120	4	20	-
Aluminum	mg/L	0	0.1	-	97	-	90	-	80	120	7	-	-	95	-	97	-	80	120	2	20	-
Barium	mg/L	0.0012	0.005	-	96	-	95	-	80	120	1	-	-	96	-	98	-	80	120	2	20	-
Beryllium	mg/L	0.0002	0.001	-	98	-	97	-	80	120	1	-	-	95	-	97	-	80	120	2	20	-
Calcium	mg/L	0	0.5	-	102	-	100	-	80	120	2	-	-	-	NC	-	NC	80	120	-	20	NC
Cobalt	mg/L	0	0.04	-	98	-	97	-	80	120	1	-	-	94	-	95	-	80	120	1	20	-
Chromium	mg/L	0.005	0.01	-	98	-	96	-	80	120	2	-	-	96	-	98	-	80	120	2	20	-
Copper	mg/L	0	0.02	-	95	-	93	-	80	120	2	-	-	95	-	98	-	80	120	3	20	-
Iron	mg/L	0.005	0.04	-	106	-	100	-	80	120	6	-	-	101	-	103	-	80	120	2	20	-
Molybdenum	mg/L	0	0.02	-	98	-	97	-	80	120	1	-	-	95	-	97	-	80	120	2	20	-
Nickel	mg/L	0.011	0.04	-	102	-	100	-	80	120	2	-	-	99	-	100	-	80	120	0	20	-
Antimony	mg/L	0	0.1	-	99	-	99	-	80	120	0	-	-	97	-	99	-	80	120	1	20	-
Thallium	mg/L	0.019	0.07	-	99	-	97	-	80	120	3	-	-	95	-	96	-	80	120	1	20	-
Vanadium	mg/L	0	0.04	-	96	-	95	-	80	120	1	-	-	96	-	98	-	80	120	1	20	-
Zinc	mg/L	0	0.01	-	99	-	96	-	80	120	3	-	-	99	-	100	-	80	120	1	20	-
Batch: AS,GFA*98393 Method: 7060 - Arsenic, AA, Furnace																						
Arsenic	mg/L	0.0012	0.002	-	96	-	101	-	74	124	6	-	-	93	-	92	-	48	140	0	20	-
Batch: CD,GFA*98393 Method: 7131 - Cadmium, AA, Furnace																						
Cadmium	mg/L	0	0.001	-	92	-	93	-	78	125	1	-	-	94	-	98	-	63	155	5	20	-
Batch: PB,GFA*98393 Method: 7421 - Lead, AA, Furnace																						
Lead	mg/L	0	0.002	-	99	-	101	-	77	124	2	-	-	113	-	117	-	40	156	3	20	-
Batch: SE,GFA*98393 Method: 7740 - Selenium, AA, Furnace																						
Selenium	mg/L	0.0005	0.004	-	96	-	99	-	76	118	3	-	-	62	-	65	-	10	143	4	20	-

AQUEOUS SAMPLES	------ METHOD BLANK ------				---------- LAB CONTROL ----------									---------- MATRIX QC ----------								
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA,8260*986029 Method: 8260A - Volatile Organics, GCMS																						
1,1,1-Trichloroethane	ug/L	0	0.5	-	106	-	95	-	71	132	11	-	-	107	-	109	-	74	141	1	30	-
1,1,2,2-Tetrachloroethane	ug/L	0	0.5	-	91	-	88	-	50	134	3	-	-	93	-	96	-	60	116	3	30	-
1,1,2-Trichloroethane	ug/L	0	0.5	-	93	-	90	-	67	133	3	-	-	99	-	101	-	69	135	3	30	-
1,1-Dichloroethane	ug/L	0	0.5	-	93	-	85	-	49	135	9	-	-	92	-	93	-	57	124	2	30	-
1,1-Dichloroethene	ug/L	0	0.5	-	101	-	89	-	48	146	12	-	-	98	-	101	-	38	159	3	30	-
1,2-Dibromoethane	ug/L	0	0.5	-	93	-	94	-	56	142	1	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0	0.5	-	99	-	97	-	68	129	2	-	-	108	-	110	-	65	132	2	30	-
1,2-Dichloropropane	ug/L	0	0.5	-	89	-	85	-	68	127	5	-	-	90	-	93	-	62	126	3	30	-
2-Chloroethylvinylether	ug/L	0	4	-	54	-	60	-	1	214	10	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	ug/L	0	5	-	78	-	77	-	20	149	2	-	-	78	-	81	-	1	168	3	52	-
Acetone	ug/L	0	10	-	86	-	86	-	32	176	1	-	-	76	-	51	-	1	143	40	51	-
Bromodichloromethane	ug/L	0	0.5	-	100	-	97	-	69	132	3	-	-	106	-	109	-	77	132	3	30	-
Bromomethane	ug/L	0	0.5	-	115	-	106	-	55	146	9	-	-	111	-	112	-	60	127	1	30	-
Benzene	ug/L	0	0.5	-	94	-	88	-	72	124	7	-	-	96	-	98	-	77	119	2	30	-
Bromoform	ug/L	0	0.5	-	93	-	93	-	53	148	0	-	-	103	-	106	-	68	138	3	30	-
Carbon Tetrachloride	ug/L	0	0.5	-	104	-	94	-	70	140	10	-	-	109	-	113	-	78	151	3	30	-
Chloroethane	ug/L	0	0.5	-	100	-	90	-	52	137	11	-	-	97	-	98	-	44	134	2	30	-
Chloroform	ug/L	0	0.5	-	97	-	90	-	77	128	7	-	-	96	-	99	-	78	127	3	30	-
Chloromethane	ug/L	0	1	-	77	-	71	-	37	129	9	-	-	79	-	82	-	32	140	4	30	-
Carbon Disulfide	ug/L	0	2	-	100	-	89	-	37	140	12	-	-	98	-	99	-	-	-	1	-	-
Dibromochloromethane	ug/L	0	0.5	-	123	-	113	-	65	142	9	-	-	126	-	129	-	73	145	2	30	-
Methyl ethyl ketone	ug/L	0	10	-	91	-	90	-	5	153	0	-	-	88	-	92	-	1	137	5	50	-
Methyl isobutyl ketone	ug/L	0	4	-	80	-	83	-	16	150	4	-	-	95	-	95	-	7	113	0	49	-
Methylene chloride	ug/L	0	2	-	90	-	85	-	51	139	5	-	-	90	-	94	-	62	113	5	30	-
Trichloroethene	ug/L	0	0.5	-	101	-	92	-	71	135	9	-	-	94	-	94	-	60	136	0	30	-
Tetrachloroethene	ug/L	0	0.5	-	104	-	94	-	67	145	11	-	-	101	-	103	-	82	150	1	30	-
Vinyl acetate	ug/L	0	5	-	94	-	92	-	24	143	3	-	-	67	-	64	-	-	-	4	-	-
Vinyl chloride	ug/L	0	0.5	-	99	-	86	-	48	140	14	-	-	97	-	99	-	45	135	2	30	-
cis-1,2-Dichloroethene	ug/L	0	0.5	-	97	-	91	-	54	143	6	-	-	95	-	97	-	52	134	2	30	-
cis-1,3-Dichloropropene	ug/L	0	0.5	-	94	-	91	-	66	129	3	-	-	93	-	95	-	71	121	3	30	-
trans-1,2-Dichloroethene	ug/L	0	0.5	-	99	-	90	-	48	134	9	-	-	96	-	100	-	56	124	4	30	-
trans-1,3-Dichloropropene	ug/L	0	0.5	-	96	-	93	-	66	130	3	-	-	97	-	97	-	69	122	1	30	-
[4-Bromofluorobenzene]	Percent	96	-	-	99	-	97	-	75	125	-	-	-	97	-	97	-	75	125	-	-	-
[Toluene-d8]	Percent	97	-	-	101	-	99	-	80	120	-	-	-	98	-	96	-	80	120	-	-	-
[Dibromofluoromethane]	Percent	103	-	-	99	-	99	-	75	120	-	-	-	100	-	100	-	75	120	-	-	-

AQUEOUS SAMPLES	------ METHOD BLANK ------				---------- LAB CONTROL ----------								---------- MATRIX QC ----------									
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA,8260*986030 Method: 8260A - Volatile Organics, GCMS																						
1,1,1-Trichloroethane	ug/L	0	0.5	-	110	-	115	-	71	132	4	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	0.5	-	84	-	80	-	50	134	4	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	0.5	-	90	-	91	-	67	133	2	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	0.5	-	90	-	94	-	49	135	5	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	0.5	-	98	-	105	-	48	146	7	-	-	105	-	105	-	38	159	1	30	-
1,2-Dibromoethane	ug/L	0	0.5	-	89	-	90	-	56	142	1	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0	0.5	-	103	-	106	-	68	129	3	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	0.5	-	86	-	89	-	68	127	4	-	-	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	4	-	49	-	54	-	1	214	8	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	ug/L	0	5	-	68	-	66	-	20	149	2	-	-	-	-	-	-	-	-	-	-	-
Acetone	ug/L	0	10	-	78	-	77	-	32	176	1	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	ug/L	0	0.5	-	102	-	106	-	69	132	4	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	ug/L	0	0.5	-	107	-	113	-	55	146	5	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	0	0.5	-	94	-	99	-	72	124	5	-	-	99	-	97	-	77	119	2	30	-
Bromoform	ug/L	0	0.5	-	92	-	92	-	53	148	0	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	ug/L	0	0.5	-	110	-	120	-	70	140	8	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	ug/L	0	0.5	-	95	-	99	-	52	137	5	-	-	-	-	-	-	-	-	-	-	-
Chloroform	ug/L	0	0.5	-	96	-	99	-	77	128	4	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	ug/L	0	1	-	70	-	74	-	37	129	6	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	ug/L	0	2	-	94	-	99	-	37	140	5	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/L	0	0.5	-	128	-	136	-	65	142	5	-	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	ug/L	0	10	-	74	-	74	-	5	153	0	-	-	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	4	-	72	-	74	-	16	150	2	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/L	0	2	-	85	-	88	-	51	139	4	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ug/L	0	0.5	-	104	-	109	-	71	135	4	-	-	109	-	108	-	60	136	1	30	-
Tetrachloroethene	ug/L	0	0.5	-	108	-	113	-	67	145	5	-	-	-	-	-	-	-	-	-	-	-
Vinyl acetate	ug/L	0	5	-	67	-	72	-	24	143	7	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	0	0.5	-	81	-	87	-	48	140	7	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	0.5	-	91	-	95	-	54	143	5	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/L	0	0.5	-	88	-	91	-	66	129	3	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	0.5	-	96	-	101	-	48	134	4	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/L	0	0.5	-	89	-	92	-	66	130	2	-	-	-	-	-	-	-	-	-	-	-
[4-Bromofluorobenzene]	Percent	95	-	-	99	-	98	-	75	125	-	-	-	98	-	98	-	75	125	-	-	-
[Toluene-d8]	Percent	98	-	-	101	-	100	-	80	120	-	-	-	100	-	100	-	80	120	-	-	-
[Dibromofluoromethane]	Percent	98	-	-	96	-	97	-	75	120	-	-	-	96	-	97	-	75	120	-	-	-

AQUEOUS SAMPLES	METHOD BLANK				LAB CONTROL									MATRIX QC								
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: BNA*9818 Method: 8270 - GC/MS for Semivolatile Organics, Capillary column																						
1,2,4-Trichlorobenzene	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	71	-	75	-	44	120	5	39	-
1,2-Dichlorobenzene	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Diphenylhydrazine	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	69	-	73	-	39	110	6	34	-
2,4,5-Trichlorophenol	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	78	-	76	-	48	139	3	25	-
2,6-Dinitrotoluene	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chlorophenol	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	70	-	78	-	43	110	11	24	-
2-Methyl-4,6-dinitrophenol	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol (o-Cresol)	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Nitroaniline	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Nitrophenol	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenylphenylether	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	78	-	79	-	48	127	2	31	-
4-Chloroaniline	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Chlorophenylphenylether	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Methylphenol (p-Cresol)	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Nitroaniline	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	25	-	19	-	1	132	25	34	-
Acenaphthene	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	87	-	88	-	52	131	1	26	-
Acenaphthylene	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aniline	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzidine	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

AQUEOUS SAMPLES		METHOD BLANK			LAB CONTROL									MATRIX QC								
					LCS		LCSD					RPD	RPD	MS		MSD				RPD	RPD	
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: BNA*9818 Method: 8270 - GC/MS for Semivolatile Organics, Capillary column, con't																						
Benzo(k)fluoranthene	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzyl Alcohol	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzoic acid	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butylbenzylphthalate	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octylphthalate	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibutylphthalate	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethylphthalate	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dimethylphthalate	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-c,d)pyrene	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophorone	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodimethylamine	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	84	-	88	-	33	135	5	25	-
Nitrobenzene	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenol	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	43	-	42	-	5	110	3	30	-
Pentachlorophenol	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	64	-	69	-	15	181	7	39	-
Pyrene	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	101	-	98	-	45	162	2	34	-
Pyridine	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroethoxy)methane	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroethyl)ether	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroisopropyl)ether	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-ethylhexyl)phthalate	ug/L	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
[2-Fluorobiphenyl]	Percent	-	0	-	-	-	-	-	-	-	-	-	-	79	-	84	-	43	116	-	-	-
[2-Fluorophenol]	Percent	-	0	-	-	-	-	-	-	-	-	-	-	55	-	59	-	21	100	-	-	-
[2,4,6-Tribromophenol]	Percent	-	0	-	-	-	-	-	-	-	-	-	-	85	-	85	-	10	123	-	-	-
[Nitrobenzene-d5]	Percent	-	0	-	-	-	-	-	-	-	-	-	-	74	-	86	-	35	114	-	-	-
[Phenol-d5]	Percent	-	0	-	-	-	-	-	-	-	-	-	-	42	-	42	-	10	94	-	-	-

AQUEOUS SAMPLES		------ METHOD BLANK ------			---------- LAB CONTROL ----------								---------- MATRIX QC ----------							
					LCS		LCSD				RPD	RPD	MS		MSD				RPD	RPD	
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: BNA*9818 Method: 8270 - GC/MS for Semivolatile Organics, Capillary column, con't																						
[Terphenyl-d14]	Percent	-	0	-	-	-	-	-	-	-	-	-	-	76	-	76	-	33	141	-	-	-

AQUEOUS SAMPLES

Batch: HG*98377 Method: 7470 - Mercury (Liquid), Cold Vapor AA, Manual

		B8021171*1	C8022395*1	.....	C8022396*1	.....	9801466*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Mercury	mg/L	0	0.0040	0.0040	0.0041	0.0040	0	-	0.0022	0.0022	0.0020

Batch: DIG,AQ*98392 Method: 3005 - Total Recoverable Metals Digestion

		(BLANK)	(LCS)	.....	(LCSD)	.....	(MTX QC)	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Digestion	Date	02/05/98	02/05/98	02/05/98	02/05/98	02/05/98	02/05/98	02/05/98	02/05/98	02/05/98	02/05/98

Batch: AG*98392 Method: 6010 - ICAP Metals

		B802864*1	C8021762*1	.....	C8021763*1	.....	9801466*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Silver	mg/L	0.001	0.202	0.200	0.196	0.200	0.004	-	° 0.396	0.413	0.500

Batch: AL*98392 Method: 6010 - ICAP Metals

		B802865*1	C8021764*1	.....	C8021765*1	.....	9801466*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Aluminum	mg/L	0	0.973	1.00	0.903	1.00	0	-	1.43	1.46	1.50

Batch: BA*98392 Method: 6010 - ICAP Metals

		B802866*1	C8021766*1	.....	C8021767*1	.....	9801466*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Barium	mg/L	0.0012	0.964	1.00	0.951	1.00	0.019	-	0.500	0.508	0.519

Batch: BE*98392 Method: 6010 - ICAP Metals

		B802867*1	C8021768*1	.....	C8021769*1	.....	9801466*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Beryllium	mg/L	0.0002	0.393	0.400	0.388	0.400	0.0004	-	0.0949	0.0969	0.100

Batch: CA*98392 Method: 6010 - ICAP Metals

		B802868*1	C8021770*1	.....	C8021771*1	.....	9801466*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Calcium	mg/L	0	51.1	50.0	50.2	50.0	260	-	314	315	309

AQUEOUS SAMPLES

Batch: CO*98392 Method: 6010 - ICAP Metals

		B802869*1	C8021772*1		C8021773*1		9801466*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Cobalt	mg/L	0	0.983	1.00	0.972	1.00	0.0028	-	0.471	0.477	0.500

Batch: CR*98392 Method: 6010 - ICAP Metals

		B802870*1	C8021774*1		C8021775*1		9801466*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Chromium	mg/L	0.005	0.979	1.00	0.963	1.00	0.0009	-	0.192	0.196	0.200

Batch: CU*98392 Method: 6010 - ICAP Metals

		B802860*1	C8021754*1		C8021755*1		9801466*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Copper	mg/L	0	0.948	1.00	0.932	1.00	0.011	-	0.475	0.488	0.500

Batch: FE*98392 Method: 6010 - ICAP Metals

		B802861*1	C8021756*1		C8021757*1		9801466*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Iron	mg/L	0.005	1.06	1.00	1.00	1.00	0.034	-	1.01	1.03	1.00

Batch: MO*98392 Method: 6010 - ICAP Metals

		B802871*1	C8021776*1		C8021777*1		9801466*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Molybdenum	mg/L	0	0.980	1.00	0.971	1.00	0	-	2.86	2.91	3.00

Batch: NI*98392 Method: 6010 - ICAP Metals

		B802872*1	C8021778*1		C8021779*1		9801466*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Nickel	mg/L	0.011	1.02	1.00	1.00	1.00	0.009	-	0.496	0.498	0.500

Batch: SB*98392 Method: 6010 - ICAP Metals

		B802873*1	C8021780*1		C8021781*1		9801466*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Antimony	mg/L	0	0.987	1.00	0.986	1.00	0	-	3.41	3.46	3.50

AQUEOUS SAMPLES

Batch: TL*98392 Method: 6010 - ICAP Metals

		B802874*1	C8021782*1	.....	C8021783*1	.....	9801466*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Thallium	mg/L	0.019	0.991	1.00	0.966	1.00	0.015	-	2.85	2.88	3.00

Batch: V*98392 Method: 6010 - ICAP Metals

		B802875*1	C8021784*1	.....	C8021785*1	.....	9801466*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Vanadium	mg/L	0	0.960	1.00	0.950	1.00	0.0010	-	0.481	0.488	0.500

Batch: ZN*98392 Method: 6010 - ICAP Metals

		B802863*1	C8021760*1	.....	C8021761*1	.....	9801466*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Zinc	mg/L	0	0.992	1.00	0.963	1.00	0	-	0.494	0.498	0.500

Batch: DIG,AQ,GFA*98393 Method: 3020 - Acid Digestion of Aqueous etc.

		(BLANK)	(LCS)	.....	(LCSD)	.....	(MTX QC)	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Furnace Digestion	Date	02/05/98	02/05/98	02/05/98	02/05/98	02/05/98	02/05/98	02/05/98	02/05/98	02/05/98	02/05/98

Batch: AS,GFA*98393 Method: 7060 - Arsenic, AA, Furnace

		B802832*1	C8021699*1	.....	C8021700*1	.....	9801466*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Arsenic	mg/L	0.0012	0.0478	0.0500	0.0506	0.0500	0	-	0.0232	0.0231	0.0250

Batch: CD,GFA*98393 Method: 7131 - Cadmium, AA, Furnace

		B802833*1	C8021701*1	.....	C8021702*1	.....	9801466*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Cadmium	mg/L	0	0.0184	0.0200	0.0186	0.0200	0	-	0.0235	0.0246	0.0250

Batch: PB,GFA*98393 Method: 7421 - Lead, AA, Furnace

		B802834*1	C8021703*1	.....	C8021704*1	.....	9801466*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Lead	mg/L	0	0.0495	0.0500	0.0507	0.0500	0.0008	-	0.0225	0.0233	0.0200

AQUEOUS SAMPLES

Batch: SE,GFA*98393 Method: 7740 - Selenium, AA, Furnace

		B802835*1	C8021705*1		C8021706*1		9801466*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Selenium	mg/L	0.0005	0.0958	0.100	0.0992	0.100	0.017	-	0.0794	0.0824	0.1170

VOC ANALYTICAL, GLENDALE
SUPPLEMENTAL QC REPORT FOR 9801466
DATE PRINTED: 17 MAR 1998

AQUEOUS SAMPLES

Batch: VOA,8260*986029 Method: 8260A - Volatile Organics, GCMS

		B802966*1	C8021963*1		C8021964*1		9801486*9				
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Date Analyzed	Date	02/08/98	02/08/98	02/08/98	02/08/98	02/08/98	02/08/98	-	02/08/98	02/08/98	02/08/98
Dilution Factor	Times	1	1	1	1	1	1	-	1	1	1
1,1,1-Trichloroethane	ug/L	0	53.0	50.0	47.6	50.0	0	-	53.6	54.4	50.0
1,1,2,2-Tetrachloroethane	ug/L	0	45.4	50.0	44.0	50.0	0	-	46.5	47.9	50.0
1,1,2-Trichloroethane	ug/L	0	46.5	50.0	45.2	50.0	0	-	49.4	50.7	50.0
1,1-Dichloroethane	ug/L	0	46.3	50.0	42.3	50.0	0	-	45.8	46.7	50.0
1,1-Dichloroethene	ug/L	0	50.3	50.0	44.4	50.0	3.1	-	52.0	53.5	53.1
1,2-Dibromoethane	ug/L	0	46.3	50.0	46.8	50.0	-	-	-	-	-
1,2-Dichloroethane	ug/L	0	49.7	50.0	48.7	50.0	0	-	54.2	55.2	50.0
1,2-Dichloropropane	ug/L	0	44.4	50.0	42.3	50.0	0	-	45.2	46.7	50.0
2-Chloroethylvinylether	ug/L	0	54.1	100	59.5	100	-	-	-	-	-
2-Hexanone	ug/L	0	78.4	100	77.2	100	0	-	78.0	80.5	100
Acetone	ug/L	0	86.2	100	85.5	100	0	-	76.3	51.1	100
Bromodichloromethane	ug/L	0	50.2	50.0	48.7	50.0	0	-	52.8	54.6	50.0
Bromomethane	ug/L	0	57.6	50.0	52.8	50.0	0	-	55.5	55.9	50.0
Benzene	ug/L	0	47.2	50.0	44.2	50.0	0	-	47.9	48.8	50.0
Bromoform	ug/L	0	46.7	50.0	46.5	50.0	0	-	51.4	52.8	50.0
Carbon Tetrachloride	ug/L	0	51.8	50.0	47.0	50.0	0	-	54.7	56.4	50.0
Chloroethane	ug/L	0	49.9	50.0	44.9	50.0	0	-	48.4	49.2	50.0
Chloroform	ug/L	0	48.4	50.0	45.0	50.0	1.0	-	48.8	50.4	51.0
Chloromethane	ug/L	0	38.5	50.0	35.3	50.0	0	-	39.4	41.2	50.0
Carbon Disulfide	ug/L	0	100	100	89.0	100	0	-	97.5	98.8	100
Dibromochloromethane	ug/L	0	61.7	50.0	56.5	50.0	0	-	63.1	64.4	50.0
Methyl ethyl ketone	ug/L	0	90.7	100	90.3	100	0	-	88.0	92.1	100
Methyl isobutyl ketone	ug/L	0	80.0	100	82.9	100	0	-	95.0	94.7	100
Methylene chloride	ug/L	0	44.8	50.0	42.6	50.0	0	-	44.9	47.1	50.0
Trichloroethene	ug/L	0	50.3	50.0	46.0	50.0	99	-	147	147	150
Tetrachloroethene	ug/L	0	52.0	50.0	46.8	50.0	2.3	-	53.0	53.8	52.3
Vinyl acetate	ug/L	0	94.4	100	91.8	100	0	-	67.3	64.4	100
Vinyl chloride	ug/L	0	49.6	50.0	42.9	50.0	0	-	48.7	49.6	50.0
cis-1,2-Dichloroethene	ug/L	0	48.4	50.0	45.4	50.0	4.8	-	52.2	53.1	54.8
cis-1,3-Dichloropropene	ug/L	0	46.8	50.0	45.4	50.0	0	-	46.3	47.6	50.0
trans-1,2-Dichloroethene	ug/L	0	49.4	50.0	45.0	50.0	0	-	48.2	50.0	50.0
trans-1,3-Dichloropropene	ug/L	0	47.8	50.0	46.3	50.0	0	-	48.4	48.7	50.0
4-Bromofluorobenzene Rep.	ug/L	48.0	49.7	50.0	48.4	50.0	47.4	-	48.3	48.5	50.0
4-Bromofluorobenzene Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	50.0	-	50.0	50.0	50.0
Toluene-d8 Reported	ug/L	48.3	50.3	50.0	49.3	50.0	48.2	-	48.9	48.2	50.0

AQUEOUS SAMPLES

Batch: VOA,8260*986029 Method: 8260A - Volatile Organics, GCMS, con't

		B802966*1	C8021963*1		C8021964*1		9801486*9	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Toluene-d8 Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	50.0	-	50.0	50.0	50.0
Dibromofluoromethane Rep.	ug/L	51.7	49.7	50.0	49.3	50.0	50.6	-	49.9	49.8	50.0
Dibromofluoromethane Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	50.0	-	50.0	50.0	50.0

AQUEOUS SAMPLES

Batch: VOA,8260*986030 Method: 8260A - Volatile Organics, GCMS

		B8021285*1	C8022616*1		C8022617*1		9801510*3				
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Date Analyzed	Date	02/09/98	02/08/98	02/08/98	02/08/98	02/08/98	02/09/98	-	02/09/98	02/09/98	02/09/98
Dilution Factor	Times	1	1	1	1	1	1	-	1	1	1
1,1,1-Trichloroethane	ug/L	0	55.2	50.0	57.4	50.0	0	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	41.9	50.0	40.2	50.0	0	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	45.0	50.0	45.7	50.0	0	-	-	-	-
1,1-Dichloroethane	ug/L	0	44.8	50.0	47.1	50.0	0	-	-	-	-
1,1-Dichloroethene	ug/L	0	49.1	50.0	52.6	50.0	0	-	52.7	52.3	50.0
1,2-Dibromoethane	ug/L	0	44.7	50.0	45.2	50.0	-	-	-	-	-
1,2-Dichloroethane	ug/L	0	51.4	50.0	53.2	50.0	36	-	-	-	-
1,2-Dichloropropane	ug/L	0	43.0	50.0	44.6	50.0	0	-	-	-	-
2-Chloroethylvinylether	ug/L	0	49.4	100	53.5	100	-	-	-	-	-
2-Hexanone	ug/L	0	67.5	100	66.3	100	0	-	-	-	-
Acetone	ug/L	0	77.6	100	76.7	100	0	-	-	-	-
Bromodichloromethane	ug/L	0	50.8	50.0	52.8	50.0	0	-	-	-	-
Bromomethane	ug/L	0	53.5	50.0	56.3	50.0	0	-	-	-	-
Benzene	ug/L	0	47.0	50.0	49.6	50.0	1.0	-	50.7	49.6	51.0
Bromoform	ug/L	0	45.8	50.0	45.8	50.0	0	-	-	-	-
Carbon Tetrachloride	ug/L	0	55.2	50.0	60.1	50.0	0	-	-	-	-
Chloroethane	ug/L	0	47.3	50.0	49.5	50.0	0	-	-	-	-
Chloroform	ug/L	0	47.8	50.0	49.7	50.0	0	-	-	-	-
Chloromethane	ug/L	0	35.1	50.0	37.2	50.0	0	-	-	-	-
Carbon Disulfide	ug/L	0	94.0	100	98.5	100	0	-	-	-	-
Dibromochloromethane	ug/L	0	64.2	50.0	67.8	50.0	0	-	-	-	-
Methyl ethyl ketone	ug/L	0	73.5	100	73.5	100	0	-	-	-	-
Methyl isobutyl ketone	ug/L	0	72.3	100	73.8	100	0	-	-	-	-
Methylene chloride	ug/L	0	42.5	50.0	44.1	50.0	0	-	-	-	-
Trichloroethene	ug/L	0	52.2	50.0	54.5	50.0	0	-	54.6	53.8	50.0
Tetrachloroethene	ug/L	0	54.0	50.0	56.6	50.0	0	-	-	-	-
Vinyl acetate	ug/L	0	66.9	100	71.8	100	0	-	-	-	-
Vinyl chloride	ug/L	0	40.7	50.0	43.6	50.0	0	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	45.5	50.0	47.7	50.0	0	-	-	-	-
cis-1,3-Dichloropropene	ug/L	0	43.8	50.0	45.3	50.0	0	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	48.2	50.0	50.3	50.0	0	-	-	-	-
trans-1,3-Dichloropropene	ug/L	0	44.7	50.0	45.8	50.0	0	-	-	-	-
4-Bromofluorobenzene Rep.	ug/L	47.5	49.6	50.0	48.9	50.0	47.3	-	49.0	48.8	50.0
4-Bromofluorobenzene Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	50.0	-	50.0	50.0	50.0
Toluene-d8 Reported	ug/L	49.2	50.4	50.0	50.1	50.0	49.3	-	49.9	49.8	50.0

AQUEOUS SAMPLES

Batch: VOA,8260*986030 Method: 8260A - Volatile Organics, GCMS, con't

		88021285*1	C8022616*1		C8022617*1		9801510*3	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Toluene-d8 Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	50.0	-	50.0	50.0	50.0
Dibromofluoromethane Rep.	ug/L	49.2	47.9	50.0	48.6	50.0	49.0	-	48.0	48.7	50.0
Dibromofluoromethane Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	50.0	-	50.0	50.0	50.0

AQUEOUS SAMPLES

Batch: BNA*9818 Method: 8270 - GC/MS for Semivolatile Organics, Capillary column

		88013872*1	N/A		N/A		9801466*2	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Date Analyzed	Date	-	-	-	-	-	02/23/98	-	02/23/98	02/23/98	02/23/98
Date Extracted	Date	-	-	-	-	-	01/30/98	-	01/30/98	01/30/98	01/30/98
Dilution Factor	Times	-	-	-	-	-	1	-	1	1	1
1,2,4-Trichlorobenzene	ug/L	-	-	-	-	-	0	-	35.6	37.4	50.0
1,2-Dichlorobenzene	ug/L	-	-	-	-	-	0	-	-	-	-
1,2-Diphenylhydrazine	ug/L	-	-	-	-	-	0	-	-	-	-
1,3-Dichlorobenzene	ug/L	-	-	-	-	-	0	-	-	-	-
1,4-Dichlorobenzene	ug/L	-	-	-	-	-	0	-	34.6	36.6	50.0
2,4,5-Trichlorophenol	ug/L	-	-	-	-	-	0	-	-	-	-
2,4,6-Trichlorophenol	ug/L	-	-	-	-	-	0	-	-	-	-
2,4-Dichlorophenol	ug/L	-	-	-	-	-	0	-	-	-	-
2,4-Dimethylphenol	ug/L	-	-	-	-	-	0	-	-	-	-
2,4-Dinitrophenol	ug/L	-	-	-	-	-	0	-	-	-	-
2,4-Dinitrotoluene	ug/L	-	-	-	-	-	0	-	38.8	37.8	50.0
2,6-Dinitrotoluene	ug/L	-	-	-	-	-	0	-	-	-	-
2-Chloronaphthalene	ug/L	-	-	-	-	-	0	-	-	-	-
2-Chlorophenol	ug/L	-	-	-	-	-	0	-	52.4	58.4	75.0
2-Methyl-4,6-dinitrophenol	ug/L	-	-	-	-	-	0	-	-	-	-
2-Methylnaphthalene	ug/L	-	-	-	-	-	0	-	-	-	-
2-Methylphenol (o-Cresol)	ug/L	-	-	-	-	-	0	-	-	-	-
2-Nitroaniline	ug/L	-	-	-	-	-	0	-	-	-	-
2-Nitrophenol	ug/L	-	-	-	-	-	0	-	-	-	-
3,3'-Dichlorobenzidine	ug/L	-	-	-	-	-	0	-	-	-	-
3-Nitroaniline	ug/L	-	-	-	-	-	0	-	-	-	-
4-Bromophenylphenylether	ug/L	-	-	-	-	-	0	-	-	-	-
4-Chloro-3-methylphenol	ug/L	-	-	-	-	-	0	-	58.2	59.4	75.0
4-Chloroaniline	ug/L	-	-	-	-	-	0	-	-	-	-
4-Chlorophenylphenylether	ug/L	-	-	-	-	-	0	-	-	-	-
4-Methylphenol (p-Cresol)	ug/L	-	-	-	-	-	0	-	-	-	-
4-Nitroaniline	ug/L	-	-	-	-	-	0	-	-	-	-
4-Nitrophenol	ug/L	-	-	-	-	-	0	-	18.6	14.5	75.0
Acenaphthene	ug/L	-	-	-	-	-	0	-	43.7	44.2	50.0
Acenaphthylene	ug/L	-	-	-	-	-	0	-	-	-	-
Aniline	ug/L	-	-	-	-	-	0	-	-	-	-
Anthracene	ug/L	-	-	-	-	-	0	-	-	-	-
Benzidine	ug/L	-	-	-	-	-	0	-	-	-	-
Benzo(a)anthracene	ug/L	-	-	-	-	-	0	-	-	-	-

AQUEOUS SAMPLES

Batch: BNA*9818 Method: 8270 - GC/MS for Semivolatile Organics, Capillary column, con't

		B8013872*1	N/A		N/A		9801466*2	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Benzo(a)pyrene	ug/L	-	-	-	-	-	0	-	-	-	-
Benzo(b)fluoranthene	ug/L	-	-	-	-	-	0	-	-	-	-
Benzo(g,h,i)perylene	ug/L	-	-	-	-	-	0	-	-	-	-
Benzo(k)fluoranthene	ug/L	-	-	-	-	-	0	-	-	-	-
Benzyl Alcohol	ug/L	-	-	-	-	-	0	-	-	-	-
Benzoic acid	ug/L	-	-	-	-	-	0	-	-	-	-
Butylbenzylphthalate	ug/L	-	-	-	-	-	0	-	-	-	-
Chrysene	ug/L	-	-	-	-	-	0	-	-	-	-
Di-n-octylphthalate	ug/L	-	-	-	-	-	0	-	-	-	-
Dibenzo(a,h)anthracene	ug/L	-	-	-	-	-	0	-	-	-	-
Dibenzofuran	ug/L	-	-	-	-	-	0	-	-	-	-
Dibutylphthalate	ug/L	-	-	-	-	-	0	-	-	-	-
Diethylphthalate	ug/L	-	-	-	-	-	0	-	-	-	-
Dimethylphthalate	ug/L	-	-	-	-	-	0	-	-	-	-
Fluoranthene	ug/L	-	-	-	-	-	0	-	-	-	-
Fluorene	ug/L	-	-	-	-	-	0	-	-	-	-
Hexachlorobenzene	ug/L	-	-	-	-	-	0	-	-	-	-
Hexachlorobutadiene	ug/L	-	-	-	-	-	0	-	-	-	-
Hexachlorocyclopentadiene	ug/L	-	-	-	-	-	0	-	-	-	-
Hexachloroethane	ug/L	-	-	-	-	-	0	-	-	-	-
Indeno(1,2,3-c,d)pyrene	ug/L	-	-	-	-	-	0	-	-	-	-
Isophorone	ug/L	-	-	-	-	-	0	-	-	-	-
N-Nitrosodimethylamine	ug/L	-	-	-	-	-	0	-	-	-	-
N-Nitrosodiphenylamine	ug/L	-	-	-	-	-	0	-	-	-	-
N-Nitrosodi-n-propylamine	ug/L	-	-	-	-	-	0	-	41.9	44.2	50.0
Nitrobenzene	ug/L	-	-	-	-	-	0	-	-	-	-
Naphthalene	ug/L	-	-	-	-	-	0	-	-	-	-
Phenanthrene	ug/L	-	-	-	-	-	0	-	-	-	-
Phenol	ug/L	-	-	-	-	-	0	-	32.4	31.4	75.0
Pentachlorophenol	ug/L	-	-	-	-	-	0	-	47.9	51.5	75.0
Pyrene	ug/L	-	-	-	-	-	0	-	50.3	49.2	50.0
Pyridine	ug/L	-	-	-	-	-	0	-	-	-	-
Bis(2-chloroethoxy)methane	ug/L	-	-	-	-	-	0	-	-	-	-
Bis(2-chloroethyl)ether	ug/L	-	-	-	-	-	0	-	-	-	-
Bis(2-chloroisopropyl)ether	ug/L	-	-	-	-	-	0	-	-	-	-
Bis(2-ethylhexyl)phthalate	ug/L	-	-	-	-	-	1.3	-	-	-	-
2-Fluorobiphenyl Reported	ug/L	-	-	-	-	-	39.7	-	39.3	41.8	50.0

VOC ANALYTICAL, GLENDALE
SUPPLEMENTAL QC REPORT FOR 9801466
DATE PRINTED: 17 MAR 1998

AQUEOUS SAMPLES

Batch: BNA*9818 Method: 8270 - GC/MS for Semivolatile Organics, Capillary column, con't

		B8013872*1	N/A		N/A		9801466*2	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
2-Fluorobiphenyl Theo.	ug/L	-	-	-	-	-	50.0	-	50.0	50.0	50.0
2-Fluorophenol Reported	ug/L	-	-	-	-	-	43.7	-	41.0	44.5	75.0
2-Fluorophenol Theoretical	ug/L	-	-	-	-	-	75.0	-	75.0	75.0	75.0
2,4,6-Tribromophenol Rep.	ug/L	-	-	-	-	-	59.6	-	63.8	63.4	75.0
2,4,6-Tribromophenol Theo.	ug/L	-	-	-	-	-	75.0	-	75.0	75.0	75.0
Nitrobenzene-d5 Reported	ug/L	-	-	-	-	-	37.3	-	37.1	42.8	50.0
Nitrobenzene-d5 Theoretical	ug/L	-	-	-	-	-	50.0	-	50.0	50.0	50.0
Phenol-d5 Reported	ug/L	-	-	-	-	-	35.0	-	31.5	31.2	75.0
Phenol-d5 Theoretical	ug/L	-	-	-	-	-	75.0	-	75.0	75.0	75.0
Terphenyl-d14 Reported	ug/L	-	-	-	-	-	38.8	-	38.2	38.2	50.0
Terphenyl-d14 Theoretical	ug/L	-	-	-	-	-	50.0	-	50.0	50.0	50.0

: SURROGATE RECOVERIES :
: BC ANALYTICAL : GLEN LAB : 07:15:26 17 MAR 1998 - P. 1 :

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
9801466*1							
8270	2-Fluorophenol	9818	02/23/98	46.4	75.0	62	
	Phenol-d5	9818	02/23/98	38.3	75.0	51	
	Nitrobenzene-d5	9818	02/23/98	39.4	50.0	79	
	2-Fluorobiphenyl	9818	02/23/98	42.3	50.0	85	
	2,4,6-Tribromophenol Rep.	9818	02/23/98	66.1	75.0	88	
	Terphenyl-d14	9818	02/23/98	39.3	50.0	79	
8260A	Toluene-d8	986029	02/08/98	47.5	50.0	95	
	4-Bromofluorobenzene Rep.	986029	02/08/98	47.7	50.0	95	
	Dibromofluoromethane Rep.	986029	02/08/98	50.6	50.0	101	
9801466*2							
8270	2-Fluorophenol	9818	02/23/98	43.7	75.0	58	
	Phenol-d5	9818	02/23/98	35.0	75.0	47	
	Nitrobenzene-d5	9818	02/23/98	37.3	50.0	75	
	2-Fluorobiphenyl	9818	02/23/98	39.7	50.0	79	
	2,4,6-Tribromophenol Rep.	9818	02/23/98	59.6	75.0	79	
	Terphenyl-d14	9818	02/23/98	38.8	50.0	78	
8260A	Toluene-d8	986029	02/08/98	48.7	50.0	97	
	4-Bromofluorobenzene Rep.	986029	02/08/98	47.6	50.0	95	
	Dibromofluoromethane Rep.	986029	02/08/98	50.8	50.0	102	
9801466*3							
8270	2-Fluorophenol	9818	02/23/98	44.5	75.0	59	
	Phenol-d5	9818	02/23/98	34.2	75.0	46	
	Nitrobenzene-d5	9818	02/23/98	40.7	50.0	81	
	2-Fluorobiphenyl	9818	02/23/98	42.6	50.0	85	
	2,4,6-Tribromophenol Rep.	9818	02/23/98	66.1	75.0	88	
	Terphenyl-d14	9818	02/23/98	41.6	50.0	83	
8260A	Toluene-d8	986029	02/08/98	48.8	50.0	98	
	4-Bromofluorobenzene Rep.	986029	02/08/98	47.6	50.0	95	
	Dibromofluoromethane Rep.	986029	02/08/98	50.0	50.0	100	
9801466*4							
8270	2-Fluorophenol	9818	02/24/98	44.5	75.0	59	
	Phenol-d5	9818	02/24/98	34.7	75.0	46	
	Nitrobenzene-d5	9818	02/24/98	41.2	50.0	82	
	2-Fluorobiphenyl	9818	02/24/98	43.6	50.0	87	
	2,4,6-Tribromophenol Rep.	9818	02/24/98	64.5	75.0	86	
	Terphenyl-d14	9818	02/24/98	41.7	50.0	83	
8260A	Toluene-d8	986029	02/08/98	48.3	50.0	97	
	4-Bromofluorobenzene Rep.	986029	02/08/98	48.3	50.0	97	
	Dibromofluoromethane Rep.	986029	02/08/98	50.4	50.0	101	
9801466*5							
8270	2-Fluorophenol	9818	02/11/98	42.7	75.0	57	
	Phenol-d5	9818	02/11/98	34.8	75.0	46	
	Nitrobenzene-d5	9818	02/11/98	38.5	50.0	77	
	2-Fluorobiphenyl	9818	02/11/98	39.7	50.0	79	
	2,4,6-Tribromophenol Rep.	9818	02/11/98	64.8	75.0	86	
	Terphenyl-d14	9818	02/11/98	40.5	50.0	81	

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
8260A	Toluene-d8	986029	02/08/98	49.0	50.0	98	
	4-Bromofluorobenzene Rep.	986029	02/08/98	48.3	50.0	97	
	Dibromofluoromethane Rep.	986029	02/08/98	50.7	50.0	101	
9801466*6							
8270	2-Fluorophenol	9818	02/11/98	46.1	75.0	61	
	Phenol-d5	9818	02/11/98	36.3	75.0	48	
	Nitrobenzene-d5	9818	02/11/98	44.6	50.0	89	
	2-Fluorobiphenyl	9818	02/11/98	48.4	50.0	97	
	2,4,6-Tribromophenol Rep.	9818	02/11/98	81.7	75.0	109	
	Terphenyl-d14	9818	02/11/98	42.0	50.0	84	
8260A	Toluene-d8	986029	02/08/98	49.0	50.0	98	
	4-Bromofluorobenzene Rep.	986029	02/08/98	48.5	50.0	97	
	Dibromofluoromethane Rep.	986029	02/08/98	50.1	50.0	100	
9801466*7							
8270	2-Fluorophenol	9818	02/23/98	45.6	75.0	61	
	Phenol-d5	9818	02/23/98	36.1	50.0	72	
	Nitrobenzene-d5	9818	02/23/98	39.8	50.0	80	
	2-Fluorobiphenyl	9818	02/23/98	40.8	50.0	82	
	2,4,6-Tribromophenol Rep.	9818	02/23/98	64.3	75.0	86	
	Terphenyl-d14	9818	02/23/98	41.0	50.0	82	
3260A	Toluene-d8	986029	02/08/98	48.6	50.0	97	
	4-Bromofluorobenzene Rep.	986029	02/08/98	47.8	50.0	96	
	Dibromofluoromethane Rep.	986029	02/08/98	50.1	50.0	100	
9801466*8							
8270	2-Fluorophenol	9818	02/11/98	37.4	75.0	50	
	Phenol-d5	9818	02/11/98	23.9	75.0	32	
	Nitrobenzene-d5	9818	02/11/98	36.5	50.0	73	
	2-Fluorobiphenyl	9818	02/11/98	38.7	50.0	77	
	2,4,6-Tribromophenol Rep.	9818	02/11/98	59.9	75.0	80	
	Terphenyl-d14	9818	02/11/98	35.2	50.0	70	
8260A	Toluene-d8	986029	02/08/98	49.1	50.0	98	
	4-Bromofluorobenzene Rep.	986029	02/08/98	47.9	50.0	96	
	Dibromofluoromethane Rep.	986029	02/08/98	49.6	50.0	99	
9801466*9							
8260A	Toluene-d8	986030	02/09/98	49.3	50.0	99	
	4-Bromofluorobenzene Rep.	986030	02/09/98	47.3	50.0	95	
	Dibromofluoromethane Rep.	986030	02/09/98	49.4	50.0	99	

: SURROGATE RECOVERIES :
: BC ANALYTICAL : GLEN LAB : 07:15:30 17 MAR 1998 - P. 1 :

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
9801466*2*R1							
8270	2-Fluorophenol	9818	02/23/98	43.7	75.0	58	
	Phenol-d5	9818	02/23/98	35.0	75.0	47	
	Nitrobenzene-d5	9818	02/23/98	37.3	50.0	75	
	2-Fluorobiphenyl	9818	02/23/98	39.7	50.0	79	
	2,4,6-Tribromophenol Rep.	9818	02/23/98	59.6	75.0	79	
	Terphenyl-d14	9818	02/23/98	38.8	50.0	78	
9801466*2*S1							
8270	2-Fluorophenol	9818	02/23/98	41.0	75.0	55	
	Phenol-d5	9818	02/23/98	31.5	75.0	42	
	Nitrobenzene-d5	9818	02/23/98	37.1	50.0	74	
	2-Fluorobiphenyl	9818	02/23/98	39.3	50.0	79	
	2,4,6-Tribromophenol Rep.	9818	02/23/98	63.8	75.0	85	
	Terphenyl-d14	9818	02/23/98	38.2	50.0	76	
9801466*2*S2							
8270	2-Fluorophenol	9818	02/23/98	44.5	75.0	59	
	Phenol-d5	9818	02/23/98	31.2	75.0	42	
	Nitrobenzene-d5	9818	02/23/98	42.8	50.0	86	
	2-Fluorobiphenyl	9818	02/23/98	41.8	50.0	84	
	2,4,6-Tribromophenol Rep.	9818	02/23/98	63.4	75.0	85	
	Terphenyl-d14	9818	02/23/98	38.2	50.0	76	
9801466*2*T							
8270	2-Fluorophenol	9818	02/23/98	75.0	75.0	100	
	Phenol-d5	9818	02/23/98	75.0	75.0	100	
	Nitrobenzene-d5	9818	02/23/98	50.0	50.0	100	
	2-Fluorobiphenyl	9818	02/23/98	50.0	50.0	100	
	2,4,6-Tribromophenol Rep.	9818	02/23/98	75.0	75.0	100	
	Terphenyl-d14	9818	02/23/98	50.0	50.0	100	
B8021285*1*MB							
8260A	1,2-Dichloroethane-d4 Rep	986030	02/09/98	52.3	50.0	105	
	Dibromofluoromethane Rep.	986030	02/09/98	49.2	50.0	98	
	Toluene-d8	986030	02/09/98	49.2	50.0	98	
	4-Bromofluorobenzene Rep.	986030	02/09/98	47.5	50.0	95	
B802966*1*MB							
8260A	1,2-Dichloroethane-d4 Rep	986029	02/08/98	54.7	50.0	109	
	Dibromofluoromethane Rep.	986029	02/08/98	51.7	50.0	103	
	Toluene-d8	986029	02/08/98	48.3	50.0	97	
	4-Bromofluorobenzene Rep.	986029	02/08/98	48.0	50.0	96	
C8021963*1*LC							
8260A	1,2-Dichloroethane-d4 Rep	986029	02/08/98	50.1	50.0	100	
	Dibromofluoromethane Rep.	986029	02/08/98	49.7	50.0	99	
	Toluene-d8	986029	02/08/98	50.3	50.0	101	
	4-Bromofluorobenzene Rep.	986029	02/08/98	49.7	50.0	99	

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
C8021963*1*LT							
8260A	1,2-Dichloroethane-d4 Rep	986029	02/08/98	50.0	50.0	100	
	Dibromofluoromethane Rep.	986029	02/08/98	50.0	50.0	100	
	Toluene-d8	986029	02/08/98	50.0	50.0	100	
	4-Bromofluorobenzene Rep.	986029	02/08/98	50.0	50.0	100	
C8021964*1*LC							
8260A	1,2-Dichloroethane-d4 Rep	986029	02/08/98	49.7	50.0	99	
	Dibromofluoromethane Rep.	986029	02/08/98	49.3	50.0	99	
	Toluene-d8	986029	02/08/98	49.3	50.0	99	
	4-Bromofluorobenzene Rep.	986029	02/08/98	48.4	50.0	97	
C8021964*1*LT							
8260A	1,2-Dichloroethane-d4 Rep	986029	02/08/98	50.0	50.0	100	
	Dibromofluoromethane Rep.	986029	02/08/98	50.0	50.0	100	
	Toluene-d8	986029	02/08/98	50.0	50.0	100	
	4-Bromofluorobenzene Rep.	986029	02/08/98	50.0	50.0	100	
C8022616*1*LC							
3260A	1,2-Dichloroethane-d4 Rep	986030	02/08/98	53.4	50.0	107	
	Dibromofluoromethane Rep.	986030	02/08/98	47.9	50.0	96	
	Toluene-d8	986030	02/08/98	50.4	50.0	101	
	4-Bromofluorobenzene Rep.	986030	02/08/98	49.6	50.0	99	
C8022616*1*LT							
8260A	1,2-Dichloroethane-d4 Rep	986030	02/08/98	50.0	50.0	100	
	Dibromofluoromethane Rep.	986030	02/08/98	50.0	50.0	100	
	Toluene-d8	986030	02/08/98	50.0	50.0	100	
	4-Bromofluorobenzene Rep.	986030	02/08/98	50.0	50.0	100	
C8022617*1*LC							
8260A	1,2-Dichloroethane-d4 Rep	986030	02/08/98	53.5	50.0	107	
	Dibromofluoromethane Rep.	986030	02/08/98	48.6	50.0	97	
	Toluene-d8	986030	02/08/98	50.1	50.0	100	
	4-Bromofluorobenzene Rep.	986030	02/08/98	48.9	50.0	98	
C8022617*1*LT							
8260A	1,2-Dichloroethane-d4 Rep	986030	02/08/98	50.0	50.0	100	
	Dibromofluoromethane Rep.	986030	02/08/98	50.0	50.0	100	
	Toluene-d8	986030	02/08/98	50.0	50.0	100	
	4-Bromofluorobenzene Rep.	986030	02/08/98	50.0	50.0	100	

Ship To: VOC Anal
Attn: Sample Control
801 Western
Glendale CA

Page 1 of 3
Project Name: WDI
Project No.: 94-256
Site Location: Santa Fe Springs CA
Date: 1/26/98

CHAIN OF CUSTODY RECORD

69801466

Boring/Well No.	Sample No.	Depth	Date	Time	Sample Type: Water	Solid	Other	Comp.	Grab.	Sample Containers: Vol.	No.	Type	Pres.	Analysis: 8260	8270	Metals					Remarks
WDI-GMW19-05			1/26/98	0909	X					40ml	4	VOA	HCl	X							
↓			↓	↓	↓					1l	2	Amber	—		X						
↓			↓	↓	↓					1l	1	Poly	HNO3			X					
WDI-GMW19-05-FLTRD			↓	↓	↓					1l	1	"	"			X					
WDI-GMW18-05			1/26/98	1057	X					40ml	4	VOA	HCl	X							
↓			↓	↓	↓					1l	2	Amber	—		X						
↓			↓	↓	↓					1l	1	Poly	HNO3			X					
WDI-GMW18-05-FLTRD			↓	↓	↓					1l	1	"	"			X					
WDI-GMW06-05			1/26/98	1214	X					40ml	4	VOA	HCl	X							
↓			↓	↓	↓					1l	2	Amber	—		X						
↓			↓	↓	↓					1l	1	Poly	HNO3			X					
WDI-GMW06-05-FLTRD			↓	↓	↓					1l	1	"	"			X					
WDI-GMW07-05			1/26/98	1354	X					40ml	4	VOA	HCl	X							
↓			↓	↓	↓					1l	2	Amber	—		X						
↓			↓	↓	↓					1l	1	Poly	HNO3			X					

Total Number of Samples Shipped: ~~59~~ 60 Shipper's Signature: Glenn Andrusko

	Signature	Company	Date	Time
Relinquished by:	Glenn Andrusko	TRC	1/26/98	
Received by:	A. Malcijan	ARIA	1-26-98	4:15
Relinquished by:	A. Malcijan	ARIA	1-26-98	5:[illegible]
Received by:	Sharon Malone	VOC	1-26-98	1700
Relinquished by:				
Received by:				

Special Instructions / Shipment / Handling/ Storage Requirements:

Send results attn. Roberto Puga

The material(s) listed are received for analysis and/or treatability evaluation and remain the property of the client and not Environmental Solutions, Inc. At the conclusion of the test work, all remaining material(s) will be returned to the client for eventual disposal at a licensed facility.

☒ ENVIRONMENTAL SOLUTIONS, INC.
21 Technology Drive
Irvine, California 92718

☐ ENVIRONMENTAL SOLUTIONS, INC.
1172 Pelican Bay Drive
Daytona Beach, Florida 32119

☐ ENVIRONMENTAL SOLUTIONS, INC.
1201 N. McDowell Boulevard
Petaluma, California 94954

☐ ENVIRONMENTAL SOLUTIONS, INC.
2815 Mitchell Drive, Suite 103
Walnut Creek, California 94598

Ship To: VOC
Attn:
Glendale

Page 2 of 3
Project Name: WD1
Project No.: 94-256
Site Location: SFS, CA
Date: 1/26/98

CHAIN OF CUSTODY RECORD

6980466

Boring/Well No.	Sample No.	Depth	Date	Time	Sample Type: Water	Solid	Other	Comp.	Grab	Sample Containers: Vol.	No.	Type	Pres.	Analysis: 8260	8270	Metals	Remarks
WD1-GMW	07-05-FLTRD		1/26/98	1354	X					1l	1	Poly	HNO3			X	
WD1-MW	FD07-05		1/26/98	1354	X					40ml	4	VOA	HCl	X			
↓			↓	↓	↓					1l	2	Amber	—		X		
↓			↓	↓	↓					1l	1	Poly	HNO3			X	
WD1-MW	FD07-05-FLTRD		↓	↓	↓					1l	1	"	"			X	
WD1-GMW	05-05		1/26/98	1458	X					40ml	4	VOA	HCl	X			
↓			↓	↓	↓					1l	2	Amber	—		X		
↓			↓	↓	↓					1l	1	Poly	HNO3			X	
WD1-GMW	05-05FLTRD		↓	↓	↓					1l	1	"	"			X	
WD1-MW	FB05		1/26/98	1515	X					40ml	2	VOA	HCl	X			
↓			↓	↓	↓					1l	2	Amber	—		X		
↓			↓	↓	↓					1l	1	Poly	HNO3			X	
WD1-MW	FR05		1/26/98	1525	X					40ml	2	VOA	HCl	X			
↓			↓	↓						1l	2	Amber	—		X		
↓			↓	↓						1l	1	Poly	HNO3			X	

Total Number of Samples Shipped: 49 58 60 Shipper's Signature: Glenn Andrusky

	Signature	Company	Date	Time
Relinquished by:	Glenn Andrusky	TRC	1/26/98	
Received by:	A. Malgran	ARIA	1-26-98	4:15
Relinquished by:	A. Malgran	ARIA	1-26-98	5:—
Received by:				
Relinquished by:				
Received by:				

Special Instructions / Shipment / Handling/ Storage Requirements:

The material(s) listed are received for analysis and/or treatability evaluation and remain the property of the client and not Environmental Solutions, Inc. At the conclusion of the test work, all remaining material(s) will be returned to the client for eventual disposal at a licensed facility.

☒ ENVIRONMENTAL SOLUTIONS, INC.
21 Technology Drive
Irvine, California 92718

☐ ENVIRONMENTAL SOLUTIONS, INC.
1172 Pelican Bay Drive
Daytona Beach, Florida 32119

☐ ENVIRONMENTAL SOLUTIONS, INC.
1201 N. McDowell Boulevard
Petaluma, California 94954

☐ ENVIRONMENTAL SOLUTIONS, INC.
2815 Mitchell Drive, Suite 103
Walnut Creek, California 94598

Ship To: VOC
Attn:
Glendale

Page 3 of 3
Project Name: WD1
Project No.: 94-256
Site Location: SFS, CA
Date: 1/26/98

CHAIN OF CUSTODY RECORD

69801466

Boring/Well No.	Sample No.	Depth	Date	Time	Sample Type: Water	Sample Type: Solid	Sample Type: Other	Comp.	Grab.	Sample Containers: Vol.	Sample Containers: No.	Sample Containers: Type	Sample Containers: Pres.	Analysis: 8260							Remarks
WDI - MW 7B	19		1/26/98	0909	X					40	2	VOA	HCl	X							

Total Number of Samples Shipped: 9 8260 Shipper's Signature: Glenn Andrasko

	Signature	Company	Date	Time
Relinquished by:	Glenn Andrasko	TRC	1/26/98	
Received by:	A. Malijan	AR.A	1-26-98	4:15
Relinquished by:	A. Malijan	AR.A	1-26-98	5:2
Received by:				
Relinquished by:				
Received by:				

Special Instructions / Shipment / Handling/ Storage Requirements:

The material(s) listed are received for analysis and/or treatability evaluation and remain the property of the client and not Environmental Solutions, Inc. At the conclusion of the test work, all remaining material(s) will be returned to the client for eventual disposal at a licensed facility.

☒ ENVIRONMENTAL SOLUTIONS, INC.
21 Technology Drive
Irvine, California 92718

☐ ENVIRONMENTAL SOLUTIONS, INC.
1172 Pelican Bay Drive
Daytona Beach, Florida 32119

☐ ENVIRONMENTAL SOLUTIONS, INC.
1201 N. McDowell Boulevard
Petaluma, California 94954

☐ ENVIRONMENTAL SOLUTIONS, INC.
2815 Mitchell Drive, Suite 103
Walnut Creek, California 94598

ANALYTICAL REPORT

Our Quality Control Is Your Quality Assurance

LOG NO: G98-01-495

Received: 27 JAN 98

Mailed:

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-495-1	WDI-GMW15-05	27 JAN 98
01-495-2	WDI-GMW16-05	27 JAN 98
01-495-3	WDI-GMW13-05	27 JAN 98
01-495-4	WDI-GMW04-05	27 JAN 98
01-495-5	WDI-GMW31-05	27 JAN 98

PARAMETER	01-495-1	01-495-2	01-495-3	01-495-4	01-495-5
Digestion (3005), Date	02/10/98	02/10/98	02/10/98	02/10/98	02/10/98
Furnace Digestion (3020), Date	02/10/98	02/10/98	02/10/98	02/10/98	02/10/98
Arsenic (7060), mg/L	<0.002	<0.002	<0.002	<0.002	<0.002
Antimony (6010), mg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Barium (6010), mg/L	0.025	0.022	0.023	0.025	0.032
Beryllium (6010), mg/L	<0.001	<0.001	<0.001	<0.001	<0.001
Cadmium (7131), mg/L	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium (6010), mg/L	<0.01	<0.01	0.012	<0.01	<0.01
Cobalt (6010), mg/L	<0.04	<0.04	<0.04	<0.04	<0.04
Copper (6010), mg/L	<0.02	<0.02	<0.02	<0.02	<0.02
Lead (7421), mg/L	0.0027	0.0040	0.0063	0.0058	0.0046
Mercury (7470), mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (6010), mg/L	0.00010	<0.02	<0.02	<0.02	<0.02
Nickel (6010), mg/L	<0.04	<0.04	<0.04	<0.04	<0.04
Selenium (7740), mg/L	0.024	0.023	0.0049	0.015	0.014
Silver (6010), mg/L	<0.01	<0.01	<0.01	<0.01	<0.01
Thallium (6010), mg/L	<0.07	<0.07	<0.07	<0.07	<0.07
Vanadium (6010), mg/L	<0.04	<0.04	<0.04	<0.04	<0.04
Zinc (6010), mg/L	<0.01	<0.01	<0.01	<0.01	<0.01
Aluminum (6010), mg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium (6010), mg/L	300	290	270	290	290
Iron (6010), mg/L	0.045	<0.04	<0.04	<0.04	<0.04

LOG NO: G98-01-495

Received: 27 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-495-1	WDI-GMW15-05	27 JAN 98
01-495-2	WDI-GMW16-05	27 JAN 98
01-495-3	WDI-GMW13-05	27 JAN 98
01-495-4	WDI-GMW04-05	27 JAN 98
01-495-5	WDI-GMW31-05	27 JAN 98

PARAMETER	01-495-1	01-495-2	01-495-3	01-495-4	01-495-5
B/N,A Ext.Pri.Poll. (8270)					
Date Analyzed	02/17/98	02/17/98	02/19/98	02/19/98	02/19/98
Date Extracted	02/02/98	02/02/98	02/03/98	02/03/98	02/03/98
Dilution Factor, Times	1	1	1	1	1
1,2,4-Trichlorobenzene, ug/L	<5	<5	<5	<5	<5
1,2-Dichlorobenzene, ug/L	<5	<5	<5	<5	<5
1,2-Diphenylhydrazine, ug/L	<5	<5	<5	<5	<5
1,3-Dichlorobenzene, ug/L	<5	<5	<5	<5	<5
1,4-Dichlorobenzene, ug/L	<5	<5	<5	<5	<5
2,4,5-Trichlorophenol, ug/L	<5	<5	<5	<5	<5
2,4,6-Trichlorophenol, ug/L	<5	<5	<5	<5	<5
2,4-Dichlorophenol, ug/L	<5	<5	<5	<5	<5
2,4-Dimethylphenol, ug/L	<5	<5	<5	<5	<5
2,4-Dinitrophenol, ug/L	<10	<10	<10	<10	<10
2,4-Dinitrotoluene, ug/L	<5	<5	<5	<5	<5
2,6-Dinitrotoluene, ug/L	<5	<5	<5	<5	<5
2-Chloronaphthalene, ug/L	<5	<5	<5	<5	<5
2-Chlorophenol, ug/L	<5	<5	<5	<5	<5
2-Methyl-4,6-dinitrophenol, ug/L	<10	<10	<10	<10	<10
2-Methylnaphthalene, ug/L	<5	<5	<5	<5	<5
2-Methylphenol (o-Cresol), ug/L	<5	<5	<5	<5	<5
2-Nitroaniline, ug/L	<5	<5	<5	<5	<5
2-Nitrophenol, ug/L	<5	<5	<5	<5	<5

LOG NO: G98-01-495

Received: 27 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-495-1	WDI-GMW15-05	27 JAN 98
01-495-2	WDI-GMW16-05	27 JAN 98
01-495-3	WDI-GMW13-05	27 JAN 98
01-495-4	WDI-GMW04-05	27 JAN 98
01-495-5	WDI-GMW31-05	27 JAN 98

PARAMETER	01-495-1	01-495-2	01-495-3	01-495-4	01-495-5
3,3'-Dichlorobenzidine, ug/L	<10	<10	<10	<10	<10
3-Nitroaniline, ug/L	<5	<5	<5	<5	<5
4-Bromophenylphenylether, ug/L	<5	<5	<5	<5	<5
4-Chloro-3-methylphenol, ug/L	<5	<5	<5	<5	<5
4-Chloroaniline, ug/L	<5	<5	<5	<5	<5
4-Chlorophenylphenylether, ug/L	<5	<5	<5	<5	<5
4-Methylphenol (p-Cresol), ug/L	<10	<10	<10	<10	<10
4-Nitroaniline, ug/L	<5	<5	<5	<5	<5
4-Nitrophenol, ug/L	<10	<10	<10	<10	<10
Acenaphthene, ug/L	<5	<5	<5	<5	<5
Acenaphthylene, ug/L	<5	<5	<5	<5	<5
Aniline, ug/L	<5	<5	<5	<5	<5
Anthracene, ug/L	<5	<5	<5	<5	<5
Benzidine, ug/L	<100	<100	<100	<100	<100
Benzo(a)anthracene, ug/L	<5	<5	<5	<5	<5
Benzo(a)pyrene, ug/L	<5	<5	<5	<5	<5
Benzo(b)fluoranthene, ug/L	<5	<5	<5	<5	<5
Benzo(g,h,i)perylene, ug/L	<5	<5	<5	<5	<5
Benzo(k)fluoranthene, ug/L	<5	<5	<5	<5	<5
Benzyl Alcohol, ug/L	<10	<10	<10	<10	<10
Benzoic acid, ug/L	<50	<50	<50	<50	<50
Butylbenzylphthalate, ug/L	<5	<5	<5	<5	<5
Chrysene, ug/L	<5	<5	<5	<5	<5

LOG NO: G98-01-495

Received: 27 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-495-1	WDI-GMW15-05	27 JAN 98
01-495-2	WDI-GMW16-05	27 JAN 98
01-495-3	WDI-GMW13-05	27 JAN 98
01-495-4	WDI-GMW04-05	27 JAN 98
01-495-5	WDI-GMW31-05	27 JAN 98

PARAMETER	01-495-1	01-495-2	01-495-3	01-495-4	01-495-5
Di-n-octylphthalate, ug/L	<5	<5	<5	<5	<5
Dibenzo(a,h)anthracene, ug/L	<5	<5	<5	<5	<5
Dibenzofuran, ug/L	<5	<5	<5	<5	<5
Dibutylphthalate, ug/L	<10	<10	<10	<10	<10
Diethylphthalate, ug/L	<10	<10	<10	<10	<10
Dimethylphthalate, ug/L	<5	<5	<5	<5	<5
Fluoranthene, ug/L	<5	<5	<5	<5	<5
Fluorene, ug/L	<5	<5	<5	<5	<5
Hexachlorobenzene, ug/L	<5	<5	<5	<5	<5
Hexachlorobutadiene, ug/L	<5	<5	<5	<5	<5
Hexachlorocyclopentadiene, ug/L	<10	<10	<10	<10	<10
Hexachloroethane, ug/L	<5	<5	<5	<5	<5
Indeno(1,2,3-c,d)pyrene, ug/L	<5	<5	<5	<5	<5
Isophorone, ug/L	<5	<5	<5	<5	<5
N-Nitrosodimethylamine, ug/L	<5	<5	<5	<5	<5
N-Nitrosodiphenylamine, ug/L	<5	<5	<5	<5	<5
N-Nitrosodi-n-propylamine, ug/L	<5	<5	<5	<5	<5
Nitrobenzene, ug/L	<5	<5	<5	<5	<5
Naphthalene, ug/L	<5	<5	<5	<5	<5
Phenanthrene, ug/L	<5	<5	<5	<5	<5
Phenol, ug/L	<5	<5	<5	<5	<5
Pentachlorophenol, ug/L	<10	<10	<10	<10	<10
Pyrene, ug/L	<5	<5	<5	<5	<5

LOG NO: G98-01-495

Received: 27 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-495-1	WDI-GMW15-05	27 JAN 98
01-495-2	WDI-GMW16-05	27 JAN 98
01-495-3	WDI-GMW13-05	27 JAN 98
01-495-4	WDI-GMW04-05	27 JAN 98
01-495-5	WDI-GMW31-05	27 JAN 98

PARAMETER	01-495-1	01-495-2	01-495-3	01-495-4	01-495-5
Pyridine, ug/L	<10	<10	<10	<10	<10
Bis(2-chloroethoxy)methane, ug/L	<5	<5	<5	<5	<5
Bis(2-chloroethyl)ether, ug/L	<5	<5	<5	<5	<5
Bis(2-chloroisopropyl)ether, ug/L	<5	<5	<5	<5	<5
Bis(2-ethylhexyl)phthalate, ug/L	<10	15	<10	<10	<10
Surrogates **					
2-Fluorobiphenyl Reported, ug/L	42.6	45.5	42.2	38.9	38.8
2-Fluorobiphenyl Theo., ug/L	50.0	50.0	50.0	50.0	50.0
2-Fluorophenol Reported, ug/L	48.2	48.4	29.2	43.1	44.7
2-Fluorophenol Theoretical, ug/L	75.0	75.0	75.0	75.0	75.0
2,4,6-Tribromophenol Rep., ug/L	73.2	73.2	73.0	66.1	63.8
2,4,6-Tribromophenol Theo., ug/L	75.0	75.0	75.0	75.0	75.0
Nitrobenzene-d5 Reported, ug/L	41.5	42.8	40.1	38.5	37.8
Nitrobenzene-d5 Theoretical, ug/L	50.0	50.0	50.0	50.0	50.0
Phenol-d5 Reported, ug/L	39.9	39.8	40.1	39.3	40.2
Phenol-d5 Theoretical, ug/L	75.0	75.0	75.0	75.0	75.0
Terphenyl-d14 Reported, ug/L	44.3	41.1	39.5	38.2	39.3
Terphenyl-d14 Theoretical, ug/L	50.0	50.0	50.0	50.0	50.0

LOG NO: G98-01-495

Received: 27 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-495-1	WDI-GMW15-05	27 JAN 98
01-495-2	WDI-GMW16-05	27 JAN 98
01-495-3	WDI-GMW13-05	27 JAN 98
01-495-4	WDI-GMW04-05	27 JAN 98
01-495-5	WDI-GMW31-05	27 JAN 98

PARAMETER	01-495-1	01-495-2	01-495-3	01-495-4	01-495-5
Volatile Organics (8260A)					
Date Analyzed	02/09/98	02/09/98	02/09/98	02/09/98	02/10/98
Dilution Factor, Times	1	1	1	1	1
1,1,1-Trichloroethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
2-Chloroethylvinylether, ug/L	<4	<4	<4	<4	<4
2-Hexanone, ug/L	<5	<5	<5	<5	<5
Acetone, ug/L	<10	<10	<10	<10	<10
Bromodichloromethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Bromomethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Benzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Bromoform, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Carbon Tetrachloride, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane, ug/L	<1	<1	<1	<1	<1
Carbon Disulfide, ug/L	<2	<2	<2	<2	<2

LOG NO: G98-01-495

Received: 27 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-495-1	WDI-GMW15-05	27 JAN 98
01-495-2	WDI-GMW16-05	27 JAN 98
01-495-3	WDI-GMW13-05	27 JAN 98
01-495-4	WDI-GMW04-05	27 JAN 98
01-495-5	WDI-GMW31-05	27 JAN 98

PARAMETER	01-495-1	01-495-2	01-495-3	01-495-4	01-495-5
Dibromochloromethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Methyl ethyl ketone, ug/L	<10	<10	<10	<10	<10
Methyl isobutyl ketone, ug/L	<4	<4	<4	<4	<4
Methylene chloride, ug/L	<2	<2	<2	<2	<2
Trichloroethene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl acetate, ug/L	<5	<5	<5	<5	<5
Vinyl chloride, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Surrogates **					
4-Bromofluorobenzene Rep., ug/L	46.4	46.6	45.7	46.0	46.5
4-Bromofluorobenzene Theo., ug/L	50.0	50.0	50.0	50.0	50.0
Toluene-d8 Reported, ug/L	47.7	47.2	47.4	48.2	48.0
Toluene-d8 Theo., ug/L	50.0	50.0	50.0	50.0	50.0
Dibromofluoromethane Rep., ug/L	50.2	49.1	48.2	49.9	48.6
Dibromofluoromethane Theo., ug/L	50.0	50.0	50.0	50.0	50.0

LOG NO: G98-01-495

Received: 27 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-495-6	WDI-GMW30-05	27 JAN 98
01-495-7	WDI-GMW29-05	27 JAN 98

PARAMETER	01-495-6	01-495-7
Digestion (3005), Date	02/10/98	02/10/98
Furnace Digestion (3020), Date	02/10/98	02/10/98
Arsenic (7060), mg/L	<0.002	<0.002
Antimony (6010), mg/L	<0.1	<0.1
Barium (6010), mg/L	0.034	0.024
Beryllium (6010), mg/L	<0.001	<0.001
Cadmium (7131), mg/L	<0.001	<0.001
Chromium (6010), mg/L	<0.01	<0.01
Cobalt (6010), mg/L	<0.04	<0.04
Copper (6010), mg/L	<0.02	<0.02
Lead (7421), mg/L	0.0021	0.0090
Mercury (7470), mg/L	<0.0002	<0.0002
Molybdenum (6010), mg/L	<0.02	<0.02
Nickel (6010), mg/L	<0.04	<0.04
Selenium (7740), mg/L	0.021	0.020
Silver (6010), mg/L	<0.01	<0.01
Thallium (6010), mg/L	<0.07	<0.07
Vanadium (6010), mg/L	<0.04	<0.04
Zinc (6010), mg/L	<0.01	<0.01
Aluminum (6010), mg/L	<0.1	<0.1
Calcium (6010), mg/L	97	250
Iron (6010), mg/L	<0.04	0.092

LOG NO: G98-01-495

Received: 27 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-495-6	WDI-GMW30-05	27 JAN 98
01-495-7	WDI-GMW29-05	27 JAN 98

PARAMETER	01-495-6	01-495-7	
B/N,A Ext.Pri.Poll. (8270)			
Date Analyzed	02/19/98	02/19/98	
Date Extracted	02/03/98	02/03/98	
Dilution Factor, Times	1	1	
1,2,4-Trichlorobenzene, ug/L	<5	<5	
1,2-Dichlorobenzene, ug/L	<5	<5	
1,2-Diphenylhydrazine, ug/L	<5	<5	
1,3-Dichlorobenzene, ug/L	<5	<5	
1,4-Dichlorobenzene, ug/L	<5	<5	
2,4,5-Trichlorophenol, ug/L	<5	<5	
2,4,6-Trichlorophenol, ug/L	<5	<5	
2,4-Dichlorophenol, ug/L	<5	<5	
2,4-Dimethylphenol, ug/L	<5	<5	
2,4-Dinitrophenol, ug/L	<10	<10	
2,4-Dinitrotoluene, ug/L	<5	<5	
2,6-Dinitrotoluene, ug/L	<5	<5	
2-Chloronaphthalene, ug/L	<5	<5	
2-Chlorophenol, ug/L	<5	<5	
2-Methyl-4,6-dinitrophenol, ug/L	<10	<10	
2-Methylnaphthalene, ug/L	<5	<5	
2-Methylphenol (o-Cresol), ug/L	<5	<5	
2-Nitroaniline, ug/L	<5	<5	
2-Nitrophenol, ug/L	<5	<5	
3,3'-Dichlorobenzidine, ug/L	<10	<10	
3-Nitroaniline, ug/L	<5	<5	
4-Bromophenylphenylether, ug/L	<5	<5	

LOG NO: G98-01-495

Received: 27 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-495-6	WDI-GMW30-05	27 JAN 98
01-495-7	WDI-GMW29-05	27 JAN 98

PARAMETER	01-495-6	01-495-7
4-Chloro-3-methylphenol, ug/L	<5	<5
4-Chloroaniline, ug/L	<5	<5
4-Chlorophenylphenylether, ug/L	<5	<5
4-Methylphenol (p-Cresol), ug/L	<10	<10
4-Nitroaniline, ug/L	<5	<5
4-Nitrophenol, ug/L	<10	<10
Acenaphthene, ug/L	<5	<5
Acenaphthylene, ug/L	<5	<5
Aniline, ug/L	<5	<5
Anthracene, ug/L	<5	<5
Benzidine, ug/L	<100	<100
Benzo(a)anthracene, ug/L	<5	<5
Benzo(a)pyrene, ug/L	<5	<5
Benzo(b)fluoranthene, ug/L	<5	<5
Benzo(g,h,i)perylene, ug/L	<5	<5
Benzo(k)fluoranthene, ug/L	<5	<5
Benzyl Alcohol, ug/L	<10	<10
Benzoic acid, ug/L	<50	<50
Butylbenzylphthalate, ug/L	<5	<5
Chrysene, ug/L	<5	<5
Di-n-octylphthalate, ug/L	<5	<5
Dibenzo(a,h)anthracene, ug/L	<5	<5
Dibenzofuran, ug/L	<5	<5
Dibutylphthalate, ug/L	10	<10
Diethylphthalate, ug/L	<10	<10
Dimethylphthalate, ug/L	<5	<5

LOG NO: G98-01-495

Received: 27 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-495-6	WDI-GMW30-05	27 JAN 98
01-495-7	WDI-GMW29-05	27 JAN 98

PARAMETER	01-495-6	01-495-7
Fluoranthene, ug/L	<5	<5
Fluorene, ug/L	<5	<5
Hexachlorobenzene, ug/L	<5	<5
Hexachlorobutadiene, ug/L	<5	<5
Hexachlorocyclopentadiene, ug/L	<10	<10
Hexachloroethane, ug/L	<5	<5
Indeno(1,2,3-c,d)pyrene, ug/L	<5	<5
Isophorone, ug/L	<5	<5
N-Nitrosodimethylamine, ug/L	<5	<5
N-Nitrosodiphenylamine, ug/L	<5	<5
N-Nitrosodi-n-propylamine, ug/L	<5	<5
Nitrobenzene, ug/L	<5	<5
Naphthalene, ug/L	<5	<5
Phenanthrene, ug/L	<5	<5
Phenol, ug/L	<5	<5
Pentachlorophenol, ug/L	<10	<10
Pyrene, ug/L	<5	<5
Pyridine, ug/L	<10	<10
Bis(2-chloroethoxy)methane, ug/L	<5	<5
Bis(2-chloroethyl)ether, ug/L	<5	<5
Bis(2-chloroisopropyl)ether, ug/L	<5	<5
Bis(2-ethylhexyl)phthalate, ug/L	<10	<10
Surrogates **		
2-Fluorobiphenyl Reported, ug/L	41.8	39.4
2-Fluorobiphenyl Theo., ug/L	50.0	50.0
2-Fluorophenol Reported, ug/L	31.4	31.6

LOG NO: G98-01-495

Received: 27 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-495-6	WDI-GMW30-05	27 JAN 98
01-495-7	WDI-GMW29-05	27 JAN 98

PARAMETER	01-495-6	01-495-7
2-Fluorophenol Theoretical, ug/L	75.0	75.0
2,4,6-Tribromophenol Rep., ug/L	72.9	70.7
2,4,6-Tribromophenol Theo., ug/L	75.0	75.0
Nitrobenzene-d5 Reported, ug/L	39.6	38.3
Nitrobenzene-d5 Theoretical, ug/L	50.0	50.0
Phenol-d5 Reported, ug/L	40.9	41.0
Phenol-d5 Theoretical, ug/L	75.0	75.0
Terphenyl-d14 Reported, ug/L	42.0	41.3
Terphenyl-d14 Theoretical, ug/L	50.0	50.0

LOG NO: G98-01-495

Received: 27 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-495-6	WDI-GMW30-05	27 JAN 98
01-495-7	WDI-GMW29-05	27 JAN 98

PARAMETER	01-495-6	01-495-7
Volatile Organics (8260A)		
Date Analyzed	02/10/98	02/10/98
Dilution Factor, Times	1	1
1,1,1-Trichloroethane, ug/L	<0.5	<0.5
1,1,2,2-Tetrachloroethane, ug/L	<0.5	<0.5
1,1,2-Trichloroethane, ug/L	<0.5	<0.5
1,1-Dichloroethane, ug/L	<0.5	<0.5
1,1-Dichloroethene, ug/L	<0.5	<0.5
1,2-Dibromoethane, ug/L	<0.5	<0.5
1,2-Dichloroethane, ug/L	<0.5	<0.5
1,2-Dichloropropane, ug/L	<0.5	<0.5
2-Chloroethylvinylether, ug/L	<4	<4
2-Hexanone, ug/L	<5	<5
Acetone, ug/L	<10	<10
Bromodichloromethane, ug/L	<0.5	<0.5
Bromomethane, ug/L	<0.5	<0.5
Benzene, ug/L	<0.5	<0.5
Bromoform, ug/L	<0.5	<0.5
Carbon Tetrachloride, ug/L	<0.5	<0.5
Chloroethane, ug/L	<0.5	<0.5
Chloroform, ug/L	<0.5	<0.5
Chloromethane, ug/L	<1	<1
Carbon Disulfide, ug/L	<2	<2
Dibromochloromethane, ug/L	<0.5	<0.5
Methyl ethyl ketone, ug/L	<10	<10
Methyl isobutyl ketone, ug/L	<4	<4

LOG NO: G98-01-495

Received: 27 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-495-6	WDI-GMW30-05	27 JAN 98
01-495-7	WDI-GMW29-05	27 JAN 98

PARAMETER	01-495-6	01-495-7
Methylene chloride, ug/L	<2	<2
Trichloroethene, ug/L	<0.5	<0.5
Tetrachloroethene, ug/L	<0.5	<0.5
Vinyl acetate, ug/L	<5	<5
Vinyl chloride, ug/L	<0.5	<0.5
cis-1,2-Dichloroethene, ug/L	<0.5	<0.5
cis-1,3-Dichloropropene, ug/L	<0.5	<0.5
trans-1,2-Dichloroethene, ug/L	<0.5	<0.5
trans-1,3-Dichloropropene, ug/L	<0.5	<0.5
Surrogates **		
4-Bromofluorobenzene Rep., ug/L	45.9	50.0
4-Bromofluorobenzene Theo., ug/L	50.0	50.0
Toluene-d8 Reported, ug/L	47.8	47.4
Toluene-d8 Theo., ug/L	50.0	50.0
Dibromofluoromethane Rep., ug/L	49.6	48.5
Dibromofluoromethane Theo., ug/L	50.0	50.0

LOG NO: G98-01-495

Received: 27 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-495-8	WD1-BMWTB15-05	27 JAN 98

PARAMETER	01-495-8
Volatile Organics (8260A)	
Date Analyzed	02/10/98
Dilution Factor, Times	1
1,1,1-Trichloroethane, ug/L	<0.5
1,1,2,2-Tetrachloroethane, ug/L	<0.5
1,1,2-Trichloroethane, ug/L	<0.5
1,1-Dichloroethane, ug/L	<0.5
1,1-Dichloroethene, ug/L	<0.5
1,2-Dibromoethane, ug/L	<0.5
1,2-Dichloroethane, ug/L	<0.5
1,2-Dichloropropane, ug/L	<0.5
2-Chloroethylvinylether, ug/L	<4
2-Hexanone, ug/L	<5
Acetone, ug/L	<10
Bromodichloromethane, ug/L	<0.5
Bromomethane, ug/L	<0.5
Benzene, ug/L	<0.5
Bromoform, ug/L	<0.5
Carbon Tetrachloride, ug/L	<0.5
Chloroethane, ug/L	<0.5
Chloroform, ug/L	<0.5
Chloromethane, ug/L	<1
Carbon Disulfide, ug/L	<2
Dibromochloromethane, ug/L	<0.5
Methyl ethyl ketone, ug/L	<10
Methyl isobutyl ketone, ug/L	<4
Methylene chloride, ug/L	<2

LOG NO: G98-01-495

Received: 27 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-495-8	WD1-BMWTB15-05	27 JAN 98

PARAMETER	01-495-8
Trichloroethene, ug/L	<0.5
Tetrachloroethene, ug/L	<0.5
Vinyl acetate, ug/L	<5
Vinyl chloride, ug/L	<0.5
cis-1,2-Dichloroethene, ug/L	<0.5
cis-1,3-Dichloropropene, ug/L	<0.5
trans-1,2-Dichloroethene, ug/L	<0.5
trans-1,3-Dichloropropene, ug/L	<0.5
Surrogates **	
4-Bromofluorobenzene Rep., ug/L	46.3
4-Bromofluorobenzene Theo., ug/L	50.0
Toluene-d8 Reported, ug/L	48.0
Toluene-d8 Theo., ug/L	50.0
Dibromofluoromethane Rep., ug/L	48.1
Dibromofluoromethane Theo., ug/L	50.0

LOG NO: G98-01-495

Received: 27 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-495-9	WDI-GMW15-05 Unfilter	27 JAN 98
01-495-10	WDI-GMW16-05 Unfilter	27 JAN 98
01-495-11	WDI-GMW13-05 Unfilter	27 JAN 98
01-495-12	WDI-GMW04-05 Unfilter	27 JAN 98
01-495-13	WDI-GMW31-05 Unfilter	27 JAN 98

PARAMETER	01-495-9	01-495-10	01-495-11	01-495-12	01-495-13
Digestion (3005), Date	02/10/98	02/10/98	02/10/98	02/10/98	02/10/98
Furnace Digestion (3020), Date	02/10/98	02/10/98	02/10/98	02/10/98	02/10/98
Arsenic (7060), mg/L	<0.002	<0.002	<0.002	<0.002	<0.002
Antimony (6010), mg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Barium (6010), mg/L	0.024	0.022	0.023	0.029	0.031
Beryllium (6010), mg/L	<0.001	<0.001	<0.001	<0.001	<0.001
Cadmium (7131), mg/L	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium (6010), mg/L	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (6010), mg/L	<0.04	<0.04	<0.04	<0.04	<0.04
Copper (6010), mg/L	<0.02	<0.02	<0.02	<0.02	<0.02
Lead (7421), mg/L	<0.002	<0.002	<0.002	<0.002	<0.002
Mercury (7470), mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (6010), mg/L	<0.02	<0.02	<0.02	<0.02	<0.02
Nickel (6010), mg/L	<0.04	<0.04	<0.04	<0.04	<0.04
Selenium (7740), mg/L	0.021	0.021	0.0051	0.014	0.015
Silver (6010), mg/L	<0.01	<0.01	<0.01	<0.01	<0.01
Thallium (6010), mg/L	<0.07	<0.07	<0.07	<0.07	<0.07
Vanadium (6010), mg/L	<0.04	<0.04	<0.04	<0.04	<0.04
Zinc (6010), mg/L	<0.01	<0.01	<0.01	<0.01	<0.01
Aluminum (6010), mg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium (6010), mg/L	290	280	270	320	280
Iron (6010), mg/L	0.051	0.093	<0.04	0.15	0.16

LOG NO: G98-01-495

Received: 27 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-495-14	WDI-GMW30-05 Unfilter	27 JAN 98
01-495-15	WDI-GMW29-05 Unfilter	27 JAN 98

PARAMETER	01-495-14	01-495-15	
Digestion (3005), Date	02/10/98	02/10/98	
Furnace Digestion (3020), Date	02/10/98	02/10/98	
Arsenic (7060), mg/L	<0.002	<0.002	
Antimony (6010), mg/L	<0.1	<0.1	
Barium (6010), mg/L	0.037	0.022	
Beryllium (6010), mg/L	<0.001	<0.001	
Cadmium (7131), mg/L	<0.001	<0.001	
Chromium (6010), mg/L	<0.01	<0.01	
Cobalt (6010), mg/L	<0.04	<0.04	
Copper (6010), mg/L	<0.02	<0.02	
Lead (7421), mg/L	<0.002	<0.002	
Mercury (7470), mg/L	<0.0002	<0.0002	
Molybdenum (6010), mg/L	<0.02	<0.02	
Nickel (6010), mg/L	<0.04	<0.04	
Selenium (7740), mg/L	0.023	0.020	
Silver (6010), mg/L	<0.01	<0.01	
Thallium (6010), mg/L	<0.07	<0.07	
Vanadium (6010), mg/L	<0.04	<0.04	
Zinc (6010), mg/L	<0.01	<0.01	
Aluminum (6010), mg/L	0.16	<0.1	
Calcium (6010), mg/L	95	240	
Iron (6010), mg/L	0.47	0.12	

LOG NO: G98-01-495

Received: 27 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-495-16	WDI-MWFR31-05	27 JAN 98

PARAMETER	01-495-16
Sample Held, Not Analyzed	HOLD

Fred Haley, Laboratory Director

The analytical results within this report relate only to the specific compounds and samples investigated and may not necessarily reflect other apparently similar material from the same or a similar location.

This report shall not be reproduced, except in full, without the written approval of VOC. No use of this report for promotional or advertising purposes is permitted without prior written VOC approval.

: ORDER PLACED FOR CLIENT: Environmental Solutions, Inc. 9801495 :
: VOC ANALYTICAL : GLEN LAB : 07:02:18 17 MAR 1998 - P. 1 :

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
9801495*1	WDI-GMW15-05	DIG,AQ.HCL	02.10.98	3005		98422	7620
		DIG,AQ,GFA	02.10.98	3020		98420	7620
		AS,GFA	02.11.98	7060	534-07	98420	1003
		SB	02.11.98	6010	535-02	98422	1002
		BA	02.11.98	6010	535-02	98422	1002
		BE	02.11.98	6010	535-02	98422	1002
		CD,GFA	02.11.98	7131	534-04	98420	1003
		CR	02.11.98	6010	535-02	98422	1002
		CO	02.11.98	6010	535-02	98422	1002
		CU	02.11.98	6010	535-02	98422	1002
		PB,GFA	02.11.98	7421	534-07	98420	1003
		HG	02.07.98	7470	534-06	98378	1003
		MO	02.11.98	6010	535-02	98422	1002
		NI	02.11.98	6010	535-02	98422	1002
		SE,GFA	02.11.98	7740	534-07	98420	1003
		AG	02.11.98	6010	535-02	98422	1002
		TL	02.11.98	6010	535-02	98422	1002
		V	02.11.98	6010	535-02	98422	1002
		ZN	02.11.98	6010	535-02	98422	1002
		AL	02.11.98	6010	535-02	98422	1002
		CA	02.11.98	6010	535-02	98422	1002
		FE	02.11.98	6010	535-02	98422	1002
		BNA.8270.HSL	02.17.98	8270	537-14	9821	1009
		VOA,8260.WDI	02.09.98	8260A	537-06	986031	
9801495*2	WDI-GMW16-05	DIG,AQ.HCL	02.10.98	3005		98422	7620
		DIG,AQ,GFA	02.10.98	3020		98420	7620
		AS,GFA	02.11.98	7060	534-07	98420	1003
		SB	02.11.98	6010	535-02	98422	1002
		BA	02.11.98	6010	535-02	98422	1002
		BE	02.11.98	6010	535-02	98422	1002
		CD,GFA	02.11.98	7131	534-04	98420	1003
		CR	02.11.98	6010	535-02	98422	1002
		CO	02.11.98	6010	535-02	98422	1002
		CU	02.11.98	6010	535-02	98422	1002
		PB,GFA	02.11.98	7421	534-07	98420	1003
		HG	02.07.98	7470	534-06	98378	1003
		MO	02.11.98	6010	535-02	98422	1002
		NI	02.11.98	6010	535-02	98422	1002
		SE,GFA	02.11.98	7740	534-07	98420	1003
		AG	02.11.98	6010	535-02	98422	1002
		TL	02.11.98	6010	535-02	98422	1002
		V	02.11.98	6010	535-02	98422	1002
		ZN	02.11.98	6010	535-02	98422	1002
		AL	02.11.98	6010	535-02	98422	1002

Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.

ID.NO = VOC Analytical employee identification number of analyst.

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
		CA	02.11.98	6010	535-02	98422	1002
		FE	02.11.98	6010	535-02	98422	1002
		BNA.8270.HSL	02.17.98	8270	537-14	9821	1009
		VOA,8260.WDI	02.09.98	8260A	537-06	986031	
9801495*3	WDI-GMW13-05	DIG,AQ.HCL	02.10.98	3005		98422	7620
		DIG,AQ,GFA	02.10.98	3020		98420	7620
		AS,GFA	02.11.98	7060	534-07	98420	1003
		SB	02.11.98	6010	535-02	98422	1002
		BA	02.11.98	6010	535-02	98422	1002
		BE	02.11.98	6010	535-02	98422	1002
		CD,GFA	02.11.98	7131	534-04	98420	1003
		CR	02.11.98	6010	535-02	98422	1002
		CO	02.11.98	6010	535-02	98422	1002
		CU	02.11.98	6010	535-02	98422	1002
		PB,GFA	02.11.98	7421	534-07	98420	1003
		HG	02.07.98	7470	534-06	98378	1003
		MO	02.11.98	6010	535-02	98422	1002
		NI	02.11.98	6010	535-02	98422	1002
		SE,GFA	02.11.98	7740	534-07	98420	1003
		AG	02.11.98	6010	535-02	98422	1002
		TL	02.11.98	6010	535-02	98422	1002
		V	02.11.98	6010	535-02	98422	1002
		ZN	02.11.98	6010	535-02	98422	1002
		AL	02.11.98	6010	535-02	98422	1002
		CA	02.11.98	6010	535-02	98422	1002
		FE	02.11.98	6010	535-02	98422	1002
		BNA.8270.HSL	02.19.98	8270	537-14	9821	1009
		VOA,8260.WDI	02.09.98	8260A	537-06	986031	
9801495*4	WDI-GMW04-05	DIG,AQ.HCL	02.10.98	3005		98422	7620
		DIG,AQ,GFA	02.10.98	3020		98420	7620
		AS,GFA	02.11.98	7060	534-07	98420	1003
		SB	02.11.98	6010	535-02	98422	1002
		BA	02.11.98	6010	535-02	98422	1002
		BE	02.11.98	6010	535-02	98422	1002
		CD,GFA	02.11.98	7131	534-04	98420	1003
		CR	02.11.98	6010	535-02	98422	1002
		CO	02.11.98	6010	535-02	98422	1002
		CU	02.11.98	6010	535-02	98422	1002
		PB,GFA	02.11.98	7421	534-07	98420	1003
		HG	02.07.98	7470	534-06	98378	1003
		MO	02.11.98	6010	535-02	98422	1002
		NI	02.11.98	6010	535-02	98422	1002
		SE,GFA	02.11.98	7740	534-07	98420	1003
		AG	02.11.98	6010	535-02	98422	1002

Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.

ID.NO = VOC Analytical employee identification number of analyst.

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
		TL	02.11.98	6010	535-02	98422	1002
		V	02.11.98	6010	535-02	98422	1002
		ZN	02.11.98	6010	535-02	98422	1002
		AL	02.11.98	6010	535-02	98422	1002
		CA	02.11.98	6010	535-02	98422	1002
		FE	02.11.98	6010	535-02	98422	1002
		BNA.8270.HSL	02.19.98	8270	537-14	9821	1009
		VOA,8260.WDI	02.09.98	8260A	537-06	986031	
9801495*5	WDI-GMW31-05	DIG,AQ.HCL	02.10.98	3005		98422	7620
		DIG,AQ,GFA	02.10.98	3020		98420	7620
		AS,GFA	02.11.98	7060	534-07	98420	1003
		SB	02.11.98	6010	535-02	98422	1002
		BA	02.11.98	6010	535-02	98422	1002
		BE	02.11.98	6010	535-02	98422	1002
		CD,GFA	02.11.98	7131	534-04	98420	1003
		CR	02.11.98	6010	535-02	98422	1002
		CO	02.11.98	6010	535-02	98422	1002
		CU	02.11.98	6010	535-02	98422	1002
		PB,GFA	02.11.98	7421	534-07	98420	1003
		HG	02.07.98	7470	534-06	98378	1003
		MO	02.11.98	6010	535-02	98422	1002
		NI	02.11.98	6010	535-02	98422	1002
		SE,GFA	02.11.98	7740	534-07	98420	1003
		AG	02.11.98	6010	535-02	98422	1002
		TL	02.11.98	6010	535-02	98422	1002
		V	02.11.98	6010	535-02	98422	1002
		ZN	02.11.98	6010	535-02	98422	1002
		AL	02.11.98	6010	535-02	98422	1002
		CA	02.11.98	6010	535-02	98422	1002
		FE	02.11.98	6010	535-02	98422	1002
		BNA.8270.HSL	02.19.98	8270	537-14	9821	1009
		VOA,8260.WDI	02.10.98	8260A	537-06	986031	
9801495*6	WDI-GMW30-05	DIG,AQ.HCL	02.10.98	3005		98422	7620
		DIG,AQ,GFA	02.10.98	3020		98420	7620
		AS,GFA	02.11.98	7060	534-07	98420	1003
		SB	02.11.98	6010	535-02	98422	1002
		BA	02.11.98	6010	535-02	98422	1002
		BE	02.11.98	6010	535-02	98422	1002
		CD,GFA	02.11.98	7131	534-04	98420	1003
		CR	02.11.98	6010	535-02	98422	1002
		CO	02.11.98	6010	535-02	98422	1002
		CU	02.11.98	6010	535-02	98422	1002
		PB,GFA	02.11.98	7421	534-07	98420	1003
		HG	02.07.98	7470	534-06	98378	1003

Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.

ID.NO = VOC Analytical employee identification number of analyst.

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
		MO	02.11.98	6010	535-02	98422	1002
		NI	02.11.98	6010	535-02	98422	1002
		SE,GFA	02.11.98	7740	534-07	98420	1003
		AG	02.11.98	6010	535-02	98422	1002
		TL	02.11.98	6010	535-02	98422	1002
		V	02.11.98	6010	535-02	98422	1002
		ZN	02.11.98	6010	535-02	98422	1002
		AL	02.11.98	6010	535-02	98422	1002
		CA	02.11.98	6010	535-02	98422	1002
		FE	02.11.98	6010	535-02	98422	1002
		BNA.8270.HSL	02.19.98	8270	537-14	9821	1009
		VOA,8260.WDI	02.10.98	8260A	537-06	986031	
9801495*7	WDI-GMW29-05	DIG,AQ.HCL	02.10.98	3005		98422	7620
		DIG,AQ,GFA	02.10.98	3020		98420	7620
		AS,GFA	02.11.98	7060	534-07	98420	1003
		SB	02.11.98	6010	535-02	98422	1002
		BA	02.11.98	6010	535-02	98422	1002
		BE	02.11.98	6010	535-02	98422	1002
		CD,GFA	02.11.98	7131	534-04	98420	1003
		CR	02.11.98	6010	535-02	98422	1002
		CO	02.11.98	6010	535-02	98422	1002
		CU	02.11.98	6010	535-02	98422	1002
		PB,GFA	02.11.98	7421	534-07	98420	1003
		HG	02.07.98	7470	534-06	98378	1003
		MO	02.11.98	6010	535-02	98422	1002
		NI	02.11.98	6010	535-02	98422	1002
		SE,GFA	02.11.98	7740	534-07	98420	1003
		AG	02.11.98	6010	535-02	98422	1002
		TL	02.11.98	6010	535-02	98422	1002
		V	02.11.98	6010	535-02	98422	1002
		ZN	02.11.98	6010	535-02	98422	1002
		AL	02.11.98	6010	535-02	98422	1002
		CA	02.11.98	6010	535-02	98422	1002
		FE	02.11.98	6010	535-02	98422	1002
		BNA.8270.HSL	02.19.98	8270	537-14	9821	1009
		VOA,8260.WDI	02.10.98	8260A	537-06	986031	
9801495*8	WD1-BMWTB15-05	VOA,8260.WDI	02.10.98	8260A	537-06	986031	
9801495*9	WDI-GMW15-05 Unfilter	DIG,AQ.HCL	02.10.98	3005		98422	7620
		DIG,AQ,GFA	02.10.98	3020		98420	7620
		AS,GFA	02.11.98	7060	534-07	98420	1003
		SB	02.11.98	6010	535-02	98422	1002
		BA	02.11.98	6010	535-02	98422	1002
		BE	02.11.98	6010	535-02	98422	1002

Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.

ID.NO = VOC Analytical employee identification number of analyst.

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
		CD,GFA	02.11.98	7131	534-04	98420	1003
		CR	02.11.98	6010	535-02	98422	1002
		CO	02.11.98	6010	535-02	98422	1002
		CU	02.11.98	6010	535-02	98422	1002
		PB,GFA	02.11.98	7421	534-07	98420	1003
		HG	02.07.98	7470	534-06	98378	1003
		MO	02.11.98	6010	535-02	98422	1002
		NI	02.11.98	6010	535-02	98422	1002
		SE,GFA	02.11.98	7740	534-07	98420	1003
		AG	02.11.98	6010	535-02	98422	1002
		TL	02.11.98	6010	535-02	98422	1002
		V	02.11.98	6010	535-02	98422	1002
		ZN	02.11.98	6010	535-02	98422	1002
		AL	02.11.98	6010	535-02	98422	1002
		CA	02.11.98	6010	535-02	98422	1002
		FE	02.11.98	6010	535-02	98422	1002
9801495*10	WDI-GMW16-05 Unfilter	DIG,AQ.HCL	02.10.98	3005		98422	7620
		DIG,AQ,GFA	02.10.98	3020		98420	7620
		AS,GFA	02.11.98	7060	534-07	98420	1003
		SB	02.11.98	6010	535-02	98422	1002
		BA	02.11.98	6010	535-02	98422	1002
		BE	02.11.98	6010	535-02	98422	1002
		CD,GFA	02.11.98	7131	534-04	98420	1003
		CR	02.11.98	6010	535-02	98422	1002
		CO	02.11.98	6010	535-02	98422	1002
		CU	02.11.98	6010	535-02	98422	1002
		PB,GFA	02.11.98	7421	534-07	98420	1003
		HG	02.07.98	7470	534-06	98378	1003
		MO	02.11.98	6010	535-02	98422	1002
		NI	02.11.98	6010	535-02	98422	1002
		SE,GFA	02.11.98	7740	534-07	98420	1003
		AG	02.11.98	6010	535-02	98422	1002
		TL	02.11.98	6010	535-02	98422	1002
		V	02.11.98	6010	535-02	98422	1002
		ZN	02.11.98	6010	535-02	98422	1002
		AL	02.11.98	6010	535-02	98422	1002
		CA	02.11.98	6010	535-02	98422	1002
		FE	02.11.98	6010	535-02	98422	1002
9801495*11	WDI-GMW13-05 Unfilter	DIG,AQ.HCL	02.10.98	3005		98422	7620
		DIG,AQ,GFA	02.10.98	3020		98420	7620
		AS,GFA	02.11.98	7060	534-07	98420	1003
		SB	02.11.98	6010	535-02	98422	1002

Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.

ID.NO = VOC Analytical employee identification number of analyst.

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
		BA	02.11.98	6010	535-02	98422	1002
		BE	02.11.98	6010	535-02	98422	1002
		CD,GFA	02.11.98	7131	534-04	98420	1003
		CR	02.11.98	6010	535-02	98422	1002
		CO	02.11.98	6010	535-02	98422	1002
		CU	02.11.98	6010	535-02	98422	1002
		PB,GFA	02.11.98	7421	534-07	98420	1003
		HG	02.07.98	7470	534-06	98378	1003
		MO	02.11.98	6010	535-02	98422	1002
		NI	02.11.98	6010	535-02	98422	1002
		SE,GFA	02.11.98	7740	534-07	98420	1003
		AG	02.11.98	6010	535-02	98422	1002
		TL	02.11.98	6010	535-02	98422	1002
		V	02.11.98	6010	535-02	98422	1002
		ZN	02.11.98	6010	535-02	98422	1002
		AL	02.11.98	6010	535-02	98422	1002
		CA	02.11.98	6010	535-02	98422	1002
		FE	02.11.98	6010	535-02	98422	1002
9801495*12	WDI-GMW04-05 Unfilter	DIG,AQ.HCL	02.10.98	3005		98422	7620
		DIG,AQ,GFA	02.10.98	3020		98420	7620
		AS,GFA	02.11.98	7060	534-07	98420	1003
		SB	02.11.98	6010	535-02	98422	1002
		BA	02.11.98	6010	535-02	98422	1002
		BE	02.11.98	6010	535-02	98422	1002
		CD,GFA	02.11.98	7131	534-04	98420	1003
		CR	02.11.98	6010	535-02	98422	1002
		CO	02.11.98	6010	535-02	98422	1002
		CU	02.11.98	6010	535-02	98422	1002
		PB,GFA	02.11.98	7421	534-07	98420	1003
		HG	02.07.98	7470	534-06	98378	1003
		MO	02.11.98	6010	535-02	98422	1002
		NI	02.11.98	6010	535-02	98422	1002
		SE,GFA	02.11.98	7740	534-07	98420	1003
		AG	02.11.98	6010	535-02	98422	1002
		TL	02.11.98	6010	535-02	98422	1002
		V	02.11.98	6010	535-02	98422	1002
		ZN	02.11.98	6010	535-02	98422	1002
		AL	02.11.98	6010	535-02	98422	1002
		CA	02.11.98	6010	535-02	98422	1002
		FE	02.11.98	6010	535-02	98422	1002
9801495*13	WDI-GMW31-05 Unfilter	DIG,AQ.HCL	02.10.98	3005		98422	7620
		DIG,AQ,GFA	02.10.98	3020		98420	7620

Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.

ID.NO = VOC Analytical employee identification number of analyst.

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
		AS,GFA	02.11.98	7060	534-07	98420	1003
		SB	02.11.98	6010	535-02	98422	1002
		BA	02.11.98	6010	535-02	98422	1002
		BE	02.11.98	6010	535-02	98422	1002
		CD,GFA	02.11.98	7131	534-04	98420	1003
		CR	02.11.98	6010	535-02	98422	1002
		CO	02.11.98	6010	535-02	98422	1002
		CU	02.11.98	6010	535-02	98422	1002
		PB,GFA	02.11.98	7421	534-07	98420	1003
		HG	02.07.98	7470	534-06	98378	1003
		MO	02.11.98	6010	535-02	98422	1002
		NI	02.11.98	6010	535-02	98422	1002
		SE,GFA	02.11.98	7740	534-07	98420	1003
		AG	02.11.98	6010	535-02	98422	1002
		TL	02.11.98	6010	535-02	98422	1002
		V	02.11.98	6010	535-02	98422	1002
		ZN	02.11.98	6010	535-02	98422	1002
		AL	02.11.98	6010	535-02	98422	1002
		CA	02.11.98	6010	535-02	98422	1002
		FE	02.11.98	6010	535-02	98422	1002
9801495*14	WDI-GMW30-05 Unfilter	DIG,AQ.HCL	02.10.98	3005		98422	7620
		DIG,AQ,GFA	02.10.98	3020		98420	7620
		AS,GFA	02.11.98	7060	534-07	98420	1003
		SB	02.11.98	6010	535-02	98422	1002
		BA	02.11.98	6010	535-02	98422	1002
		BE	02.11.98	6010	535-02	98422	1002
		CD,GFA	02.11.98	7131	534-04	98420	1003
		CR	02.11.98	6010	535-02	98422	1002
		CO	02.11.98	6010	535-02	98422	1002
		CU	02.11.98	6010	535-02	98422	1002
		PB,GFA	02.11.98	7421	534-07	98420	1003
		HG	02.07.98	7470	534-06	98378	1003
		MO	02.11.98	6010	535-02	98422	1002
		NI	02.11.98	6010	535-02	98422	1002
		SE,GFA	02.11.98	7740	534-07	98420	1003
		AG	02.11.98	6010	535-02	98422	1002
		TL	02.11.98	6010	535-02	98422	1002
		V	02.11.98	6010	535-02	98422	1002
		ZN	02.11.98	6010	535-02	98422	1002
		AL	02.11.98	6010	535-02	98422	1002
		CA	02.11.98	6010	535-02	98422	1002
		FE	02.11.98	6010	535-02	98422	1002
9801495*15	WDI-GMW29-05	DIG,AQ.HCL	02.10.98	3005		98422	7620

Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.

ID.NO = VOC Analytical employee identification number of analyst.

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
	Unfilter						
		DIG,AQ,GFA	02.10.98	3020		98420	7620
		AS,GFA	02.11.98	7060	534-07	98420	1003
		SB	02.11.98	6010	535-02	98422	1002
		BA	02.11.98	6010	535-02	98422	1002
		BE	02.11.98	6010	535-02	98422	1002
		CD,GFA	02.11.98	7131	534-04	98420	1003
		CR	02.11.98	6010	535-02	98422	1002
		CO	02.11.98	6010	535-02	98422	1002
		CU	02.11.98	6010	535-02	98422	1002
		PB,GFA	02.11.98	7421	534-07	98420	1003
		HG	02.07.98	7470	534-06	98378	1003
		MO	02.11.98	6010	535-02	98422	1002
		NI	02.11.98	6010	535-02	98422	1002
		SE,GFA	02.11.98	7740	534-07	98420	1003
		AG	02.11.98	6010	535-02	98422	1002
		TL	02.11.98	6010	535-02	98422	1002
		V	02.11.98	6010	535-02	98422	1002
		ZN	02.11.98	6010	535-02	98422	1002
		AL	02.11.98	6010	535-02	98422	1002
		CA	02.11.98	6010	535-02	98422	1002
		FE	02.11.98	6010	535-02	98422	1002
9801495*16	WDI-MWFR31-05	HOLD	03.17.98				8165

***

Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.

ID.NO = VOC Analytical employee identification number of analyst.

AQUEOUS SAMPLES		METHOD BLANK			LAB CONTROL								MATRIX QC								
					LCS		LCSD				RPD	RPD	MS		MSD				RPD	RPD	
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: HG*98378 Method: 7470 - Mercury (Liquid), Cold Vapor AA, Manual																						
Mercury	mg/L	0	0.0002	-	115	-	115	-	71	123	0	-	-	115	-	115	-	28	164	0	20	-
Batch: AS,GFA*98420 Method: 7060 - Arsenic, AA, Furnace																						
Arsenic	mg/L	0	0.002	-	89	-	92	-	74	124	3	-	-	65	-	85	-	48	140	10	20	-
Batch: CD,GFA*98420 Method: 7131 - Cadmium, AA, Furnace																						
Cadmium	mg/L	0	0.001	-	85	-	86	-	78	125	1	-	-	87	-	88	-	63	155	2	20	-
Batch: PB,GFA*98420 Method: 7421 - Lead, AA, Furnace																						
Lead	mg/L	0.0015	0.002	-	90	-	90	-	77	124	0	-	-	102	-	105	-	40	156	3	20	-
Batch: SE,GFA*98420 Method: 7740 - Selenium, AA, Furnace																						
Selenium	mg/L	0	0.004	-	95	-	96	-	76	118	1	-	-	57	-	57	-	10	143	0	20	-
Batch: AG*98422 Method: 6010 - ICAP Metals																						
Silver	mg/L	0.002	0.01	-	82	-	90	-	80	120	9	-	-	71	Q	72	Q	80	120	1	20	-
Aluminum	mg/L	0	0.1	-	82	-	-	-	80	120	-	-	-	89	-	89	-	80	120	1	20	-
Barium	mg/L	0.0011	0.005	-	81	-	89	-	80	120	9	-	-	90	-	91	-	80	120	1	20	-
Beryllium	mg/L	0	0.001	-	83	-	91	-	80	120	9	-	-	90	-	89	-	80	120	1	20	-
Calcium	mg/L	0	0.5	-	86	-	95	-	80	120	9	-	-	-	NC	-	NC	80	120	-	20	NC
Cobalt	mg/L	0	0.04	-	84	-	91	-	80	120	9	-	-	90	-	90	-	80	120	1	20	-
Chromium	mg/L	0.002	0.01	-	83	-	92	-	80	120	10	-	-	89	-	89	-	80	120	0	20	-
Copper	mg/L	0	0.02	-	86	-	-	-	80	120	-	-	-	88	-	88	-	80	120	0	20	-
Iron	mg/L	0.012	0.04	-	88	-	94	-	80	120	6	-	-	89	-	89	-	80	120	0	20	-
Molybdenum	mg/L	0.006	0.02	-	83	-	92	-	80	120	10	-	-	90	-	90	-	80	120	0	20	-
Nickel	mg/L	0	0.04	-	86	-	94	-	80	120	9	-	-	93	-	95	-	80	120	1	20	-
Antimony	mg/L	0.02	0.1	-	87	-	96	-	80	120	11	-	-	92	-	92	-	80	120	0	20	-
Thallium	mg/L	0.017	0.07	-	83	-	89	-	80	120	7	-	-	88	-	89	-	80	120	1	20	-
Vanadium	mg/L	0	0.04	-	80	-	88	-	80	120	9	-	-	89	-	89	-	80	120	0	20	-
Zinc	mg/L	0	0.01	-	81	-	88	-	80	120	8	-	-	92	-	94	-	80	120	2	20	-

AQUEOUS SAMPLES		METHOD BLANK			LAB CONTROL									MATRIX QC									
					LCS		LCSD					RPD	RPD	MS		MSD				RPD	RPD		
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	
Batch: VOA,8260*986031 Method: 8260A - Volatile Organics, GCMS																							
1,1,1-Trichloroethane	ug/L	0	0.5	-	113	-	115	-	71	132	2	30	-	-	-	-	-	-	-	-	-	-	
1,1,2,2-Tetrachloroethane	ug/L	0	0.5	-	90	-	90	-	50	134	0	30	-	-	-	-	-	-	-	-	-	-	
1,1,2-Trichloroethane	ug/L	0	0.5	-	103	-	106	-	67	133	3	30	-	-	-	-	-	-	-	-	-	-	
1,1-Dichloroethane	ug/L	0	0.5	-	92	-	92	-	49	135	0	30	-	-	-	-	-	-	-	-	-	-	
1,1-Dichloroethene	ug/L	0	0.5	-	87	-	83	-	48	146	4	30	-	-	-	-	-	-	-	-	-	-	
1,2-Dibromoethane	ug/L	0	0.5	-	108	-	107	-	56	142	1	30	-	-	-	-	-	-	-	-	-	-	
1,2-Dichloroethane	ug/L	0	0.5	-	113	-	115	-	68	129	2	30	-	-	-	-	-	-	-	-	-	-	
1,2-Dichloropropane	ug/L	0	0.5	-	91	-	91	-	68	127	0	30	-	-	-	-	-	-	-	-	-	-	
2-Chloroethylvinylether	ug/L	0	4	-	76	-	75	-	1	214	1	-	-	-	-	-	-	-	-	-	-	-	
2-Hexanone	ug/L	0	5	-	93	-	90	-	20	149	3	52	-	-	-	-	-	-	-	-	-	-	
Acetone	ug/L	0	10	-	98	-	32	-	32	176	101	51	Q	-	-	-	-	-	-	-	-	-	
Bromodichloromethane	ug/L	0	0.5	-	112	-	113	-	69	132	1	30	-	-	-	-	-	-	-	-	-	-	
Bromomethane	ug/L	0	0.5	-	101	-	96	-	55	146	5	30	-	-	-	-	-	-	-	-	-	-	
Benzene	ug/L	0	0.5	-	94	-	96	-	72	124	1	30	-	-	-	-	-	-	-	-	-	-	
Bromoform	ug/L	0	0.5	-	106	-	107	-	53	148	1	30	-	-	-	-	-	-	-	-	-	-	
Carbon Tetrachloride	ug/L	0	0.5	-	115	-	119	-	70	140	3	30	-	-	-	-	-	-	-	-	-	-	
Chloroethane	ug/L	0	0.5	-	83	-	79	-	52	137	5	30	-	-	-	-	-	-	-	-	-	-	
Chloroform	ug/L	0	0.5	-	100	-	102	-	77	128	2	30	-	-	-	-	-	-	-	-	-	-	
Chloromethane	ug/L	0	1	-	71	-	75	-	37	129	5	30	-	-	-	-	-	-	-	-	-	-	
Carbon Disulfide	ug/L	0	2	-	83	-	58	-	37	140	37	-	-	-	-	-	-	-	-	-	-	-	
Dibromochloromethane	ug/L	0	0.5	-	129	-	132	-	65	142	2	30	-	-	-	-	-	-	-	-	-	-	
Methyl ethyl ketone	ug/L	0	10	-	108	-	104	-	5	153	4	50	-	-	-	-	-	-	-	-	-	-	
Methyl isobutyl ketone	ug/L	0	4	-	103	-	105	-	16	150	2	49	-	-	-	-	-	-	-	-	-	-	
Methylene chloride	ug/L	0	2	-	95	-	94	-	51	139	1	30	-	-	-	-	-	-	-	-	-	-	
Trichloroethene	ug/L	0	0.5	-	105	-	105	-	71	135	1	30	-	-	-	-	-	-	-	-	-	-	
Tetrachloroethene	ug/L	0	0.5	-	105	-	106	-	67	145	1	30	-	-	-	-	-	-	-	-	-	-	
Vinyl acetate	ug/L	0	5	-	110	-	108	-	24	143	2	-	-	-	-	-	-	-	-	-	-	-	
Vinyl chloride	ug/L	0	0.5	-	86	-	88	-	48	140	2	30	-	-	-	-	-	-	-	-	-	-	
cis-1,2-Dichloroethene	ug/L	0	0.5	-	99	-	100	-	54	143	1	30	-	-	-	-	-	-	-	-	-	-	
cis-1,3-Dichloropropene	ug/L	0	0.5	-	101	-	102	-	66	129	1	30	-	-	-	-	-	-	-	-	-	-	
trans-1,2-Dichloroethene	ug/L	0	0.5	-	102	-	101	-	48	134	1	30	-	-	-	-	-	-	-	-	-	-	
trans-1,3-Dichloropropene	ug/L	0	0.5	-	106	-	108	-	66	130	2	30	-	-	-	-	-	-	-	-	-	-	
[4-Bromofluorobenzene]	Percent	93	-	-	95	-	95	-	75	125	-	-	-	-	-	-	-	-	-	-	-	-	
[Toluene-d8]	Percent	94	-	-	95	-	96	-	80	120	-	-	-	-	-	-	-	-	-	-	-	-	
[Dibromofluoromethane]	Percent	101	-	-	102	-	102	-	75	120	-	-	-	-	-	-	-	-	-	-	-	-	

AQUEOUS SAMPLES	------ METHOD BLANK ------				---------- LAB CONTROL ----------									---------- MATRIX QC ----------								
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: BNA*9821 Method: 8270 - GC/MS for Semivolatile Organics, Capillary column																						
1,2,4-Trichlorobenzene	ug/L	0	5	-	82	-	61	-	30	121	30	-	-	90	-	76	-	44	120	17	39	-
1,2-Dichlorobenzene	ug/L	0	5	-	84	-	60	-	30	120	33	-	-	-	-	-	-	-	-	-	-	-
1,2-Diphenylhydrazine	ug/L	0	5	-	88	-	86	-	49	136	2	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	0	5	-	81	-	54	-	28	114	39	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	0	5	-	79	-	55	-	28	116	35	-	-	90	-	77	-	39	110	15	34	-
2,4,5-Trichlorophenol	ug/L	0	5	-	95	-	87	-	49	143	9	-	-	-	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	ug/L	0	5	-	92	-	84	-	50	134	9	-	-	-	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	ug/L	0	5	-	85	-	82	-	43	124	4	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	ug/L	0	5	-	85	-	70	-	43	107	18	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	ug/L	0	10	-	87	-	77	-	22	174	13	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	ug/L	0	5	-	92	-	85	-	51	146	7	-	-	92	-	83	-	48	139	10	25	-
2,6-Dinitrotoluene	ug/L	0	5	-	85	-	80	-	53	129	5	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	ug/L	0	5	-	68	-	61	-	36	97	11	-	-	-	-	-	-	-	-	-	-	-
2-Chlorophenol	ug/L	0	5	-	80	-	76	-	46	115	5	-	-	89	-	77	-	43	110	15	24	-
2-Methyl-4,6-dinitrophenol	ug/L	0	10	-	95	-	88	-	38	147	7	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	ug/L	0	5	-	90	-	77	-	36	124	16	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol (o-Cresol)	ug/L	0	5	-	78	-	71	-	36	116	9	-	-	-	-	-	-	-	-	-	-	-
2-Nitroaniline	ug/L	0	5	-	98	-	93	-	54	133	5	-	-	-	-	-	-	-	-	-	-	-
2-Nitrophenol	ug/L	0	5	-	91	-	87	-	43	122	5	-	-	-	-	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/L	0	10	-	45	-	46	-	1	262	2	-	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	ug/L	0	5	-	95	-	89	-	54	134	7	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenylphenylether	ug/L	0	5	-	92	-	88	-	43	142	5	-	-	-	-	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	ug/L	0	5	-	89	-	83	-	49	133	7	-	-	95	-	80	-	48	127	16	31	-
4-Chloroaniline	ug/L	0	5	-	101	-	102	-	46	126	1	-	-	-	-	-	-	-	-	-	-	-
4-Chlorophenylphenylether	ug/L	0	5	-	93	-	86	-	49	134	7	-	-	-	-	-	-	-	-	-	-	-
4-Methylphenol (p-Cresol)	ug/L	0	10	-	76	-	66	-	46	109	15	-	-	-	-	-	-	-	-	-	-	-
4-Nitroaniline	ug/L	0	5	-	111	-	104	-	40	166	7	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	ug/L	0	10	-	64	-	40	-	15	122	47	-	-	47	-	39	-	1	132	17	34	-
Acenaphthene	ug/L	0	5	-	92	-	84	-	51	126	9	-	-	102	-	89	-	52	131	14	26	-
Acenaphthylene	ug/L	0	5	-	95	-	85	-	56	131	11	-	-	-	-	-	-	-	-	-	-	-
Aniline	ug/L	0	5	-	34	Q	54	-	36	113	43	-	-	-	-	-	-	-	-	-	-	-
Anthracene	ug/L	0	5	-	90	-	85	-	54	117	5	-	-	-	-	-	-	-	-	-	-	-
Benzidine	ug/L	0	100	-	60	-	41	-	1	200	37	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	ug/L	0	5	-	101	-	94	-	55	132	7	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	ug/L	0	5	-	109	-	101	-	51	141	8	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/L	0	5	-	106	-	43	-	43	135	85	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/L	0	5	-	96	-	93	-	36	157	2	-	-	-	-	-	-	-	-	-	-	-

AQUEOUS SAMPLES	------ METHOD BLANK ------				---------- LAB CONTROL ----------									---------- MATRIX QC ----------									
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: BNA*9821 Method: 8270 - GC/MS for Semivolatile Organics, Capillary column, con't																						
Benzo(k)fluoranthene	ug/L	0	5	-	113	-	99	-	57	137	14	-	-	-	-	-	-	-	-	-	-	-
Benzyl Alcohol	ug/L	0	10	-	88	-	85	-	41	126	4	-	-	-	-	-	-	-	-	-	-	-
Benzoic acid	ug/L	0	50	-	88	-	55	-	1	183	46	-	-	-	-	-	-	-	-	-	-	-
Butylbenzylphthalate	ug/L	0	5	-	91	-	87	-	50	139	4	-	-	-	-	-	-	-	-	-	-	-
Chrysene	ug/L	0	5	-	100	-	95	-	55	134	5	-	-	-	-	-	-	-	-	-	-	-
Di-n-octylphthalate	ug/L	0	5	-	102	-	95	-	41	145	7	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	ug/L	0	5	-	97	-	94	-	41	144	3	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	ug/L	0	5	-	90	-	84	-	53	129	7	-	-	-	-	-	-	-	-	-	-	-
Dibutylphthalate	ug/L	0.78	10	-	84	-	81	-	50	129	4	-	-	-	-	-	-	-	-	-	-	-
Diethylphthalate	ug/L	0	10	-	87	-	83	-	49	137	4	-	-	-	-	-	-	-	-	-	-	-
Dimethylphthalate	ug/L	0	5	-	96	-	88	-	55	134	8	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	ug/L	0	5	-	96	-	91	-	52	128	6	-	-	-	-	-	-	-	-	-	-	-
Fluorene	ug/L	0	5	-	95	-	89	-	55	126	7	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	ug/L	0	5	-	86	-	83	-	50	136	4	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/L	0	5	-	94	-	56	-	16	136	50	-	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	ug/L	0	10	-	73	-	46	-	6	209	45	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	ug/L	0	5	-	78	-	44	-	24	119	56	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-c,d)pyrene	ug/L	0	5	-	103	-	99	-	30	172	4	-	-	-	-	-	-	-	-	-	-	-
Isophorone	ug/L	0	5	-	93	-	90	-	39	126	4	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodimethylamine	ug/L	0	5	-	89	-	75	-	23	138	18	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	ug/L	0	5	-	70	-	79	-	36	103	12	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/L	0	5	-	98	-	93	-	32	136	5	-	-	98	-	78	-	33	135	22	25	-
Nitrobenzene	ug/L	0	5	-	85	-	86	-	44	118	1	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	0	5	-	87	-	76	-	40	110	13	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	0	5	-	96	-	92	-	54	128	4	-	-	-	-	-	-	-	-	-	-	-
Phenol	ug/L	0	5	-	85	-	57	-	28	91	39	-	-	60	-	48	-	5	110	22	30	-
Pentachlorophenol	ug/L	0	10	-	76	-	76	-	26	158	1	-	-	92	-	72	-	15	181	25	39	-
Pyrene	ug/L	0	5	-	100	-	95	-	53	128	4	-	-	114	-	97	-	45	162	16	34	-
Pyridine	ug/L	0	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroethoxy)methane	ug/L	0	5	-	92	-	89	-	32	127	4	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroethyl)ether	ug/L	0	5	-	88	-	87	-	48	117	1	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroisopropyl)ether	ug/L	0	5	-	87	-	85	-	39	155	2	-	-	-	-	-	-	-	-	-	-	-
Bis(2-ethylhexyl)phthalate	ug/L	1.4	10	-	90	-	88	-	15	176	2	-	-	-	-	-	-	-	-	-	-	-
[2-Fluorobiphenyl]	Percent	74	-	-	102	-	88	-	43	116	-	-	-	81	-	73	-	43	116	-	-	-
[2-Fluorophenol]	Percent	61	-	-	81	-	69	-	21	100	-	-	-	71	-	61	-	21	100	-	-	-
[2,4,6-Tribromophenol]	Percent	70	-	-	103	-	91	-	40	123	-	-	-	97	-	83	-	10	123	-	-	-
[Nitrobenzene-d5]	Percent	75	-	-	96	-	94	-	37	114	-	-	-	85	-	70	-	35	114	-	-	-
[Phenol-d5]	Percent	49	-	-	88	-	56	-	10	93	-	-	-	56	-	48	-	10	94	-	-	-

AQUEOUS SAMPLES		------ METHOD BLANK ------			---------- LAB CONTROL ----------							---------- MATRIX QC ----------							
					LCS		LCSD				RPD	RPD	MS		MSD				RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: BNA*9821 Method: 8270 - GC/MS for Semivolatile Organics, Capillary column, con't																						
[Terphenyl-d14]	Percent	69	-	-	90	-	83	-	33	141	-	-	-	81	-	71	-	33	141	-	-	-

VOC ANALYTICAL, GLENDALE
SUPPLEMENTAL QC REPORT FOR 9801495
DATE PRINTED: 17 MAR 1998

AQUEOUS SAMPLES

Batch: HG*98378 Method: 7470 - Mercury (Liquid), Cold Vapor AA, Manual

		B8021172*1	C8022397*1		C8022398*1		9801495*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Mercury	mg/L	0	0.0046	0.0040	0.0046	0.0040	0	-	0.0023	0.0023	0.0020

Batch: DIG,AQ,GFA*98420 Method: 3020 - Acid Digestion of Aqueous etc.

		(BLANK)	(LCS)		(LCSD)		(MTX QC)	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Furnace Digestion	Date	02/10/98	02/10/98	02/10/98	02/10/98	02/10/98	02/10/98	02/10/98	02/10/98	02/10/98	02/10/98

Batch: AS,GFA*98420 Method: 7060 - Arsenic, AA, Furnace

		B8021296*1	C8022640*1		C8022641*1		9802097*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Arsenic	mg/L	0	0.0447	0.0500	0.0460	0.0500	0.033	-	0.0489	0.0539	0.0576

Batch: CD,GFA*98420 Method: 7131 - Cadmium, AA, Furnace

		B8021297*1	C8022642*1		C8022643*1		9802097*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Cadmium	mg/L	0	0.0170	0.0200	0.0172	0.0200	0	-	0.0217	0.0221	0.0250

Batch: PB,GFA*98420 Method: 7421 - Lead, AA, Furnace

		B8021298*1	C8022644*1		C8022645*1		9802097*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Lead	mg/L	0.0015	0.0452	0.0500	0.0450	0.0500	0.0013	-	0.0203	0.0210	0.0200

Batch: SE,GFA*98420 Method: 7740 - Selenium, AA, Furnace

		B8021299*1	C8022646*1		C8022647*1		9802097*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Selenium	mg/L	0	0.0953	0.100	0.0964	0.100	0	-	0.0571	0.0572	0.100

Batch: DIG,AQ*98422 Method: 3005 - Total Recoverable Metals Digestion

		(BLANK)	(LCS)		(LCSD)		(MTX QC)	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Digestion	Date	02/10/98	02/10/98	02/10/98	02/10/98	02/10/98	02/10/98	02/10/98	02/10/98	02/10/98	02/10/98

AQUEOUS SAMPLES

Batch: AG*98422 Method: 6010 - ICAP Metals

		B8021307*1	C8022661*1	.....	C8022662*1	.....	9802097*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Silver	mg/L	0.002	0.164	0.200	0.180	0.200	0	-	0.356	0.361	0.500

Batch: AL*98422 Method: 6010 - ICAP Metals

		B8021308*1	C8022664*1	.....	N/A	.....	9802097*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Aluminum	mg/L	0	0.816	1.00	-	-	0	-	1.34	1.33	1.50

Batch: BA*98422 Method: 6010 - ICAP Metals

		B8021309*1	C8022665*1	.....	C8022666*1	.....	9802097*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Barium	mg/L	0.0011	0.811	1.00	0.888	1.00	0.093	-	0.545	0.548	0.593

Batch: BE*98422 Method: 6010 - ICAP Metals

		B8021310*1	C8022667*1	.....	C8022668*1	.....	9802097*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Beryllium	mg/L	0	0.332	0.400	0.365	0.400	0.0003	-	0.0900	0.0893	0.100

Batch: CA*98422 Method: 6010 - ICAP Metals

		B8021311*1	C8022669*1	.....	C8022670*1	.....	9802097*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Calcium	mg/L	0	43.1	50.0	47.3	50.0	200	-	250	258	247

Batch: CO*98422 Method: 6010 - ICAP Metals

		B8021312*1	C8022671*1	.....	C8022672*1	.....	9802097*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Cobalt	mg/L	0	0.838	1.00	0.914	1.00	0	-	0.452	0.448	0.500

Batch: CR*98422 Method: 6010 - ICAP Metals

		B8021313*1	C8022673*1	.....	C8022674*1	.....	9802097*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Chromium	mg/L	0.002	0.829	1.00	0.916	1.00	0.003	-	0.178	0.178	0.200

AQUEOUS SAMPLES

Batch: CU*98422 Method: 6010 - ICAP Metals

		B8021314*1	C8022676*1		N/A		9802097*1				
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Copper	mg/L	0	0.858	1.00	-	-	0.002	-	0.441	0.439	0.500

Batch: FE*98422 Method: 6010 - ICAP Metals

		B8021315*1	C8022677*1		C8022678*1		9802097*1				
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Iron	mg/L	0.012	0.884	1.00	0.938	1.00	0.073	-	0.964	0.962	1.07

Batch: MO*98422 Method: 6010 - ICAP Metals

		B8021316*1	C8022679*1		C8022680*1		9802097*1				
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Molybdenum	mg/L	0.006	0.827	1.00	0.917	1.00	0.011	-	2.70	2.70	3.00

Batch: NI*98422 Method: 6010 - ICAP Metals

		B8021317*1	C8022681*1		C8022682*1		9802097*1				
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Nickel	mg/L	0	0.863	1.00	0.943	1.00	0.013	-	0.467	0.473	0.500

Batch: SB*98422 Method: 6010 - ICAP Metals

		B8021318*1	C8022683*1		C8022684*1		9802097*1				
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Antimony	mg/L	0.02	0.867	1.00	0.964	1.00	0	-	3.23	3.22	3.50

Batch: TL*98422 Method: 6010 - ICAP Metals

		B8021319*1	C8022685*1		C8022686*1		9802097*1				
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Thallium	mg/L	0.017	0.828	1.00	0.886	1.00	0.012	-	2.65	2.68	3.00

Batch: V*98422 Method: 6010 - ICAP Metals

		B8021320*1	C8022687*1		C8022688*1		9802097*1				
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Vanadium	mg/L	0	0.803	1.00	0.879	1.00	0.0017	-	0.447	0.447	0.500

AQUEOUS SAMPLES

Batch: ZN*98422 Method: 6010 - ICAP Metals

		B8021321*1	C8022689*1		C8022690*1		9802097*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Zinc	mg/L	0	0.808	1.00	0.875	1.00	0	-	0.460	0.470	0.500

VOC ANALYTICAL, GLENDALE
SUPPLEMENTAL QC REPORT FOR 9801495
DATE PRINTED: 17 MAR 1998

AQUEOUS SAMPLES

Batch: VOA,8260*986031 Method: 8260A - Volatile Organics, GCMS

		B8021302*1	C8022652*1		C8022653*1		N/A				
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Date Analyzed	Date	02/09/98	02/09/98	02/09/98	02/09/98	02/09/98	-	-	-	-	-
Dilution Factor	Times	1	1	1	1	1	-	-	-	-	-
1,1,1-Trichloroethane	ug/L	0	56.5	50.0	57.6	50.0	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	45.2	50.0	45.0	50.0	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	51.5	50.0	53.1	50.0	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	46.1	50.0	46.1	50.0	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	43.3	50.0	41.5	50.0	-	-	-	-	-
1,2-Dibromoethane	ug/L	0	54.0	50.0	53.4	50.0	-	-	-	-	-
1,2-Dichloroethane	ug/L	0	56.5	50.0	57.6	50.0	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	45.5	50.0	45.3	50.0	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	75.7	100	74.6	100	-	-	-	-	-
2-Hexanone	ug/L	0	92.5	100	89.9	100	-	-	-	-	-
Acetone	ug/L	0	97.8	100	32.3	100	-	-	-	-	-
Bromodichloromethane	ug/L	0	56.0	50.0	56.7	50.0	-	-	-	-	-
Bromomethane	ug/L	0	50.5	50.0	47.9	50.0	-	-	-	-	-
Benzene	ug/L	0	47.1	50.0	47.8	50.0	-	-	-	-	-
Bromoform	ug/L	0	52.9	50.0	53.6	50.0	-	-	-	-	-
Carbon Tetrachloride	ug/L	0	57.4	50.0	59.4	50.0	-	-	-	-	-
Chloroethane	ug/L	0	41.6	50.0	39.5	50.0	-	-	-	-	-
Chloroform	ug/L	0	50.1	50.0	51.1	50.0	-	-	-	-	-
Chloromethane	ug/L	0	35.7	50.0	37.4	50.0	-	-	-	-	-
Carbon Disulfide	ug/L	0	83.2	100	57.5	100	-	-	-	-	-
Dibromochloromethane	ug/L	0	64.5	50.0	65.8	50.0	-	-	-	-	-
Methyl ethyl ketone	ug/L	0	108	100	104	100	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	103	100	105	100	-	-	-	-	-
Methylene chloride	ug/L	0	47.6	50.0	47.2	50.0	-	-	-	-	-
Trichloroethene	ug/L	0	52.4	50.0	52.7	50.0	-	-	-	-	-
Tetrachloroethene	ug/L	0	52.3	50.0	53.0	50.0	-	-	-	-	-
Vinyl acetate	ug/L	0	110	100	108	100	-	-	-	-	-
Vinyl chloride	ug/L	0	43.1	50.0	44.1	50.0	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	49.4	50.0	50.0	50.0	-	-	-	-	-
cis-1,3-Dichloropropene	ug/L	0	50.4	50.0	51.1	50.0	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	50.9	50.0	50.6	50.0	-	-	-	-	-
trans-1,3-Dichloropropene	ug/L	0	52.8	50.0	53.9	50.0	-	-	-	-	-
4-Bromofluorobenzene Rep.	ug/L	46.5	47.3	50.0	47.7	50.0	-	-	-	-	-
4-Bromofluorobenzene Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-
Toluene-d8 Reported	ug/L	46.8	47.4	50.0	47.9	50.0	-	-	-	-	-

AQUEOUS SAMPLES

Batch: VOA,8260*986031 Method: 8260A - Volatile Organics, GCMS, con't

		B8021302*1	C8022652*1		C8022653*1		N/A				
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Toluene-d8 Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-
Dibromofluoromethane Rep.	ug/L	50.5	51.1	50.0	51.1	50.0	-	-	-	-	-
Dibromofluoromethane Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-

AQUEOUS SAMPLES

Batch: BNA*9821 Method: 8270 - GC/MS for Semivolatile Organics, Capillary column

		B802237*1	C802440*1		C802441*1		9801503*4	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Date Analyzed	Date	02/16/98	02/16/98	02/16/98	02/16/98	02/16/98	02/23/98	-	02/23/98	02/25/98	02/25/98
Date Extracted	Date	02/03/98	02/03/98	02/03/98	02/03/98	02/03/98	02/03/98	-	02/03/98	02/03/98	02/03/98
Dilution Factor	Times	1	1	1	1	1	1	-	1	1	1
1,2,4-Trichlorobenzene	ug/L	0	81.9	100	60.8	100	0	-	44.9	38.0	50.0
1,2-Dichlorobenzene	ug/L	0	83.8	100	60.2	100	0	-	-	-	-
1,2-Diphenylhydrazine	ug/L	0	87.6	100	85.6	100	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	0	80.6	100	54.2	100	0	-	-	-	-
1,4-Dichlorobenzene	ug/L	0	78.5	100	55.4	100	0	-	45.1	38.7	50.0
2,4,5-Trichlorophenol	ug/L	0	95.4	100	87.1	100	0	-	-	-	-
2,4,6-Trichlorophenol	ug/L	0	92.1	100	84.4	100	0	-	-	-	-
2,4-Dichlorophenol	ug/L	0	85.3	100	82.1	100	0	-	-	-	-
2,4-Dimethylphenol	ug/L	0	84.7	100	70.4	100	0	-	-	-	-
2,4-Dinitrophenol	ug/L	0	87.4	100	76.9	100	0	-	-	-	-
2,4-Dinitrotoluene	ug/L	0	91.9	100	85.4	100	0	-	45.9	41.4	50.0
2,6-Dinitrotoluene	ug/L	0	84.6	100	80.2	100	0	-	-	-	-
2-Chloronaphthalene	ug/L	0	67.8	100	60.9	100	0	-	-	-	-
2-Chlorophenol	ug/L	0	79.6	100	75.8	100	0	-	66.9	57.6	75.0
2-Methyl-4,6-dinitrophenol	ug/L	0	95.0	100	88.3	100	0	-	-	-	-
2-Methylnaphthalene	ug/L	0	89.8	100	76.7	100	0	-	-	-	-
2-Methylphenol (o-Cresol)	ug/L	0	77.7	100	70.7	100	0	-	-	-	-
2-Nitroaniline	ug/L	0	98.0	100	92.8	100	0	-	-	-	-
2-Nitrophenol	ug/L	0	91.3	100	86.7	100	0	-	-	-	-
3,3'-Dichlorobenzidine	ug/L	0	89.6	200	91.0	200	0	-	-	-	-
3-Nitroaniline	ug/L	0	95.0	100	88.7	100	0	-	-	-	-
4-Bromophenylphenylether	ug/L	0	92.1	100	87.6	100	0	-	-	-	-
4-Chloro-3-methylphenol	ug/L	0	89.1	100	83.0	100	0	-	70.9	60.1	75.0
4-Chloroaniline	ug/L	0	101	100	102	100	0	-	-	-	-
4-Chlorophenylphenylether	ug/L	0	92.7	100	86.2	100	0	-	-	-	-
4-Methylphenol (p-Cresol)	ug/L	0	76.1	100	65.8	100	0	-	-	-	-
4-Nitroaniline	ug/L	0	111	100	104	100	0	-	-	-	-
4-Nitrophenol	ug/L	0	63.7	100	39.6	100	0	-	34.9	29.5	75.0
Acenaphthene	ug/L	0	91.8	100	84.0	100	0	-	51.2	44.5	50.0
Acenaphthylene	ug/L	0	94.9	100	85.3	100	0	-	-	-	-
Aniline	ug/L	0	34.4	100	53.5	100	-	-	-	-	-
Anthracene	ug/L	0	89.7	100	85.3	100	0	-	-	-	-
Benzidine	ug/L	0	119	200	82.1	200	-	-	-	-	-
Benzo(a)anthracene	ug/L	0	101	100	94.3	100	0	-	-	-	-

AQUEOUS SAMPLES

Batch: BNA*9821 Method: 8270 - GC/MS for Semivolatile Organics, Capillary column, con't

		B802237*1	C802440*1		C802441*1		9801503*4				
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Benzo(a)pyrene	ug/L	0	109	100	101	100	0	-	-	-	-
Benzo(b)fluoranthene	ug/L	0	106	100	42.9	100	0	-	-	-	-
Benzo(g,h,i)perylene	ug/L	0	95.6	100	93.4	100	0	-	-	-	-
Benzo(k)fluoranthene	ug/L	0	113	100	98.5	100	0	-	-	-	-
Benzyl Alcohol	ug/L	0	88.2	100	84.7	100	0	-	-	-	-
Benzoic acid	ug/L	0	175	200	110	200	0	-	-	-	-
Butylbenzylphthalate	ug/L	0	90.8	100	87.1	100	0	-	-	-	-
Chrysene	ug/L	0	99.9	100	94.9	100	0	-	-	-	-
Di-n-octylphthalate	ug/L	0	102	100	95.4	100	0	-	-	-	-
Dibenzo(a,h)anthracene	ug/L	0	96.9	100	93.9	100	0	-	-	-	-
Dibenzofuran	ug/L	0	90.4	100	84.2	100	0	-	-	-	-
Dibutylphthalate	ug/L	0.78	84.3	100	81.4	100	7.2	-	-	-	-
Diethylphthalate	ug/L	0	86.7	100	82.9	100	0	-	-	-	-
Dimethylphthalate	ug/L	0	95.7	100	88.2	100	0	-	-	-	-
Fluoranthene	ug/L	0	95.9	100	90.5	100	0	-	-	-	-
Fluorene	ug/L	0	95.3	100	88.9	100	0	-	-	-	-
Hexachlorobenzene	ug/L	0	86.3	100	83.0	100	0	-	-	-	-
Hexachlorobutadiene	ug/L	0	93.7	100	56.2	100	0	-	-	-	-
Hexachlorocyclopentadiene	ug/L	0	73.0	100	46.0	100	0	-	-	-	-
Hexachloroethane	ug/L	0	77.8	100	43.9	100	0	-	-	-	-
Indeno(1,2,3-c,d)pyrene	ug/L	0	103	100	98.9	100	0	-	-	-	-
Isophorone	ug/L	0	93.1	100	89.8	100	0	-	-	-	-
N-Nitrosodimethylamine	ug/L	0	89.3	100	74.7	100	-	-	-	-	-
N-Nitrosodiphenylamine	ug/L	0	69.9	100	78.7	100	0	-	-	-	-
N-Nitrosodi-n-propylamine	ug/L	0	97.6	100	92.8	100	0	-	48.8	39.0	50.0
Nitrobenzene	ug/L	0	85.1	100	85.6	100	0	-	-	-	-
Naphthalene	ug/L	0	86.6	100	75.9	100	0	-	-	-	-
Phenanthrene	ug/L	0	95.6	100	91.6	100	0	-	-	-	-
Phenol	ug/L	0	84.7	100	57.3	100	0	-	45.1	36.3	75.0
Pentachlorophenol	ug/L	0	76.4	100	75.5	100	0	-	69.2	54.0	75.0
Pyrene	ug/L	0	99.7	100	95.4	100	0	-	56.9	48.6	50.0
Pyridine	ug/L	0	-	-	-	-	-	-	-	-	-
Bis(2-chloroethoxy)methane	ug/L	0	92.1	100	88.7	100	0	-	-	-	-
Bis(2-chloroethyl)ether	ug/L	0	88.0	100	86.9	100	0	-	-	-	-
Bis(2-chloroisopropyl)ether	ug/L	0	86.9	100	85.3	100	0	-	-	-	-
Bis(2-ethylhexyl)phthalate	ug/L	1.4	89.5	100	88.0	100	2.8	-	-	-	-
2-Fluorobiphenyl Reported	ug/L	36.9	50.8	50.0	44.2	50.0	45.4	-	40.7	36.4	50.0

AQUEOUS SAMPLES

Batch: BNA*9821 Method: 8270 - GC/MS for Semivolatile Organics, Capillary column, con't

		B802237*1	C802440*1		C802441*1		9801503*4	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
2-Fluorobiphenyl Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	50.0	-	50.0	50.0	50.0
2-Fluorophenol Reported	ug/L	45.8	60.9	75.0	51.9	75.0	53.7	-	53.6	45.7	75.0
2-Fluorophenol Theoretical	ug/L	75.0	75.0	75.0	75.0	75.0	75.0	-	75.0	75.0	75.0
2,4,6-Tribromophenol Rep.	ug/L	52.5	77.1	75.0	67.9	75.0	75.1	-	72.6	62.5	75.0
2,4,6-Tribromophenol Theo.	ug/L	75.0	75.0	75.0	75.0	75.0	75.0	-	75.0	75.0	75.0
Nitrobenzene-d5 Reported	ug/L	37.6	47.8	50.0	46.9	50.0	46.7	-	42.5	34.9	50.0
Nitrobenzene-d5 Theoretical	ug/L	50.0	50.0	50.0	50.0	50.0	50.0	-	50.0	50.0	50.0
Phenol-d5 Reported	ug/L	37.1	65.9	75.0	42.2	75.0	43.1	-	42.0	35.7	75.0
Phenol-d5 Theoretical	ug/L	75.0	75.0	75.0	75.0	75.0	75.0	-	75.0	75.0	75.0
Terphenyl-d14 Reported	ug/L	34.6	44.9	50.0	41.4	50.0	44.4	-	40.4	35.3	50.0
Terphenyl-d14 Theoretical	ug/L	50.0	50.0	50.0	50.0	50.0	50.0	-	50.0	50.0	50.0

: SURROGATE RECOVERIES :
: BC ANALYTICAL : GLEN LAB : 07:02:43 17 MAR 1998 - P. 1 :

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
9801495*1							
8270	2-Fluorophenol	9821	02/17/98	48.2	75.0	64	
	Phenol-d5	9821	02/17/98	39.9	75.0	53	
	Nitrobenzene-d5	9821	02/17/98	41.5	50.0	83	
	2-Fluorobiphenyl	9821	02/17/98	42.6	50.0	85	
	2,4,6-Tribromophenol Rep.	9821	02/17/98	73.2	75.0	98	
	Terphenyl-d14	9821	02/17/98	44.3	50.0	89	
8260A	Toluene-d8	986031	02/09/98	47.7	50.0	95	
	4-Bromofluorobenzene Rep.	986031	02/09/98	46.4	50.0	93	
	Dibromofluoromethane Rep.	986031	02/09/98	50.2	50.0	100	
9801495*2							
8270	2-Fluorophenol	9821	02/17/98	48.4	75.0	65	
	Phenol-d5	9821	02/17/98	39.8	75.0	53	
	Nitrobenzene-d5	9821	02/17/98	42.8	50.0	86	
	2-Fluorobiphenyl	9821	02/17/98	45.5	50.0	91	
	2,4,6-Tribromophenol Rep.	9821	02/17/98	73.2	75.0	98	
	Terphenyl-d14	9821	02/17/98	41.1	50.0	82	
8260A	Toluene-d8	986031	02/09/98	47.2	50.0	94	
	4-Bromofluorobenzene Rep.	986031	02/09/98	46.6	50.0	93	
	Dibromofluoromethane Rep.	986031	02/09/98	49.1	50.0	98	
9801495*3							
8270	2-Fluorophenol	9821	02/19/98	29.2	75.0	39	
	Phenol-d5	9821	02/19/98	40.1	75.0	53	
	Nitrobenzene-d5	9821	02/19/98	40.1	50.0	80	
	2-Fluorobiphenyl	9821	02/19/98	42.2	50.0	84	
	2,4,6-Tribromophenol Rep.	9821	02/19/98	73.0	75.0	97	
	Terphenyl-d14	9821	02/19/98	39.5	50.0	79	
8260A	Toluene-d8	986031	02/09/98	47.4	50.0	95	
	4-Bromofluorobenzene Rep.	986031	02/09/98	45.7	50.0	91	
	Dibromofluoromethane Rep.	986031	02/09/98	48.2	50.0	96	
9801495*4							
8270	2-Fluorophenol	9821	02/19/98	43.1	75.0	57	
	Phenol-d5	9821	02/19/98	39.3	75.0	52	
	Nitrobenzene-d5	9821	02/19/98	38.5	50.0	77	
	2-Fluorobiphenyl	9821	02/19/98	38.9	50.0	78	
	2,4,6-Tribromophenol Rep.	9821	02/19/98	66.1	75.0	88	
	Terphenyl-d14	9821	02/19/98	38.2	50.0	76	
8260A	Toluene-d8	986031	02/09/98	48.2	50.0	96	
	4-Bromofluorobenzene Rep.	986031	02/09/98	46.0	50.0	92	
	Dibromofluoromethane Rep.	986031	02/09/98	49.9	50.0	100	
9801495*5							
8270	2-Fluorophenol	9821	02/19/98	44.7	75.0	60	
	Phenol-d5	9821	02/19/98	40.2	75.0	54	
	Nitrobenzene-d5	9821	02/19/98	37.8	50.0	76	
	2-Fluorobiphenyl	9821	02/19/98	38.8	50.0	78	
	2,4,6-Tribromophenol Rep.	9821	02/19/98	63.8	75.0	85	
	Terphenyl-d14	9821	02/19/98	39.3	50.0	79	

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
8260A	Toluene-d8	986031	02/10/98	48.0	50.0	96	
	4-Bromofluorobenzene Rep.	986031	02/10/98	46.5	50.0	93	
	Dibromofluoromethane Rep.	986031	02/10/98	48.6	50.0	97	
9801495*6							
8270	2-Fluorophenol	9821	02/19/98	31.4	75.0	42	
	Phenol-d5	9821	02/19/98	40.9	75.0	55	
	Nitrobenzene-d5	9821	02/19/98	39.6	50.0	79	
	2-Fluorobiphenyl	9821	02/19/98	41.8	50.0	84	
	2,4,6-Tribromophenol Rep.	9821	02/19/98	72.9	75.0	97	
	Terphenyl-d14	9821	02/19/98	42.0	50.0	84	
8260A	Toluene-d8	986031	02/10/98	47.8	50.0	96	
	4-Bromofluorobenzene Rep.	986031	02/10/98	45.9	50.0	92	
	Dibromofluoromethane Rep.	986031	02/10/98	49.6	50.0	99	
9801495*7							
8270	2-Fluorophenol	9821	02/19/98	31.6	75.0	42	
	Phenol-d5	9821	02/19/98	41.0	75.0	55	
	Nitrobenzene-d5	9821	02/19/98	38.3	50.0	77	
	2-Fluorobiphenyl	9821	02/19/98	39.4	50.0	79	
	2,4,6-Tribromophenol Rep.	9821	02/19/98	70.7	75.0	94	
	Terphenyl-d14	9821	02/19/98	41.3	50.0	83	
8260A	Toluene-d8	986031	02/10/98	47.4	50.0	95	
	4-Bromofluorobenzene Rep.	986031	02/10/98	50.0	50.0	100	
	Dibromofluoromethane Rep.	986031	02/10/98	48.5	50.0	97	
9801495*8							
8260A	Toluene-d8	986031	02/10/98	48.0	50.0	96	
	4-Bromofluorobenzene Rep.	986031	02/10/98	46.3	50.0	93	
	Dibromofluoromethane Rep.	986031	02/10/98	48.1	50.0	96	

: SURROGATE RECOVERIES :
: BC ANALYTICAL : GLEN LAB : 07:02:46 17 MAR 1998 - P. 1 :

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
B8021302*1*MB							
8260A	1,2-Dichloroethane-d4 Rep	986031	02/09/98	58.1	50.0	116	
	Dibromofluoromethane Rep.	986031	02/09/98	50.5	50.0	101	
	Toluene-d8	986031	02/09/98	46.8	50.0	94	
	4-Bromofluorobenzene Rep.	986031	02/09/98	46.5	50.0	93	
B802237*1*MB							
8270	2-Fluorophenol	9821	02/16/98	45.8	75.0	61	
	Phenol-d5	9821	02/16/98	37.1	75.0	49	
	Nitrobenzene-d5	9821	02/16/98	37.6	50.0	75	
	2-Fluorobiphenyl	9821	02/16/98	36.9	50.0	74	
	2,4,6-Tribromophenol Rep.	9821	02/16/98	52.5	75.0	70	
	Terphenyl-d14	9821	02/16/98	34.6	50.0	69	
C8022652*1*LC							
8260A	1,2-Dichloroethane-d4 Rep	986031	02/09/98	55.8	50.0	112	
	Dibromofluoromethane Rep.	986031	02/09/98	51.1	50.0	102	
	Toluene-d8	986031	02/09/98	47.4	50.0	95	
	4-Bromofluorobenzene Rep.	986031	02/09/98	47.3	50.0	95	
C8022652*1*LT							
8260A	1,2-Dichloroethane-d4 Rep	986031	02/09/98	50.0	50.0	100	
	Dibromofluoromethane Rep.	986031	02/09/98	50.0	50.0	100	
	Toluene-d8	986031	02/09/98	50.0	50.0	100	
	4-Bromofluorobenzene Rep.	986031	02/09/98	50.0	50.0	100	
C8022653*1*LC							
8260A	1,2-Dichloroethane-d4 Rep	986031	02/09/98	56.0	50.0	112	
	Dibromofluoromethane Rep.	986031	02/09/98	51.1	50.0	102	
	Toluene-d8	986031	02/09/98	47.9	50.0	96	
	4-Bromofluorobenzene Rep.	986031	02/09/98	47.7	50.0	95	
C8022653*1*LT							
8260A	1,2-Dichloroethane-d4 Rep	986031	02/09/98	50.0	50.0	100	
	Dibromofluoromethane Rep.	986031	02/09/98	50.0	50.0	100	
	Toluene-d8	986031	02/09/98	50.0	50.0	100	
	4-Bromofluorobenzene Rep.	986031	02/09/98	50.0	50.0	100	
C802440*1*LC							
8270	2-Fluorophenol	9821	02/16/98	60.9	75.0	81	
	Phenol-d5	9821	02/16/98	65.9	75.0	88	
	Nitrobenzene-d5	9821	02/16/98	47.8	50.0	96	
	2-Fluorobiphenyl	9821	02/16/98	50.8	50.0	102	
	2,4,6-Tribromophenol Rep.	9821	02/16/98	77.1	75.0	103	
	Terphenyl-d14	9821	02/16/98	44.9	50.0	90	
C802440*1*LT							
8270	2-Fluorophenol	9821	02/16/98	75.0	75.0	100	

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
	Phenol-d5	9821	02/16/98	75.0	75.0	100	
	Nitrobenzene-d5	9821	02/16/98	50.0	50.0	100	
	2-Fluorobiphenyl	9821	02/16/98	50.0	50.0	100	
	2,4,6-Tribromophenol Rep.	9821	02/16/98	75.0	75.0	100	
	Terphenyl-d14	9821	02/16/98	50.0	50.0	100	
C802441*1*LC							
8270	2-Fluorophenol	9821	02/16/98	51.9	75.0	69	
	Phenol-d5	9821	02/16/98	42.2	75.0	56	
	Nitrobenzene-d5	9821	02/16/98	46.9	50.0	94	
	2-Fluorobiphenyl	9821	02/16/98	44.2	50.0	88	
	2,4,6-Tribromophenol Rep.	9821	02/16/98	67.9	75.0	91	
	Terphenyl-d14	9821	02/16/98	41.4	50.0	83	
C802441*1*LT							
8270	2-Fluorophenol	9821	02/16/98	75.0	75.0	100	
	Phenol-d5	9821	02/16/98	75.0	75.0	100	
	Nitrobenzene-d5	9821	02/16/98	50.0	50.0	100	
	2-Fluorobiphenyl	9821	02/16/98	50.0	50.0	100	
	2,4,6-Tribromophenol Rep.	9821	02/16/98	75.0	75.0	100	
	Terphenyl-d14	9821	02/16/98	50.0	50.0	100	

Ship To: VOC Analytical
Attn: Sample Control
801 Western
Glendale CA

Page 1 of 3
Project Name: WDI
Project No.: 94-256
Site Location: Santa Fe Springs, CA
Date: 1/27/98

CHAIN OF CUSTODY RECORD

698-01-495

Boring/Well No.	Sample No.	Depth	Date	Time	Sample Type: Water	Solid	Other	Comp.	Grab.	Sample Containers: Vol.	No.	Type	Pres.	Analysis: 8260	8270	Metals					Remarks
WDI-GMW15-	05		1/27/98	0830	X					40ml	2	VOA	HCl	X							
↓			↓	↓	↓					1l	2	Ambr	—		X						
↓			↓	↓	↓					1l	1	Poly	HNO3			X					
WDI-GMW	15-05F	LTRD	↓	↓	↓					1l	1	"	"			X					
WDI-GMW	16-05		1/27/98	0933	X					40ml	2	VOA	HCl	X							
↓			↓	↓	↓					1l	2	Ambr	—		X						
↓			↓	↓	↓					1l	1	Poly	HNO3			X					
WDI-GMW	16-05F	LTRD	↓	↓	↓					1l	1	"	"			X					
WDI-GMW	13-05		1/27/98	1040	X					40ml	2	VOA	HCl	X							
↓			↓	↓	↓					1l	2	Ambr	—		X						
↓			↓	↓	↓					1l	1	Poly	HNO3			X					
WDI-GMW	13-05F	LTRD	↓	↓	↓					1l	1	"	"			X					
WDI-GMW	04-05		1/27/98	1150	X					40ml	2	VOA	HCl	X							
↓			↓	↓	↓					1l	2	Ambr	—		X						
↓			↓	↓	↓					1l	1	Poly	HNO3			X					

Total Number of Samples Shipped: 49 Shipper's Signature: Glenn Androsko

	Signature	Company	Date	Time
Relinquished by:	Glenn Androsko	TRC	1/27/98	1616
Received by:	A-Maki Jo	AK-A	1-27-98	16:20
Relinquished by:	A-Maki Jo	AK A	1-27-98	1810
Received by:	Sharon Malone	VOC	1-28-98	1710
Relinquished by:				
Received by:				

Special Instructions / Shipment / Handling/ Storage Requirements:

Send results attn. Roberto Puga

The material(s) listed are received for analysis and/or treatability evaluation and remain the property of the client and not Environmental Solutions, Inc. At the conclusion of the test work, all remaining material(s) will be returned to the client for eventual disposal at a licensed facility.

☒ ENVIRONMENTAL SOLUTIONS, INC.
21 Technology Drive
Irvine, California 92718

☐ ENVIRONMENTAL SOLUTIONS, INC.
1172 Pelican Bay Drive
Daytona Beach, Florida 32119

☐ ENVIRONMENTAL SOLUTIONS, INC.
1201 N. McDowell Boulevard
Petaluma, California 94954

☐ ENVIRONMENTAL SOLUTIONS, INC.
2815 Mitchell Drive, Suite 103
Walnut Creek, California 94598

Ship To: VOC
Attn:
Glendale

Page 2 of 3
Project Name: WDI
Project No.: 94-256
Site Location: SFS, CA
Date: 1/27/98

CHAIN OF CUSTODY RECORD

G9801495

Boring/Well No.	Sample No.	Depth	Date	Time	Sample Type: Water	Solid	Other	Comp.	Grab.	Sample Containers: Vol.	No.	Type	Pres.	Analysis: 8260	8270	Metals	Hold	Remarks
WDI-GMW	04-05F	LTRD	1/27/98	1150	X					1l	1	Poly	HNO3		X			
WDI-GMW	31-05		1/27/98	1320	X					40ml	2	VOA	HCl	X				
↓			↓	↓	↓					1l	2	Amber	—		X			
↓			↓	↓	↓					1l	1	Poly	HNO3			X		
WDI-GMW	31-05F	LTRD	↓	↓	↓					1l	1	"	"			X		
WDI-MW	FR31-05		1/27/98	1355	X					40ml	2	VOA	HCl				X	
↓			↓	↓	↓					1l	2	Amber	—				X	
↓			↓	↓	↓					1l	1	Poly	HNO3				X	
WDI-GMW	30-05	"	1/27/98	1500	X					40ml	2	VOA	HCl	X				
↓			↓	↓	↓					1l	2	Amber	—		X			
↓			↓	↓	↓					1l	1	Poly	HNO3			X		
WDI-GMW	30-05	FLTRD	↓	↓	↓					1l	1	"	"			X		
WDI-GMW	29-05		1/27/98	1650	X					40ml	2	VOA	HCl	X				
↓			↓	↓	↓					1l	2	Amber	—		X			
↓			↓	↓	↓					1l	1	Poly	HNO3			X		

Total Number of Samples Shipped: 49 Shipper's Signature: Glenn Ambrose

	Signature	Company	Date	Time
Relinquished by:	Glenn Ambrose	TRC	1/27/98	1616
Received by:	A. Mukijian	EA	1-27-98	16:20
Relinquished by:	A. Mukijian	EA	1-27-98	5:00
Received by:	Sharon Mallard	VOC	1-27-98	1740
Relinquished by:				
Received by:				

Special Instructions / Shipment / Handling/ Storage Requirements:

The material(s) listed are received for analysis and/or treatability evaluation and remain the property of the client and not Environmental Solutions, Inc. At the conclusion of the test work, all remaining material(s) will be returned to the client for eventual disposal at a licensed facility.

☑ ENVIRONMENTAL SOLUTIONS, INC.
21 Technology Drive
Irvine, California 92718

☐ ENVIRONMENTAL SOLUTIONS, INC.
1172 Pelican Bay Drive
Daytona Beach, Florida 32119

☐ ENVIRONMENTAL SOLUTIONS, INC.
1201 N. McDowell Boulevard
Petaluma, California 94954

☐ ENVIRONMENTAL SOLUTIONS, INC.
2815 Mitchell Drive, Suite 103
Walnut Creek, California 94598

Ship To: VOC
Attn:
Glendale

Page 3 of 3
Project Name: WDI
Project No.: 94-256
Site Location: SFS, Ca.
Date: 1/27/98

CHAIN OF CUSTODY RECORD

G9801495

Boring/Well No.	Sample No.	Depth	Date	Time	Sample Type: Water	Sample Type: Solid	Sample Type: Other	Comp.	Grab.	Sample Containers: Vol.	Sample Containers: No.	Sample Containers: Type	Sample Containers: Pres.	Analysis: Metals	Analysis: 8260						Remarks
WDI-GMW	29-05F	LTRD	1/27/98	1550	X					1l	1	Poly	HNO3	X							
WDI-GMW	TB15-	05	1/27/98	0830	X					40ml	2	VOA	HCl		X						

Total Number of Samples Shipped: 49 Shipper's Signature: Glenn Androsko

	Signature	Company	Date	Time
Relinquished by:	Glenn Androsko	TRC	1/27/98	1616
Received by:	A-McGinn	ARIA	1-27-98	16:20
Relinquished by:	A-McGinn	ARIA	1-27-98	5:10
Received by:	Sharon Malone	VOC	1-27-98	1710
Relinquished by:				
Received by:				

Special Instructions / Shipment / Handling/ Storage Requirements:

The material(s) listed are received for analysis and/or treatability evaluation and remain the property of the client and not Environmental Solutions, Inc. At the conclusion of the test work, all remaining material(s) will be returned to the client for eventual disposal at a licensed facility.

☐ ENVIRONMENTAL SOLUTIONS, INC.
21 Technology Drive
Irvine, California 92718

☐ ENVIRONMENTAL SOLUTIONS, INC.
1172 Pelican Bay Drive
Daytona Beach, Florida 32119

☐ ENVIRONMENTAL SOLUTIONS, INC.
1201 N. McDowell Boulevard
Petaluma, California 94954

☐ ENVIRONMENTAL SOLUTIONS, INC.
2815 Mitchell Drive, Suite 103
Walnut Creek, California 94598

ANALYTICAL REPORT

Our Quality Control Is Your Quality Assurance

LOG NO: G98-01-515

Received: 28 JAN 98

Mailed:

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-515-1	WDI-GMW28-05	28 JAN 98
01-515-2	WDI-GMW21-05	28 JAN 98
01-515-3	WDI-GMW27-05	28 JAN 98
01-515-4	WDI-MWFD27-05	28 JAN 98
01-515-5	WDI-GMW26-05	28 JAN 98

PARAMETER	01-515-1	01-515-2	01-515-3	01-515-4	01-515-5
Digestion (3005), Date	02/12/98	02/12/98	02/12/98	02/12/98	02/12/98
Furnace Digestion (3020), Date	02/12/98	02/12/98	02/12/98	02/12/98	02/12/98
Arsenic (7060), mg/L	<0.002	0.0020	<0.002	<0.002	<0.002
Antimony (6010), mg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Barium (6010), mg/L	0.030	0.027	0.022	0.024	0.028
Beryllium (6010), mg/L	<0.001	<0.001	<0.001	<0.001	<0.001
Cadmium (7131), mg/L	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium (6010), mg/L	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (6010), mg/L	<0.04	<0.04	<0.04	<0.04	<0.04
Copper (6010), mg/L	<0.02	<0.02	<0.02	<0.02	<0.02
Lead (7421), mg/L	0.0025	0.0041	0.0028	0.0059	<0.002
Mercury (7470), mg/L	<0.0002	<0.0002	0.0002	0.0002	0.0016
Molybdenum (6010), mg/L	<0.02	<0.02	<0.02	<0.02	<0.02
Nickel (6010), mg/L	<0.04	<0.04	<0.04	<0.04	<0.04
Selenium (7740), mg/L	0.026	0.014	0.020	0.022	0.021
Silver (6010), mg/L	<0.01	<0.01	<0.01	<0.01	<0.01
Thallium (6010), mg/L	<0.07	<0.07	<0.07	<0.07	<0.07
Vanadium (6010), mg/L	<0.04	<0.04	<0.04	<0.04	<0.04
Zinc (6010), mg/L	0.012	0.049	0.017	0.022	0.018
Aluminum (6010), mg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium (6010), mg/L	250	220	230	240	250
Iron (6010), mg/L	<0.04	<0.04	<0.04	<0.04	<0.04

LOG NO: G98-01-515

Received: 28 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-515-1	WDI-GMW28-05	28 JAN 98
01-515-2	WDI-GMW21-05	28 JAN 98
01-515-3	WDI-GMW27-05	28 JAN 98
01-515-4	WDI-MWFD27-05	28 JAN 98
01-515-5	WDI-GMW26-05	28 JAN 98

PARAMETER	01-515-1	01-515-2	01-515-3	01-515-4	01-515-5
B/N,A Ext.Pri.Poll. (8270)					
Date Analyzed	02/25/98	02/25/98	02/25/98	02/25/98	02/25/98
Date Extracted	02/04/98	02/04/98	02/04/98	02/04/98	02/04/98
Dilution Factor, Times	1	1	1	1	1
1,2,4-Trichlorobenzene, ug/L	<5	<5	<5	<5	<5
1,2-Dichlorobenzene, ug/L	<5	<5	<5	<5	<5
1,2-Diphenylhydrazine, ug/L	<5	<5	<5	<5	<5
1,3-Dichlorobenzene, ug/L	<5	<5	<5	<5	<5
1,4-Dichlorobenzene, ug/L	<5	<5	<5	<5	<5
2,4,5-Trichlorophenol, ug/L	<5	<5	<5	<5	<5
2,4,6-Trichlorophenol, ug/L	<5	<5	<5	<5	<5
2,4-Dichlorophenol, ug/L	<5	<5	<5	<5	<5
2,4-Dimethylphenol, ug/L	<5	<5	<5	<5	<5
2,4-Dinitrophenol, ug/L	<10	<10	<10	<10	<10
2,4-Dinitrotoluene, ug/L	<5	<5	<5	<5	<5
2,6-Dinitrotoluene, ug/L	<5	<5	<5	<5	<5
2-Chloronaphthalene, ug/L	<5	<5	<5	<5	<5
2-Chlorophenol, ug/L	<5	<5	<5	<5	<5
2-Methyl-4,6-dinitrophenol, ug/L	<10	<10	<10	<10	<10
2-Methylnaphthalene, ug/L	<5	<5	<5	<5	<5
2-Methylphenol (o-Cresol), ug/L	<5	<5	<5	<5	<5
2-Nitroaniline, ug/L	<5	<5	<5	<5	<5
2-Nitrophenol, ug/L	<5	<5	<5	<5	<5

LOG NO: G98-01-515

Received: 28 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-515-1	WDI-GMW28-05	28 JAN 98
01-515-2	WDI-GMW21-05	28 JAN 98
01-515-3	WDI-GMW27-05	28 JAN 98
01-515-4	WDI-MWFD27-05	28 JAN 98
01-515-5	WDI-GMW26-05	28 JAN 98

PARAMETER	01-515-1	01-515-2	01-515-3	01-515-4	01-515-5
3,3'-Dichlorobenzidine, ug/L	<10	<10	<10	<10	<10
3-Nitroaniline, ug/L	<5	<5	<5	<5	<5
4-Bromophenylphenylether, ug/L	<5	<5	<5	<5	<5
4-Chloro-3-methylphenol, ug/L	<5	<5	<5	<5	<5
4-Chloroaniline, ug/L	<5	<5	<5	<5	<5
4-Chlorophenylphenylether, ug/L	<5	<5	<5	<5	<5
4-Methylphenol (p-Cresol), ug/L	<10	<10	<10	<10	<10
4-Nitroaniline, ug/L	<5	<5	<5	<5	<5
4-Nitrophenol, ug/L	<10	<10	<10	<10	<10
Acenaphthene, ug/L	<5	<5	<5	<5	<5
Acenaphthylene, ug/L	<5	<5	<5	<5	<5
Aniline, ug/L	<5	<5	<5	<5	<5
Anthracene, ug/L	<5	<5	<5	<5	<5
Benzidine, ug/L	<100	<100	<100	<100	<100
Benzo(a)anthracene, ug/L	<5	<5	<5	<5	<5
Benzo(a)pyrene, ug/L	<5	<5	<5	<5	<5
Benzo(b)fluoranthene, ug/L	<5	<5	<5	<5	<5
Benzo(g,h,i)perylene, ug/L	<5	<5	<5	<5	<5
Benzo(k)fluoranthene, ug/L	<5	<5	<5	<5	<5
Benzyl Alcohol, ug/L	<10	<10	<10	<10	<10
Benzoic acid, ug/L	<50	<50	<50	<50	<50
Butylbenzylphthalate, ug/L	<5	<5	<5	<5	<5
Chrysene, ug/L	<5	<5	<5	<5	<5

LOG NO: G98-01-515

Received: 28 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-515-1	WDI-GMW28-05	28 JAN 98
01-515-2	WDI-GMW21-05	28 JAN 98
01-515-3	WDI-GMW27-05	28 JAN 98
01-515-4	WDI-MWFD27-05	28 JAN 98
01-515-5	WDI-GMW26-05	28 JAN 98

PARAMETER	01-515-1	01-515-2	01-515-3	01-515-4	01-515-5
Di-n-octylphthalate, ug/L	<5	<5	<5	<5	<5
Dibenzo(a,h)anthracene, ug/L	<5	<5	<5	<5	<5
Dibenzofuran, ug/L	<5	<5	<5	<5	<5
Dibutylphthalate, ug/L	<10	<10	<10	<10	<10
Diethylphthalate, ug/L	<10	<10	<10	<10	<10
Dimethylphthalate, ug/L	<5	<5	<5	<5	<5
Fluoranthene, ug/L	<5	<5	<5	<5	<5
Fluorene, ug/L	<5	<5	<5	<5	<5
Hexachlorobenzene, ug/L	<5	<5	<5	<5	<5
Hexachlorobutadiene, ug/L	<5	<5	<5	<5	<5
Hexachlorocyclopentadiene, ug/L	<10	<10	<10	<10	<10
Hexachloroethane, ug/L	<5	<5	<5	<5	<5
Indeno(1,2,3-c,d)pyrene, ug/L	<5	<5	<5	<5	<5
Isophorone, ug/L	<5	<5	<5	<5	<5
N-Nitrosodimethylamine, ug/L	<5	<5	<5	<5	<5
N-Nitrosodiphenylamine, ug/L	<5	<5	<5	<5	<5
N-Nitrosodi-n-propylamine, ug/L	<5	<5	<5	<5	<5
Nitrobenzene, ug/L	<5	<5	<5	<5	<5
Naphthalene, ug/L	<5	<5	<5	<5	<5
Phenanthrene, ug/L	<5	<5	<5	<5	<5
Phenol, ug/L	<5	<5	<5	<5	<5
Pentachlorophenol, ug/L	<10	<10	<10	<10	<10
Pyrene, ug/L	<5	<5	<5	<5	<5

LOG NO: G98-01-515

Received: 28 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-515-1	WDI-GMW28-05	28 JAN 98
01-515-2	WDI-GMW21-05	28 JAN 98
01-515-3	WDI-GMW27-05	28 JAN 98
01-515-4	WDI-MWFD27-05	28 JAN 98
01-515-5	WDI-GMW26-05	28 JAN 98

PARAMETER	01-515-1	01-515-2	01-515-3	01-515-4	01-515-5
Pyridine, ug/L	<10	<10	<10	<10	<10
Bis(2-chloroethoxy)methane, ug/L	<5	<5	<5	<5	<5
Bis(2-chloroethyl)ether, ug/L	<5	<5	<5	<5	<5
Bis(2-chloroisopropyl)ether, ug/L	<5	<5	<5	<5	<5
Bis(2-ethylhexyl)phthalate, ug/L	<10	<10	<10	<10	<10
Surrogates **					
2-Fluorobiphenyl Reported, ug/L	33.2	35.6	31.3	37.3	31.9
2-Fluorobiphenyl Theo., ug/L	50.0	50.0	50.0	50.0	50.0
2-Fluorophenol Reported, ug/L	27.1	39.2	34.5	43.8	33.8
2-Fluorophenol Theoretical, ug/L	75.0	75.0	75.0	75.0	75.0
2,4,6-Tribromophenol Rep., ug/L	58.8	61.6	52.2	66.0	56.3
2,4,6-Tribromophenol Theo., ug/L	75.0	75.0	75.0	75.0	75.0
Nitrobenzene-d5 Reported, ug/L	28.2	34.5	31.2	37.5	32.3
Nitrobenzene-d5 Theoretical, ug/L	50.0	50.0	50.0	50.0	50.0
Phenol-d5 Reported, ug/L	25.4	28.2	23.3	32.4	26.5
Phenol-d5 Theoretical, ug/L	75.0	75.0	75.0	75.0	75.0
Terphenyl-d14 Reported, ug/L	35.5	34.8	30.8	37.8	35.1
Terphenyl-d14 Theoretical, ug/L	50.0	50.0	50.0	50.0	50.0

LOG NO: G98-01-515

Received: 28 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-515-1	WDI-GMW28-05	28 JAN 98
01-515-2	WDI-GMW21-05	28 JAN 98
01-515-3	WDI-GMW27-05	28 JAN 98
01-515-4	WDI-MWFD27-05	28 JAN 98
01-515-5	WDI-GMW26-05	28 JAN 98

PARAMETER	01-515-1	01-515-2	01-515-3	01-515-4	01-515-5
Volatile Organics (8260A)					
Date Analyzed	02/10/98	02/10/98	02/10/98	02/10/98	02/10/98
Dilution Factor, Times	1	1	1	1	1
1,1,1-Trichloroethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
2-Chloroethylvinylether, ug/L	<4	<4	<4	<4	<4
2-Hexanone, ug/L	<5	<5	<5	<5	<5
Acetone, ug/L	<10	<10	<10	<10	<10
Bromodichloromethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Bromomethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Benzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Bromoform, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Carbon Tetrachloride, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane, ug/L	<1	<1	<1	<1	<1
Carbon Disulfide, ug/L	<2	<2	<2	<2	<2

LOG NO: G98-01-515

Received: 28 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-515-1	WDI-GMW28-05	28 JAN 98
01-515-2	WDI-GMW21-05	28 JAN 98
01-515-3	WDI-GMW27-05	28 JAN 98
01-515-4	WDI-MWFD27-05	28 JAN 98
01-515-5	WDI-GMW26-05	28 JAN 98

PARAMETER	01-515-1	01-515-2	01-515-3	01-515-4	01-515-5
Dibromochloromethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Methyl ethyl ketone, ug/L	<10	<10	<10	<10	<10
Methyl isobutyl ketone, ug/L	<4	<4	<4	<4	<4
Methylene chloride, ug/L	<2	<2	<2	<2	<2
Trichloroethene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl acetate, ug/L	<5	<5	<5	<5	<5
Vinyl chloride, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Surrogates **					
4-Bromofluorobenzene Rep., ug/L	46.3	46.2	45.7	45.2	45.8
4-Bromofluorobenzene Theo., ug/L	50.0	50.0	50.0	50.0	50.0
Toluene-d8 Reported, ug/L	48.1	47.7	48.0	47.0	48.0
Toluene-d8 Theo., ug/L	50.0	50.0	50.0	50.0	50.0
Dibromofluoromethane Rep., ug/L	48.7	48.4	48.2	48.3	46.8
Dibromofluoromethane Theo., ug/L	50.0	50.0	50.0	50.0	50.0

LOG NO: G98-01-515

Received: 28 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-515-6	WDI-GMW14-05	28 JAN 98
01-515-7	WDI-GMW23-05	28 JAN 98

PARAMETER	01-515-6	01-515-7
Digestion (3005), Date	02/12/98	02/12/98
Furnace Digestion (3020), Date	02/12/98	02/12/98
Arsenic (7060), mg/L	<0.002	<0.002
Antimony (6010), mg/L	<0.1	<0.1
Barium (6010), mg/L	0.026	0.024
Beryllium (6010), mg/L	<0.001	<0.001
Cadmium (7131), mg/L	<0.001	<0.001
Chromium (6010), mg/L	<0.01	<0.01
Cobalt (6010), mg/L	<0.04	<0.04
Copper (6010), mg/L	<0.02	<0.02
Lead (7421), mg/L	0.0066	0.0020
Mercury (7470), mg/L	<0.0002	<0.0002
Molybdenum (6010), mg/L	<0.02	<0.02
Nickel (6010), mg/L	<0.04	<0.04
Selenium (7740), mg/L	<0.004	0.016
Silver (6010), mg/L	<0.01	0.010
Thallium (6010), mg/L	<0.07	<0.07
Vanadium (6010), mg/L	<0.04	<0.04
Zinc (6010), mg/L	0.037	<0.01
Aluminum (6010), mg/L	<0.1	<0.1
Calcium (6010), mg/L	270	280
Iron (6010), mg/L	<0.04	<0.04

LOG NO: G98-01-515

Received: 28 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-515-6	WDI-GMW14-05	28 JAN 98
01-515-7	WDI-GMW23-05	28 JAN 98

PARAMETER	01-515-6	01-515-7
B/N,A Ext.Pri.Poll. (8270)		
Date Analyzed	02/25/98	02/25/98
Date Extracted	02/04/98	02/04/98
Dilution Factor, Times	1	1
1,2,4-Trichlorobenzene, ug/L	<5	<5
1,2-Dichlorobenzene, ug/L	<5	<5
1,2-Diphenylhydrazine, ug/L	<5	<5
1,3-Dichlorobenzene, ug/L	<5	<5
1,4-Dichlorobenzene, ug/L	<5	<5
2,4,5-Trichlorophenol, ug/L	<5	<5
2,4,6-Trichlorophenol, ug/L	<5	<5
2,4-Dichlorophenol, ug/L	<5	<5
2,4-Dimethylphenol, ug/L	<5	<5
2,4-Dinitrophenol, ug/L	<10	<10
2,4-Dinitrotoluene, ug/L	<5	<5
2,6-Dinitrotoluene, ug/L	<5	<5
2-Chloronaphthalene, ug/L	<5	<5
2-Chlorophenol, ug/L	<5	<5
2-Methyl-4,6-dinitrophenol, ug/L	<10	<10
2-Methylnaphthalene, ug/L	<5	<5
2-Methylphenol (o-Cresol), ug/L	<5	<5
2-Nitroaniline, ug/L	<5	<5
2-Nitrophenol, ug/L	<5	<5
3,3'-Dichlorobenzidine, ug/L	<10	<10
3-Nitroaniline, ug/L	<5	<5
4-Bromophenylphenylether, ug/L	<5	<5

LOG NO: G98-01-515

Received: 28 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-515-6	WDI-GMW14-05	28 JAN 98
01-515-7	WDI-GMW23-05	28 JAN 98

PARAMETER	01-515-6	01-515-7
4-Chloro-3-methylphenol, ug/L	<5	<5
4-Chloroaniline, ug/L	<5	<5
4-Chlorophenylphenylether, ug/L	<5	<5
4-Methylphenol (p-Cresol), ug/L	<10	<10
4-Nitroaniline, ug/L	<5	<5
4-Nitrophenol, ug/L	<10	<10
Acenaphthene, ug/L	<5	<5
Acenaphthylene, ug/L	<5	<5
Aniline, ug/L	<5	<5
Anthracene, ug/L	<5	<5
Benzidine, ug/L	<100	<100
Benzo(a)anthracene, ug/L	<5	<5
Benzo(a)pyrene, ug/L	<5	<5
Benzo(b)fluoranthene, ug/L	<5	<5
Benzo(g,h,i)perylene, ug/L	<5	<5
Benzo(k)fluoranthene, ug/L	<5	<5
Benzyl Alcohol, ug/L	<10	<10
Benzoic acid, ug/L	<50	<50
Butylbenzylphthalate, ug/L	<5	<5
Chrysene, ug/L	<5	<5
Di-n-octylphthalate, ug/L	<5	<5
Dibenzo(a,h)anthracene, ug/L	<5	<5
Dibenzofuran, ug/L	<5	<5
Dibutylphthalate, ug/L	<10	<10
Diethylphthalate, ug/L	<10	<10
Dimethylphthalate, ug/L	<5	<5

LOG NO: G98-01-515

Received: 28 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-515-6	WDI-GMW14-05	28 JAN 98
01-515-7	WDI-GMW23-05	28 JAN 98

PARAMETER	01-515-6	01-515-7	
Fluoranthene, ug/L	<5	<5	
Fluorene, ug/L	<5	<5	
Hexachlorobenzene, ug/L	<5	<5	
Hexachlorobutadiene, ug/L	<5	<5	
Hexachlorocyclopentadiene, ug/L	<10	<10	
Hexachloroethane, ug/L	<5	<5	
Indeno(1,2,3-c,d)pyrene, ug/L	<5	<5	
Isophorone, ug/L	<5	<5	
N-Nitrosodimethylamine, ug/L	<5	<5	
N-Nitrosodiphenylamine, ug/L	<5	<5	
N-Nitrosodi-n-propylamine, ug/L	<5	<5	
Nitrobenzene, ug/L	<5	<5	
Naphthalene, ug/L	<5	<5	
Phenanthrene, ug/L	<5	<5	
Phenol, ug/L	<5	<5	
Pentachlorophenol, ug/L	<10	<10	
Pyrene, ug/L	<5	<5	
Pyridine, ug/L	<10	<10	
Bis(2-chloroethoxy)methane, ug/L	<5	<5	
Bis(2-chloroethyl)ether, ug/L	<5	<5	
Bis(2-chloroisopropyl)ether, ug/L	<5	<5	
Bis(2-ethylhexyl)phthalate, ug/L	<10	<10	
Surrogates **			
2-Fluorobiphenyl Reported, ug/L	39.2	35.5	
2-Fluorobiphenyl Theo., ug/L	50.0	50.0	
2-Fluorophenol Reported, ug/L	40.8	36.8	

LOG NO: G98-01-515

Received: 28 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-515-6	WDI-GMW14-05	28 JAN 98
01-515-7	WDI-GMW23-05	28 JAN 98

PARAMETER	01-515-6	01-515-7
2-Fluorophenol Theoretical, ug/L	75.0	75.0
2,4,6-Tribromophenol Rep., ug/L	75.2	60.0
2,4,6-Tribromophenol Theo., ug/L	75.0	75.0
Nitrobenzene-d5 Reported, ug/L	40.1	38.4
Nitrobenzene-d5 Theoretical, ug/L	50.0	50.0
Phenol-d5 Reported, ug/L	31.6	28.7
Phenol-d5 Theoretical, ug/L	75.0	75.0
Terphenyl-d14 Reported, ug/L	42.7	33.7
Terphenyl-d14 Theoretical, ug/L	50.0	50.0

LOG NO: G98-01-515

Received: 28 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-515-6	WDI-GMW14-05	28 JAN 98
01-515-7	WDI-GMW23-05	28 JAN 98

PARAMETER	01-515-6	01-515-7	
Volatile Organics (8260A)			
Date Analyzed	02/10/98	02/10/98	
Dilution Factor, Times	1	1	
1,1,1-Trichloroethane, ug/L	<0.5	<0.5	
1,1,2,2-Tetrachloroethane, ug/L	<0.5	<0.5	
1,1,2-Trichloroethane, ug/L	<0.5	<0.5	
1,1-Dichloroethane, ug/L	<0.5	<0.5	
1,1-Dichloroethene, ug/L	<0.5	<0.5	
1,2-Dibromoethane, ug/L	<0.5	<0.5	
1,2-Dichloroethane, ug/L	<0.5	<0.5	
1,2-Dichloropropane, ug/L	<0.5	<0.5	
2-Chloroethylvinylether, ug/L	<4	<4	
2-Hexanone, ug/L	<5	<5	
Acetone, ug/L	<10	<10	
Bromodichloromethane, ug/L	<0.5	<0.5	
Bromomethane, ug/L	<0.5	<0.5	
Benzene, ug/L	<0.5	<0.5	
Bromoform, ug/L	<0.5	<0.5	
Carbon Tetrachloride, ug/L	<0.5	<0.5	
Chloroethane, ug/L	<0.5	<0.5	
Chloroform, ug/L	<0.5	<0.5	
Chloromethane, ug/L	<1	<1	
Carbon Disulfide, ug/L	<2	<2	
Dibromochloromethane, ug/L	<0.5	<0.5	
Methyl ethyl ketone, ug/L	<10	<10	
Methyl isobutyl ketone, ug/L	<4	<4	

LOG NO: G98-01-515

Received: 28 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-515-6	WDI-GMW14-05	28 JAN 98
01-515-7	WDI-GMW23-05	28 JAN 98

PARAMETER	01-515-6	01-515-7	
Methylene chloride, ug/L	<2	<2	
Trichloroethene, ug/L	<0.5	<0.5	
Tetrachloroethene, ug/L	<0.5	<0.5	
Vinyl acetate, ug/L	<5	<5	
Vinyl chloride, ug/L	<0.5	<0.5	
cis-1,2-Dichloroethene, ug/L	<0.5	<0.5	
cis-1,3-Dichloropropene, ug/L	<0.5	<0.5	
trans-1,2-Dichloroethene, ug/L	<0.5	<0.5	
trans-1,3-Dichloropropene, ug/L	<0.5	<0.5	
Surrogates **			
4-Bromofluorobenzene Rep., ug/L	44.8	45.3	
4-Bromofluorobenzene Theo., ug/L	50.0	50.0	
Toluene-d8 Reported, ug/L	47.6	47.5	
Toluene-d8 Theo., ug/L	50.0	50.0	
Dibromofluoromethane Rep., ug/L	47.9	47.2	
Dibromofluoromethane Theo., ug/L	50.0	50.0	

LOG NO: G98-01-515

Received: 28 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-515-8	WDI-MWFB23-05	28 JAN 98
01-515-9	WDI-MWFR23-05	28 JAN 98

PARAMETER	01-515-8	01-515-9
Digestion (3005), Date	02/12/98	02/12/98
Furnace Digestion (3020), Date	02/12/98	02/12/98
Arsenic (7060), mg/L	0.0030	<0.002
Antimony (6010), mg/L	<0.1	<0.1
Barium (6010), mg/L	0.090	<0.005
Beryllium (6010), mg/L	<0.001	<0.001
Cadmium (7131), mg/L	<0.001	<0.001
Chromium (6010), mg/L	<0.01	<0.01
Cobalt (6010), mg/L	<0.04	<0.04
Copper (6010), mg/L	<0.02	<0.02
Lead (7421), mg/L	<0.002	<0.002
Mercury (7470), mg/L	<0.0002	<0.0002
Molybdenum (6010), mg/L	<0.02	<0.02
Nickel (6010), mg/L	<0.04	<0.04
Selenium (7740), mg/L	<0.004	<0.004
Silver (6010), mg/L	<0.01	<0.01
Thallium (6010), mg/L	<0.07	<0.07
Vanadium (6010), mg/L	<0.04	<0.04
Zinc (6010), mg/L	0.057	0.065
Aluminum (6010), mg/L	<0.1	<0.1
Calcium (6010), mg/L	84	<0.5
Iron (6010), mg/L	0.10	0.059

LOG NO: G98-01-515

Received: 28 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-515-8	WDI-MWFB23-05	28 JAN 98
01-515-9	WDI-MWFR23-05	28 JAN 98

PARAMETER	01-515-8	01-515-9	
B/N,A Ext.Pri.Poll. (8270)			
Date Analyzed	02/26/98	02/26/98	
Date Extracted	02/04/98	02/04/98	
Dilution Factor, Times	1	1	
1,2,4-Trichlorobenzene, ug/L	<5	<5	
1,2-Dichlorobenzene, ug/L	<5	<5	
1,2-Diphenylhydrazine, ug/L	<5	<5	
1,3-Dichlorobenzene, ug/L	<5	<5	
1,4-Dichlorobenzene, ug/L	<5	<5	
2,4,5-Trichlorophenol, ug/L	<5	<5	
2,4,6-Trichlorophenol, ug/L	<5	<5	
2,4-Dichlorophenol, ug/L	<5	<5	
2,4-Dimethylphenol, ug/L	<5	<5	
2,4-Dinitrophenol, ug/L	<10	<10	
2,4-Dinitrotoluene, ug/L	<5	<5	
2,6-Dinitrotoluene, ug/L	<5	<5	
2-Chloronaphthalene, ug/L	<5	<5	
2-Chlorophenol, ug/L	<5	<5	
2-Methyl-4,6-dinitrophenol, ug/L	<10	<10	
2-Methylnaphthalene, ug/L	<5	<5	
2-Methylphenol (o-Cresol), ug/L	<5	<5	
2-Nitroaniline, ug/L	<5	<5	
2-Nitrophenol, ug/L	<5	<5	
3,3'-Dichlorobenzidine, ug/L	<10	<10	
3-Nitroaniline, ug/L	<5	<5	
4-Bromophenylphenylether, ug/L	<5	<5	

LOG NO: G98-01-515

Received: 28 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-515-8	WDI-MWFB23-05	28 JAN 98
01-515-9	WDI-MWFR23-05	28 JAN 98

PARAMETER	01-515-8	01-515-9	
4-Chloro-3-methylphenol, ug/L	<5	<5	
4-Chloroaniline, ug/L	<5	<5	
4-Chlorophenylphenylether, ug/L	<5	<5	
4-Methylphenol (p-Cresol), ug/L	<10	<10	
4-Nitroaniline, ug/L	<5	<5	
4-Nitrophenol, ug/L	<10	<10	
Acenaphthene, ug/L	<5	<5	
Acenaphthylene, ug/L	<5	<5	
Aniline, ug/L	<5	<5	
Anthracene, ug/L	<5	<5	
Benzidine, ug/L	<100	<100	
Benzo(a)anthracene, ug/L	<5	<5	
Benzo(a)pyrene, ug/L	<5	<5	
Benzo(b)fluoranthene, ug/L	<5	<5	
Benzo(g,h,i)perylene, ug/L	<5	<5	
Benzo(k)fluoranthene, ug/L	<5	<5	
Benzyl Alcohol, ug/L	<10	<10	
Benzoic acid, ug/L	<50	<50	
Butylbenzylphthalate, ug/L	<5	<5	
Chrysene, ug/L	<5	<5	
Di-n-octylphthalate, ug/L	<5	<5	
Dibenzo(a,h)anthracene, ug/L	<5	<5	
Dibenzofuran, ug/L	<5	<5	
Dibutylphthalate, ug/L	<10	<10	
Diethylphthalate, ug/L	<10	<10	
Dimethylphthalate, ug/L	<5	<5	

LOG NO: G98-01-515

Received: 28 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-515-8	WDI-MWFB23-05	28 JAN 98
01-515-9	WDI-MWFR23-05	28 JAN 98

PARAMETER	01-515-8	01-515-9	
Fluoranthene, ug/L	<5	<5	
Fluorene, ug/L	<5	<5	
Hexachlorobenzene, ug/L	<5	<5	
Hexachlorobutadiene, ug/L	<5	<5	
Hexachlorocyclopentadiene, ug/L	<10	<10	
Hexachloroethane, ug/L	<5	<5	
Indeno(1,2,3-c,d)pyrene, ug/L	<5	<5	
Isophorone, ug/L	<5	<5	
N-Nitrosodimethylamine, ug/L	<5	<5	
N-Nitrosodiphenylamine, ug/L	<5	<5	
N-Nitrosodi-n-propylamine, ug/L	<5	<5	
Nitrobenzene, ug/L	<5	<5	
Naphthalene, ug/L	<5	<5	
Phenanthrene, ug/L	<5	<5	
Phenol, ug/L	<5	<5	
Pentachlorophenol, ug/L	<10	<10	
Pyrene, ug/L	<5	<5	
Pyridine, ug/L	<10	<10	
Bis(2-chloroethoxy)methane, ug/L	<5	<5	
Bis(2-chloroethyl)ether, ug/L	<5	<5	
Bis(2-chloroisopropyl)ether, ug/L	<5	<5	
Bis(2-ethylhexyl)phthalate, ug/L	<10	<10	
Surrogates **			
2-Fluorobiphenyl Reported, ug/L	36.3	38.6	
2-Fluorobiphenyl Theo., ug/L	50.0	50.0	
2-Fluorophenol Reported, ug/L	34.8	40.5	

LOG NO: G98-01-515

Received: 28 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-515-8	WDI-MWFB23-05	28 JAN 98
01-515-9	WDI-MWFR23-05	28 JAN 98

PARAMETER	01-515-8	01-515-9
2-Fluorophenol Theoretical, ug/L	75.0	75.0
2,4,6-Tribromophenol Rep., ug/L	56.1	67.8
2,4,6-Tribromophenol Theo., ug/L	75.0	75.0
Nitrobenzene-d5 Reported, ug/L	37.2	41.4
Nitrobenzene-d5 Theoretical, ug/L	50.0	50.0
Phenol-d5 Reported, ug/L	18.5	30.2
Phenol-d5 Theoretical, ug/L	75.0	75.0
Terphenyl-d14 Reported, ug/L	36.2	40.7
Terphenyl-d14 Theoretical, ug/L	50.0	50.0

LOG NO: G98-01-515

Received: 28 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-515-8	WDI-MWFB23-05	28 JAN 98
01-515-9	WDI-MWFR23-05	28 JAN 98

PARAMETER	01-515-8	01-515-9			
Volatile Organics (8260A)					
Date Analyzed	02/10/98	02/10/98			
Dilution Factor, Times	1	1			
1,1,1-Trichloroethane, ug/L	<0.5	<0.5			
1,1,2,2-Tetrachloroethane, ug/L	<0.5	<0.5			
1,1,2-Trichloroethane, ug/L	<0.5	<0.5			
1,1-Dichloroethane, ug/L	<0.5	<0.5			
1,1-Dichloroethene, ug/L	<0.5	<0.5			
1,2-Dibromoethane, ug/L	<0.5	<0.5			
1,2-Dichloroethane, ug/L	<0.5	<0.5			
1,2-Dichloropropane, ug/L	<0.5	<0.5			
2-Chloroethylvinylether, ug/L	<4	<4			
2-Hexanone, ug/L	<5	<5			
Acetone, ug/L	<10	<10			
Bromodichloromethane, ug/L	8.1	<0.5			
Bromomethane, ug/L	<0.5	<0.5			
Benzene, ug/L	<0.5	<0.5			
Bromoform, ug/L	<0.5	<0.5			
Carbon Tetrachloride, ug/L	<0.5	<0.5			
Chloroethane, ug/L	<0.5	<0.5			
Chloroform, ug/L	5.1	<0.5			
Chloromethane, ug/L	<1	<1			
Carbon Disulfide, ug/L	<2	<2			
Dibromochloromethane, ug/L	<0.5	<0.5			
Methyl ethyl ketone, ug/L	<10	<10			
Methyl isobutyl ketone, ug/L	<4	<4			

LOG NO: G98-01-515

Received: 28 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-515-8	WDI-MWFB23-05	28 JAN 98
01-515-9	WDI-MWFR23-05	28 JAN 98

PARAMETER	01-515-8	01-515-9
Methylene chloride, ug/L	<2	<2
Trichloroethene, ug/L	<0.5	<0.5
Tetrachloroethene, ug/L	<0.5	<0.5
Vinyl acetate, ug/L	<5	<5
Vinyl chloride, ug/L	<0.5	<0.5
cis-1,2-Dichloroethene, ug/L	<0.5	<0.5
cis-1,3-Dichloropropene, ug/L	<0.5	<0.5
trans-1,2-Dichloroethene, ug/L	<0.5	<0.5
trans-1,3-Dichloropropene, ug/L	<0.5	<0.5
Surrogates **		
4-Bromofluorobenzene Rep., ug/L	45.0	44.7
4-Bromofluorobenzene Theo., ug/L	50.0	50.0
Toluene-d8 Reported, ug/L	47.9	46.9
Toluene-d8 Theo., ug/L	50.0	50.0
Dibromofluoromethane Rep., ug/L	48.3	47.4
Dibromofluoromethane Theo., ug/L	50.0	50.0

LOG NO: G98-01-515

Received: 28 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-515-10	WDI-MWTB28-05	28 JAN 98

PARAMETER	01-515-10
Volatile Organics (8260A)	
Date Analyzed	02/10/98
Dilution Factor, Times	1
1,1,1-Trichloroethane, ug/L	<0.5
1,1,2,2-Tetrachloroethane, ug/L	<0.5
1,1,2-Trichloroethane, ug/L	<0.5
1,1-Dichloroethane, ug/L	<0.5
1,1-Dichloroethene, ug/L	<0.5
1,2-Dibromoethane, ug/L	<0.5
1,2-Dichloroethane, ug/L	<0.5
1,2-Dichloropropane, ug/L	<0.5
2-Chloroethylvinylether, ug/L	<4
2-Hexanone, ug/L	<5
Acetone, ug/L	<10
Bromodichloromethane, ug/L	<0.5
Bromomethane, ug/L	<0.5
Benzene, ug/L	<0.5
Bromoform, ug/L	<0.5
Carbon Tetrachloride, ug/L	<0.5
Chloroethane, ug/L	<0.5
Chloroform, ug/L	<0.5
Chloromethane, ug/L	<1
Carbon Disulfide, ug/L	<2
Dibromochloromethane, ug/L	<0.5
Methyl ethyl ketone, ug/L	<10
Methyl isobutyl ketone, ug/L	<4
Methylene chloride, ug/L	<2

LOG NO: G98-01-515

Received: 28 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-515-10	WDI-MWTB28-05	28 JAN 98

PARAMETER	01-515-10
Trichloroethene, ug/L	<0.5
Tetrachloroethene, ug/L	<0.5
Vinyl acetate, ug/L	<5
Vinyl chloride, ug/L	<0.5
cis-1,2-Dichloroethene, ug/L	<0.5
cis-1,3-Dichloropropene, ug/L	<0.5
trans-1,2-Dichloroethene, ug/L	<0.5
trans-1,3-Dichloropropene, ug/L	<0.5
Surrogates **	
4-Bromofluorobenzene Rep., ug/L	44.7
4-Bromofluorobenzene Theo., ug/L	50.0
Toluene-d8 Reported, ug/L	47.3
Toluene-d8 Theo., ug/L	50.0
Dibromofluoromethane Rep., ug/L	46.7
Dibromofluoromethane Theo., ug/L	50.0

LOG NO: G98-01-515

Received: 28 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-515-11	WDI-GMW28-05 Unfilter	28 JAN 98
01-515-12	WDI-GMW21-05 Unfilter	28 JAN 98
01-515-13	WDI-GMW27-05 Unfilter	28 JAN 98
01-515-14	WDI-MWFD27-05 Unfilter	28 JAN 98
01-515-15	WDI-GMW26-05 Unfilter	28 JAN 98

PARAMETER	01-515-11	01-515-12	01-515-13	01-515-14	01-515-15
Digestion (3005), Date	02/12/98	02/12/98	02/12/98	02/12/98	02/12/98
Furnace Digestion (3020), Date	02/12/98	02/12/98	02/12/98	02/12/98	02/12/98
Arsenic (7060), mg/L	<0.002	<0.002	<0.002	0.0024	<0.002
Antimony (6010), mg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Barium (6010), mg/L	0.029	0.028	0.022	0.023	0.035
Beryllium (6010), mg/L	<0.001	<0.001	<0.001	<0.001	<0.001
Cadmium (7131), mg/L	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium (6010), mg/L	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (6010), mg/L	<0.04	<0.04	<0.04	<0.04	<0.04
Copper (6010), mg/L	<0.02	<0.02	<0.02	<0.02	0.020
Lead (7421), mg/L	<0.002	<0.002	<0.002	<0.002	<0.002
Mercury (7470), mg/L	<0.0002	<0.0002	0.0002	0.0003	0.0010
Molybdenum (6010), mg/L	<0.02	<0.02	<0.02	<0.02	<0.02
Nickel (6010), mg/L	<0.04	<0.04	<0.04	<0.04	<0.04
Selenium (7740), mg/L	0.029	0.014	0.020	0.021	0.023
Silver (6010), mg/L	<0.01	<0.01	<0.01	<0.01	<0.01
Thallium (6010), mg/L	<0.07	<0.07	<0.07	<0.07	<0.07
Vanadium (6010), mg/L	<0.04	<0.04	<0.04	<0.04	<0.04
Zinc (6010), mg/L	<0.01	<0.01	<0.01	<0.01	0.023
Aluminum (6010), mg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium (6010), mg/L	250	240	230	240	300
Iron (6010), mg/L	<0.04	0.047	<0.04	<0.04	0.060

LOG NO: G98-01-515

Received: 28 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-515-16	WDI-GMW14-05 Unfilter	28 JAN 98
01-515-17	WDI-GMW23-05 Unfilter	28 JAN 98

PARAMETER	01-515-16	01-515-17	
Digestion (3005), Date	02/12/98	02/12/98	
Furnace Digestion (3020), Date	02/12/98	02/12/98	
Arsenic (7060), mg/L	<0.002	<0.002	
Antimony (6010), mg/L	<0.1	<0.1	
Barium (6010), mg/L	0.026	0.022	
Beryllium (6010), mg/L	<0.001	<0.001	
Cadmium (7131), mg/L	<0.001	<0.001	
Chromium (6010), mg/L	<0.01	<0.01	
Cobalt (6010), mg/L	<0.04	<0.04	
Copper (6010), mg/L	<0.02	<0.02	
Lead (7421), mg/L	<0.002	<0.002	
Mercury (7470), mg/L	<0.0002	<0.0002	
Molybdenum (6010), mg/L	<0.02	<0.02	
Nickel (6010), mg/L	<0.04	<0.04	
Selenium (7740), mg/L	0.0055	0.019	
Silver (6010), mg/L	<0.01	<0.01	
Thallium (6010), mg/L	<0.07	<0.07	
Vanadium (6010), mg/L	<0.04	<0.04	
Zinc (6010), mg/L	<0.01	<0.01	
Aluminum (6010), mg/L	<0.1	<0.1	
Calcium (6010), mg/L	270	280	
Iron (6010), mg/L	0.070	<0.04	

LOG NO: G98-01-515

Received: 28 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

Fred Haley, Laboratory Director

The analytical results within this report relate only to the specific compounds and samples investigated and may not necessarily reflect other apparently similar material from the same or a similar location.

This report shall not be reproduced, except in full, without the written approval of VOC. No use of this report for promotional or advertising purposes is permitted without prior written VOC approval.

: ORDER PLACED FOR CLIENT: Environmental Solutions, Inc. 9801515 :
: VOC ANALYTICAL : GLEN LAB : 11:22:14 16 MAR 1998 - P. 1 :

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
9801515*1	WDI-GMW28-05	DIG,AQ.HCL	02.12.98	3005		98432	7620
		DIG,AQ,GFA	02.12.98	3020		98430	7620
		AS,GFA	02.14.98	7060	534-07	98430	1003
		SB	02.13.98	6010	535-02	98432	8488
		BA	02.13.98	6010	535-02	98432	8488
		BE	02.13.98	6010	535-02	98432	8488
		CD,GFA	02.17.98	7131	534-04	98430	1003
		CR	02.13.98	6010	535-02	98432	8488
		CO	02.13.98	6010	535-02	98432	8488
		CU	02.13.98	6010	535-02	98432	8488
		PB,GFA	02.14.98	7421	534-07	98430	1003
		HG	02.12.98	7470	534-06	98416	8488
		MO	02.13.98	6010	535-02	98432	8488
		NI	02.13.98	6010	535-02	98432	8488
		SE,GFA	02.14.98	7740	534-07	98430	1003
		AG	02.13.98	6010	535-02	98432	8488
		TL	02.13.98	6010	535-02	98432	8488
		V	02.13.98	6010	535-02	98432	8488
		ZN	02.13.98	6010	535-02	98432	8488
		AL	02.13.98	6010	535-02	98432	8488
		CA	02.13.98	6010	535-02	98432	8488
		FE	02.13.98	6010	535-02	98432	8488
		BNA.8270.HSL	02.25.98	8270	537-14	9822	1009
		VOA,8260.WDI	02.10.98	8260A	537-06	986031	
9801515*2	WDI-GMW21-05	DIG,AQ.HCL	02.12.98	3005		98432	7620
		DIG,AQ,GFA	02.12.98	3020		98430	7620
		AS,GFA	02.14.98	7060	534-07	98430	1003
		SB	02.13.98	6010	535-02	98432	8488
		BA	02.13.98	6010	535-02	98432	8488
		BE	02.13.98	6010	535-02	98432	8488
		CD,GFA	02.17.98	7131	534-04	98430	1003
		CR	02.13.98	6010	535-02	98432	8488
		CO	02.13.98	6010	535-02	98432	8488
		CU	02.13.98	6010	535-02	98432	8488
		PB,GFA	02.14.98	7421	534-07	98430	1003
		HG	02.12.98	7470	534-06	98416	8488
		MO	02.13.98	6010	535-02	98432	8488
		NI	02.13.98	6010	535-02	98432	8488
		SE,GFA	02.14.98	7740	534-07	98430	1003
		AG	02.13.98	6010	535-02	98432	8488
		TL	02.13.98	6010	535-02	98432	8488
		V	02.13.98	6010	535-02	98432	8488
		ZN	02.13.98	6010	535-02	98432	8488
		AL	02.13.98	6010	535-02	98432	8488

Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.

ID.NO = VOC Analytical employee identification number of analyst.

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
		CA	02.13.98	6010	535-02	98432	8488
		FE	02.13.98	6010	535-02	98432	8488
		BNA.8270.HSL	02.25.98	8270	537-14	9822	1009
		VOA,8260.WDI	02.10.98	8260A	537-06	986032	1020
9801515*3	WDI-GMW27-05	DIG,AQ.HCL	02.12.98	3005		98432	7620
		DIG,AQ,GFA	02.12.98	3020		98430	7620
		AS,GFA	02.14.98	7060	534-07	98430	1003
		SB	02.13.98	6010	535-02	98432	8488
		BA	02.13.98	6010	535-02	98432	8488
		BE	02.13.98	6010	535-02	98432	8488
		CD,GFA	02.17.98	7131	534-04	98430	1003
		CR	02.13.98	6010	535-02	98432	8488
		CO	02.13.98	6010	535-02	98432	8488
		CU	02.13.98	6010	535-02	98432	8488
		PB,GFA	02.14.98	7421	534-07	98430	1003
		HG	02.12.98	7470	534-06	98416	8488
		MO	02.13.98	6010	535-02	98432	8488
		NI	02.13.98	6010	535-02	98432	8488
		SE,GFA	02.14.98	7740	534-07	98430	1003
		AG	02.13.98	6010	535-02	98432	8488
		TL	02.13.98	6010	535-02	98432	8488
		V	02.13.98	6010	535-02	98432	8488
		ZN	02.13.98	6010	535-02	98432	8488
		AL	02.13.98	6010	535-02	98432	8488
		CA	02.13.98	6010	535-02	98432	8488
		FE	02.13.98	6010	535-02	98432	8488
		BNA.8270.HSL	02.25.98	8270	537-14	9822	1009
		VOA,8260.WDI	02.10.98	8260A	537-06	986032	1020
9801515*4	WDI-MWFD27-05	DIG,AQ.HCL	02.12.98	3005		98432	7620
		DIG,AQ,GFA	02.12.98	3020		98430	7620
		AS,GFA	02.14.98	7060	534-07	98430	1003
		SB	02.13.98	6010	535-02	98432	8488
		BA	02.13.98	6010	535-02	98432	8488
		BE	02.13.98	6010	535-02	98432	8488
		CD,GFA	02.17.98	7131	534-04	98430	1003
		CR	02.13.98	6010	535-02	98432	8488
		CO	02.13.98	6010	535-02	98432	8488
		CU	02.13.98	6010	535-02	98432	8488
		PB,GFA	02.14.98	7421	534-07	98430	1003
		HG	02.12.98	7470	534-06	98416	8488
		MO	02.13.98	6010	535-02	98432	8488
		NI	02.13.98	6010	535-02	98432	8488
		SE,GFA	02.14.98	7740	534-07	98430	1003
		AG	02.13.98	6010	535-02	98432	8488

Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.

ID.NO = VOC Analytical employee identification number of analyst.

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
		TL	02.13.98	6010	535-02	98432	8488
		V	02.13.98	6010	535-02	98432	8488
		ZN	02.13.98	6010	535-02	98432	8488
		AL	02.13.98	6010	535-02	98432	8488
		CA	02.13.98	6010	535-02	98432	8488
		FE	02.13.98	6010	535-02	98432	8488
		BNA.8270.HSL	02.25.98	8270	537-14	9822	1009
		VOA,8260.WDI	02.10.98	8260A	537-06	986032	1020
9801515*5	WDI-GMW26-05	DIG,AQ.HCL	02.12.98	3005		98432	7620
		DIG,AQ,GFA	02.12.98	3020		98430	7620
		AS,GFA	02.14.98	7060	534-07	98430	1003
		SB	02.13.98	6010	535-02	98432	8488
		BA	02.13.98	6010	535-02	98432	8488
		BE	02.13.98	6010	535-02	98432	8488
		CD,GFA	02.17.98	7131	534-04	98430	1003
		CR	02.13.98	6010	535-02	98432	8488
		CO	02.13.98	6010	535-02	98432	8488
		CU	02.13.98	6010	535-02	98432	8488
		PB,GFA	02.14.98	7421	534-07	98430	1003
		HG	02.12.98	7470	534-06	98416	8488
		MO	02.13.98	6010	535-02	98432	8488
		NI	02.13.98	6010	535-02	98432	8488
		SE,GFA	02.14.98	7740	534-07	98430	1003
		AG	02.13.98	6010	535-02	98432	8488
		TL	02.13.98	6010	535-02	98432	8488
		V	02.13.98	6010	535-02	98432	8488
		ZN	02.13.98	6010	535-02	98432	8488
		AL	02.13.98	6010	535-02	98432	8488
		CA	02.13.98	6010	535-02	98432	8488
		FE	02.13.98	6010	535-02	98432	8488
		BNA.8270.HSL	02.25.98	8270	537-14	9822	1009
		VOA,8260.WDI	02.10.98	8260A	537-06	986032	1020
9801515*6	WDI-GMW14-05	DIG,AQ.HCL	02.12.98	3005		98432	7620
		DIG,AQ,GFA	02.12.98	3020		98430	7620
		AS,GFA	02.14.98	7060	534-07	98430	1003
		SB	02.13.98	6010	535-02	98432	8488
		BA	02.13.98	6010	535-02	98432	8488
		BE	02.13.98	6010	535-02	98432	8488
		CD,GFA	02.17.98	7131	534-04	98430	1003
		CR	02.13.98	6010	535-02	98432	8488
		CO	02.13.98	6010	535-02	98432	8488
		CU	02.13.98	6010	535-02	98432	8488
		PB,GFA	02.14.98	7421	534-07	98430	1003
		HG	02.12.98	7470	534-06	98416	8488

Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.

ID.NO = VOC Analytical employee identification number of analyst.

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
		MO	02.13.98	6010	535-02	98432	8488
		NI	02.13.98	6010	535-02	98432	8488
		SE,GFA	02.14.98	7740	534-07	98430	1003
		AG	02.13.98	6010	535-02	98432	8488
		TL	02.13.98	6010	535-02	98432	8488
		V	02.13.98	6010	535-02	98432	8488
		ZN	02.13.98	6010	535-02	98432	8488
		AL	02.13.98	6010	535-02	98432	8488
		CA	02.13.98	6010	535-02	98432	8488
		FE	02.13.98	6010	535-02	98432	8488
		BNA.8270.HSL	02.25.98	8270	537-14	9822	1009
		VOA,8260.WDI	02.10.98	8260A	537-06	986032	1020
9801515*7	WDI-GMW23-05	DIG,AQ.HCL	02.12.98	3005		98432	7620
		DIG,AQ,GFA	02.12.98	3020		98430	7620
		AS,GFA	02.14.98	7060	534-07	98430	1003
		SB	02.13.98	6010	535-02	98432	8488
		BA	02.13.98	6010	535-02	98432	8488
		BE	02.13.98	6010	535-02	98432	8488
		CD,GFA	02.17.98	7131	534-04	98430	1003
		CR	02.13.98	6010	535-02	98432	8488
		CO	02.13.98	6010	535-02	98432	8488
		CU	02.13.98	6010	535-02	98432	8488
		PB,GFA	02.14.98	7421	534-07	98430	1003
		HG	02.12.98	7470	534-06	98416	8488
		MO	02.13.98	6010	535-02	98432	8488
		NI	02.13.98	6010	535-02	98432	8488
		SE,GFA	02.14.98	7740	534-07	98430	1003
		AG	02.13.98	6010	535-02	98432	8488
		TL	02.13.98	6010	535-02	98432	8488
		V	02.13.98	6010	535-02	98432	8488
		ZN	02.13.98	6010	535-02	98432	8488
		AL	02.13.98	6010	535-02	98432	8488
		CA	02.13.98	6010	535-02	98432	8488
		FE	02.13.98	6010	535-02	98432	8488
		BNA.8270.HSL	02.25.98	8270	537-14	9822	1009
		VOA,8260.WDI	02.10.98	8260A	537-06	986032	1020
9801515*8	WDI-MWFB23-05	DIG,AQ.HCL	02.12.98	3005		98432	7620
		DIG,AQ,GFA	02.12.98	3020		98430	7620
		AS,GFA	02.14.98	7060	534-07	98430	1003
		SB	02.13.98	6010	535-02	98432	8488
		BA	02.13.98	6010	535-02	98432	8488
		BE	02.13.98	6010	535-02	98432	8488
		CD,GFA	02.17.98	7131	534-04	98430	1003
		CR	02.13.98	6010	535-02	98432	8488

Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.

ID.NO = VOC Analytical employee identification number of analyst.

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
		CO	02.13.98	6010	535-02	98432	8488
		CU	02.13.98	6010	535-02	98432	8488
		PB,GFA	02.14.98	7421	534-07	98430	1003
		HG	02.12.98	7470	534-06	98416	8488
		MO	02.13.98	6010	535-02	98432	8488
		NI	02.13.98	6010	535-02	98432	8488
		SE,GFA	02.14.98	7740	534-07	98430	1003
		AG	02.13.98	6010	535-02	98432	8488
		TL	02.13.98	6010	535-02	98432	8488
		V	02.13.98	6010	535-02	98432	8488
		ZN	02.13.98	6010	535-02	98432	8488
		AL	02.13.98	6010	535-02	98432	8488
		CA	02.13.98	6010	535-02	98432	8488
		FE	02.13.98	6010	535-02	98432	8488
		BNA.8270.HSL	02.26.98	8270	537-14	9822	1009
		VOA,8260.WDI	02.10.98	8260A	537-06	986032	1020
9801515*9	WDI-MWFR23-05	DIG,AQ.HCL	02.12.98	3005		98432	7620
		DIG,AQ,GFA	02.12.98	3020		98430	7620
		AS,GFA	02.14.98	7060	534-07	98430	1003
		SB	02.13.98	6010	535-02	98432	8488
		BA	02.13.98	6010	535-02	98432	8488
		BE	02.13.98	6010	535-02	98432	8488
		CD,GFA	02.17.98	7131	534-04	98430	1003
		CR	02.13.98	6010	535-02	98432	8488
		CO	02.13.98	6010	535-02	98432	8488
		CU	02.13.98	6010	535-02	98432	8488
		PB,GFA	02.14.98	7421	534-07	98430	1003
		HG	02.12.98	7470	534-06	98416	8488
		MO	02.13.98	6010	535-02	98432	8488
		NI	02.13.98	6010	535-02	98432	8488
		SE,GFA	02.14.98	7740	534-07	98430	1003
		AG	02.13.98	6010	535-02	98432	8488
		TL	02.13.98	6010	535-02	98432	8488
		V	02.13.98	6010	535-02	98432	8488
		ZN	02.13.98	6010	535-02	98432	8488
		AL	02.13.98	6010	535-02	98432	8488
		CA	02.13.98	6010	535-02	98432	8488
		FE	02.13.98	6010	535-02	98432	8488
		BNA.8270.HSL	02.26.98	8270	537-14	9822	1009
		VOA,8260.WDI	02.10.98	8260A	537-06	986032	1020
9801515*10	WDI-MWTB28-05	VOA,8260.WDI	02.10.98	8260A	537-06	986032	1020
9801515*11	WDI-GMW28-05 Unfilter	DIG,AQ.HCL	02.12.98	3005		98432	7620
		DIG,AQ,GFA	02.12.98	3020		98430	7620

Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.

ID.NO = VOC Analytical employee identification number of analyst.

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
		AS,GFA	02.14.98	7060	534-07	98430	1003
		SB	02.13.98	6010	535-02	98432	8488
		BA	02.13.98	6010	535-02	98432	8488
		BE	02.13.98	6010	535-02	98432	8488
		CD,GFA	02.17.98	7131	534-04	98430	1003
		CR	02.13.98	6010	535-02	98432	8488
		CO	02.13.98	6010	535-02	98432	8488
		CU	02.13.98	6010	535-02	98432	8488
		PB,GFA	02.14.98	7421	534-07	98430	1003
		HG	02.12.98	7470	534-06	98416	8488
		MO	02.13.98	6010	535-02	98432	8488
		NI	02.13.98	6010	535-02	98432	8488
		SE,GFA	02.14.98	7740	534-07	98430	1003
		AG	02.13.98	6010	535-02	98432	8488
		TL	02.13.98	6010	535-02	98432	8488
		V	02.13.98	6010	535-02	98432	8488
		ZN	02.13.98	6010	535-02	98432	8488
		AL	02.13.98	6010	535-02	98432	8488
		CA	02.13.98	6010	535-02	98432	8488
		FE	02.13.98	6010	535-02	98432	8488
9801515*12	WDI-GMW21-05 Unfilter	DIG,AQ.HCL	02.12.98	3005		98432	7620
		DIG,AQ,GFA	02.12.98	3020		98430	7620
		AS,GFA	02.14.98	7060	534-07	98430	1003
		SB	02.13.98	6010	535-02	98432	8488
		BA	02.13.98	6010	535-02	98432	8488
		BE	02.13.98	6010	535-02	98432	8488
		CD,GFA	02.17.98	7131	534-04	98430	1003
		CR	02.13.98	6010	535-02	98432	8488
		CO	02.13.98	6010	535-02	98432	8488
		CU	02.13.98	6010	535-02	98432	8488
		PB,GFA	02.14.98	7421	534-07	98430	1003
		HG	02.12.98	7470	534-06	98416	8488
		MO	02.13.98	6010	535-02	98432	8488
		NI	02.13.98	6010	535-02	98432	8488
		SE,GFA	02.14.98	7740	534-07	98430	1003
		AG	02.13.98	6010	535-02	98432	8488
		TL	02.13.98	6010	535-02	98432	8488
		V	02.13.98	6010	535-02	98432	8488
		ZN	02.13.98	6010	535-02	98432	8488
		AL	02.13.98	6010	535-02	98432	8488
		CA	02.13.98	6010	535-02	98432	8488
		FE	02.13.98	6010	535-02	98432	8488
9801515*13	WDI-GMW27-05	DIG,AQ.HCL	02.12.98	3005		98432	7620

Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.

ID.NO = VOC Analytical employee identification number of analyst.

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
	Unfilter						
		DIG,AQ,GFA	02.12.98	3020		98430	7620
		AS,GFA	02.14.98	7060	534-07	98430	1003
		SB	02.13.98	6010	535-02	98432	8488
		BA	02.13.98	6010	535-02	98432	8488
		BE	02.13.98	6010	535-02	98432	8488
		CD,GFA	02.17.98	7131	534-04	98430	1003
		CR	02.13.98	6010	535-02	98432	8488
		CO	02.13.98	6010	535-02	98432	8488
		CU	02.13.98	6010	535-02	98432	8488
		PB,GFA	02.14.98	7421	534-07	98430	1003
		HG	02.12.98	7470	534-06	98416	8488
		MO	02.13.98	6010	535-02	98432	8488
		NI	02.13.98	6010	535-02	98432	8488
		SE,GFA	02.14.98	7740	534-07	98430	1003
		AG	02.13.98	6010	535-02	98432	8488
		TL	02.13.98	6010	535-02	98432	8488
		V	02.13.98	6010	535-02	98432	8488
		ZN	02.13.98	6010	535-02	98432	8488
		AL	02.13.98	6010	535-02	98432	8488
		CA	02.13.98	6010	535-02	98432	8488
		FE	02.13.98	6010	535-02	98432	8488
9801515*14	WDI-MWFD27-05	DIG,AQ.HCL	02.12.98	3005		98432	7620
	Unfilter						
		DIG,AQ,GFA	02.12.98	3020		98430	7620
		AS,GFA	02.14.98	7060	534-07	98430	1003
		SB	02.13.98	6010	535-02	98432	8488
		BA	02.13.98	6010	535-02	98432	8488
		BE	02.13.98	6010	535-02	98432	8488
		CD,GFA	02.17.98	7131	534-04	98430	1003
		CR	02.13.98	6010	535-02	98432	8488
		CO	02.13.98	6010	535-02	98432	8488
		CU	02.13.98	6010	535-02	98432	8488
		PB,GFA	02.14.98	7421	534-07	98430	1003
		HG	02.12.98	7470	534-06	98416	8488
		MO	02.13.98	6010	535-02	98432	8488
		NI	02.13.98	6010	535-02	98432	8488
		SE,GFA	02.14.98	7740	534-07	98430	1003
		AG	02.13.98	6010	535-02	98432	8488
		TL	02.13.98	6010	535-02	98432	8488
		V	02.13.98	6010	535-02	98432	8488
		ZN	02.13.98	6010	535-02	98432	8488
		AL	02.13.98	6010	535-02	98432	8488
		CA	02.13.98	6010	535-02	98432	8488

Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.

ID.NO = VOC Analytical employee identification number of analyst.

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
		FE	02.13.98	6010	535-02	98432	8488
9801515*15	WDI-GMW26-05 Unfilter	DIG,AQ.HCL	02.12.98	3005		98432	7620
		DIG,AQ,GFA	02.12.98	3020		98430	7620
		AS,GFA	02.14.98	7060	534-07	98430	1003
		SB	02.13.98	6010	535-02	98432	8488
		BA	02.13.98	6010	535-02	98432	8488
		BE	02.13.98	6010	535-02	98432	8488
		CD,GFA	02.17.98	7131	534-04	98430	1003
		CR	02.13.98	6010	535-02	98432	8488
		CO	02.13.98	6010	535-02	98432	8488
		CU	02.13.98	6010	535-02	98432	8488
		PB,GFA	02.14.98	7421	534-07	98430	1003
		HG	02.12.98	7470	534-06	98416	8488
		MO	02.13.98	6010	535-02	98432	8488
		NI	02.13.98	6010	535-02	98432	8488
		SE,GFA	02.14.98	7740	534-07	98430	1003
		AG	02.13.98	6010	535-02	98432	8488
		TL	02.13.98	6010	535-02	98432	8488
		V	02.13.98	6010	535-02	98432	8488
		ZN	02.13.98	6010	535-02	98432	8488
		AL	02.13.98	6010	535-02	98432	8488
		CA	02.13.98	6010	535-02	98432	8488
		FE	02.13.98	6010	535-02	98432	8488
9801515*16	WDI-GMW14-05 Unfilter	DIG,AQ.HCL	02.12.98	3005		98432	7620
		DIG,AQ,GFA	02.12.98	3020		98430	7620
		AS,GFA	02.14.98	7060	534-07	98430	1003
		SB	02.13.98	6010	535-02	98432	8488
		BA	02.13.98	6010	535-02	98432	8488
		BE	02.13.98	6010	535-02	98432	8488
		CD,GFA	02.17.98	7131	534-04	98430	1003
		CR	02.13.98	6010	535-02	98432	8488
		CO	02.13.98	6010	535-02	98432	8488
		CU	02.13.98	6010	535-02	98432	8488
		PB,GFA	02.14.98	7421	534-07	98430	1003
		HG	02.12.98	7470	534-06	98416	8488
		MO	02.13.98	6010	535-02	98432	8488
		NI	02.13.98	6010	535-02	98432	8488
		SE,GFA	02.14.98	7740	534-07	98430	1003
		AG	02.13.98	6010	535-02	98432	8488
		TL	02.13.98	6010	535-02	98432	8488
		V	02.13.98	6010	535-02	98432	8488
		ZN	02.13.98	6010	535-02	98432	8488

Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.

ID.NO = VOC Analytical employee identification number of analyst.

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
		AL	02.13.98	6010	535-02	98432	8488
		CA	02.13.98	6010	535-02	98432	8488
		FE	02.13.98	6010	535-02	98432	8488
9801515*17	WDI-GMW23-05 Unfilter	DIG,AQ.HCL	02.12.98	3005		98432	7620
		DIG,AQ,GFA	02.12.98	3020		98430	7620
		AS,GFA	02.14.98	7060	534-07	98430	1003
		SB	02.13.98	6010	535-02	98432	8488
		BA	02.13.98	6010	535-02	98432	8488
		BE	02.13.98	6010	535-02	98432	8488
		CD,GFA	02.17.98	7131	534-04	98430	1003
		CR	02.13.98	6010	535-02	98432	8488
		CO	02.13.98	6010	535-02	98432	8488
		CU	02.13.98	6010	535-02	98432	8488
		PB,GFA	02.14.98	7421	534-07	98430	1003
		HG	02.12.98	7470	534-06	98416	8488
		MO	02.13.98	6010	535-02	98432	8488
		NI	02.13.98	6010	535-02	98432	8488
		SE,GFA	02.14.98	7740	534-07	98430	1003
		AG	02.13.98	6010	535-02	98432	8488
		TL	02.13.98	6010	535-02	98432	8488
		V	02.13.98	6010	535-02	98432	8488
		ZN	02.13.98	6010	535-02	98432	8488
		AL	02.13.98	6010	535-02	98432	8488
		CA	02.13.98	6010	535-02	98432	8488
		FE	02.13.98	6010	535-02	98432	8488

***

Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.

ID.NO = VOC Analytical employee identification number of analyst.

AQUEOUS SAMPLES	METHOD BLANK				LAB CONTROL									MATRIX QC								
					LCS		LCSD				RPD	RPD		MS		MSD				RPD	RPD	
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: HG*98416 Method: 7470 - Mercury (Liquid), Cold Vapor AA, Manual																						
Mercury	mg/L	0	0.0002	-	105	-	108	-	71	123	2	-	-	105	-	105	-	28	164	0	20	-
Batch: AS,GFA*98430 Method: 7060 - Arsenic, AA, Furnace																						
Arsenic	mg/L	0.0009	0.002	-	103	-	105	-	74	124	3	-	-	90	-	94	-	48	140	4	20	-
Batch: CD,GFA*98430 Method: 7131 - Cadmium, AA, Furnace																						
Cadmium	mg/L	0	0.001	-	101	-	95	-	78	125	6	-	-	85	-	82	-	63	155	3	20	-
Batch: PB,GFA*98430 Method: 7421 - Lead, AA, Furnace																						
Lead	mg/L	0.0015	0.002	-	94	-	94	-	77	124	0	-	-	83	-	89	-	40	156	6	20	-
Batch: SE,GFA*98430 Method: 7740 - Selenium, AA, Furnace																						
Selenium	mg/L	0	0.004	-	91	-	92	-	76	118	2	-	-	69	-	73	-	10	143	4	20	-
Batch: AG*98432 Method: 6010 - ICAP Metals																						
Silver	mg/L	0.008	0.01	-	91	-	97	-	80	120	6	-	-	-	-	-	-	-	-	-	-	-
Aluminum	mg/L	0	0.1	-	92	-	90	-	80	120	2	-	-	87	-	89	-	80	120	2	20	-
Barium	mg/L	0.0043	0.005	-	92	-	92	-	80	120	0	-	-	86	-	87	-	80	120	1	20	-
Beryllium	mg/L	0	0.001	-	93	-	92	-	80	120	1	-	-	88	-	88	-	80	120	1	20	-
Calcium	mg/L	0	0.5	-	94	-	93	-	80	120	0	-	-	-	NC	-	NC	80	120	-	20	NC
Cobalt	mg/L	0	0.04	-	92	-	91	-	80	120	1	-	-	86	-	86	-	80	120	0	20	-
Chromium	mg/L	0	0.01	-	91	-	90	-	80	120	1	-	-	87	-	88	-	80	120	2	20	-
Copper	mg/L	0	0.02	-	90	-	89	-	80	120	1	-	-	88	-	89	-	80	120	1	20	-
Iron	mg/L	0	0.04	-	94	-	93	-	80	120	1	-	-	88	-	90	-	80	120	2	20	-
Molybdenum	mg/L	0.005	0.02	-	92	-	91	-	80	120	1	-	-	88	-	88	-	80	120	1	20	-
Nickel	mg/L	0.016	0.04	-	95	-	94	-	80	120	0	-	-	89	-	93	-	80	120	4	20	-
Antimony	mg/L	0.02	0.1	-	95	-	92	-	80	120	4	-	-	90	-	90	-	80	120	0	20	-
Thallium	mg/L	0	0.07	-	91	-	92	-	80	120	1	-	-	87	-	87	-	80	120	0	20	-
Vanadium	mg/L	0	0.04	-	90	-	89	-	80	120	1	-	-	88	-	87	-	80	120	1	20	-
Zinc	mg/L	0	0.01	-	93	-	94	-	80	120	1	-	-	92	-	93	-	80	120	1	20	-

AQUEOUS SAMPLES	METHOD BLANK				LAB CONTROL								MATRIX QC									
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA,8260*986031 Method: 8260A - Volatile Organics, GCMS																						
1,1,1-Trichloroethane	ug/L	0	0.5	-	113	-	115	-	71	132	2	30	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	0.5	-	90	-	90	-	50	134	0	30	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	0.5	-	103	-	106	-	67	133	3	30	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	0.5	-	92	-	92	-	49	135	0	30	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	0.5	-	87	-	83	-	48	146	4	30	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane	ug/L	0	0.5	-	108	-	107	-	56	142	1	30	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0	0.5	-	113	-	115	-	68	129	2	30	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	0.5	-	91	-	91	-	68	127	0	30	-	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	4	-	76	-	75	-	1	214	1	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	ug/L	0	5	-	93	-	90	-	20	149	3	52	-	-	-	-	-	-	-	-	-	-
Acetone	ug/L	0	10	-	98	-	32	-	32	176	101	51	Q	-	-	-	-	-	-	-	-	-
Bromodichloromethane	ug/L	0	0.5	-	112	-	113	-	69	132	1	30	-	-	-	-	-	-	-	-	-	-
Bromomethane	ug/L	0	0.5	-	101	-	96	-	55	146	5	30	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	0	0.5	-	94	-	96	-	72	124	1	30	-	-	-	-	-	-	-	-	-	-
Bromoform	ug/L	0	0.5	-	106	-	107	-	53	148	1	30	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	ug/L	0	0.5	-	115	-	119	-	70	140	3	30	-	-	-	-	-	-	-	-	-	-
Chloroethane	ug/L	0	0.5	-	83	-	79	-	52	137	5	30	-	-	-	-	-	-	-	-	-	-
Chloroform	ug/L	0	0.5	-	100	-	102	-	77	128	2	30	-	-	-	-	-	-	-	-	-	-
Chloromethane	ug/L	0	1	-	71	-	75	-	37	129	5	30	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	ug/L	0	2	-	83	-	58	-	37	140	37	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/L	0	0.5	-	129	-	132	-	65	142	2	30	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	ug/L	0	10	-	108	-	104	-	5	153	4	50	-	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	4	-	103	-	105	-	16	150	2	49	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/L	0	2	-	95	-	94	-	51	139	1	30	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ug/L	0	0.5	-	105	-	105	-	71	135	1	30	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ug/L	0	0.5	-	105	-	106	-	67	145	1	30	-	-	-	-	-	-	-	-	-	-
Vinyl acetate	ug/L	0	5	-	110	-	108	-	24	143	2	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	0	0.5	-	86	-	88	-	48	140	2	30	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	0.5	-	99	-	100	-	54	143	1	30	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/L	0	0.5	-	101	-	102	-	66	129	1	30	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	0.5	-	102	-	101	-	48	134	1	30	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/L	0	0.5	-	106	-	108	-	66	130	2	30	-	-	-	-	-	-	-	-	-	-
[4-Bromofluorobenzene]	Percent	93	-	-	95	-	95	-	75	125	-	-	-	-	-	-	-	-	-	-	-	-
[Toluene-d8]	Percent	94	-	-	95	-	96	-	80	120	-	-	-	-	-	-	-	-	-	-	-	-
[Dibromofluoromethane]	Percent	101	-	-	102	-	102	-	75	120	-	-	-	-	-	-	-	-	-	-	-	-

AQUEOUS SAMPLES		METHOD BLANK			LAB CONTROL								MATRIX QC								
					LCS		LCSD					RPD	RPD	MS		MSD				RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA,8260*986032 Method: 8260A - Volatile Organics, GCMS																						
1,1,1-Trichloroethane	ug/L	0	0.5	-	124	-	122	-	71	132	2	30	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	0.5	-	75	-	78	-	50	134	4	30	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	0.5	-	96	-	98	-	67	133	2	30	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	0.5	-	90	-	91	-	49	135	1	30	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	0.5	-	101	-	102	-	48	146	1	30	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane	ug/L	0	0.5	-	101	-	101	-	56	142	0	30	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0	0.5	-	128	-	128	-	68	129	0	30	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	0.5	-	88	-	89	-	68	127	2	30	-	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	4	-	57	-	61	-	1	214	8	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	ug/L	0	5	-	78	-	76	-	20	149	2	52	-	-	-	-	-	-	-	-	-	-
Acetone	ug/L	0	10	-	90	-	78	-	32	176	14	51	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	ug/L	0	0.5	-	120	-	120	-	69	132	0	30	-	-	-	-	-	-	-	-	-	-
Bromomethane	ug/L	0	0.5	-	103	-	104	-	55	146	0	30	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	0	0.5	-	97	-	97	-	72	124	0	30	-	-	-	-	-	-	-	-	-	-
Bromoform	ug/L	0	0.5	-	107	-	106	-	53	148	1	30	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	ug/L	0	0.5	-	140	-	137	-	70	140	2	30	-	-	-	-	-	-	-	-	-	-
Chloroethane	ug/L	0	0.5	-	89	-	89	-	52	137	0	30	-	-	-	-	-	-	-	-	-	-
Chloroform	ug/L	0	0.5	-	102	-	102	-	77	128	0	30	-	-	-	-	-	-	-	-	-	-
Chloromethane	ug/L	0	1	-	65	-	65	-	37	129	1	30	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	ug/L	0	2	-	90	-	89	-	37	140	1	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/L	0	0.5	-	143	Q	138	-	65	142	3	30	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	ug/L	0	10	-	76	-	74	-	5	153	3	50	-	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	4	-	84	-	82	-	16	150	2	49	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/L	0	2	-	83	-	84	-	51	139	1	30	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ug/L	0	0.5	-	119	-	115	-	71	135	3	30	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ug/L	0	0.5	-	124	-	119	-	67	145	4	30	-	-	-	-	-	-	-	-	-	-
Vinyl acetate	ug/L	0	5	-	49	-	67	-	24	143	32	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	0	0.5	-	79	-	78	-	48	140	2	30	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	0.5	-	92	-	92	-	54	143	0	30	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/L	0	0.5	-	95	-	96	-	66	129	1	30	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	0.5	-	94	-	95	-	48	134	1	30	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/L	0	0.5	-	102	-	102	-	66	130	0	30	-	-	-	-	-	-	-	-	-	-
[4-Bromofluorobenzene]	Percent	92	-	-	94	-	94	-	75	125	-	-	-	-	-	-	-	-	-	-	-	-
[Toluene-d8]	Percent	95	-	-	98	-	97	-	80	120	-	-	-	-	-	-	-	-	-	-	-	-
[Dibromofluoromethane]	Percent	98	-	-	95	-	95	-	75	120	-	-	-	-	-	-	-	-	-	-	-	-

AQUEOUS SAMPLES	------ METHOD BLANK ------				---------- LAB CONTROL ----------									---------- MATRIX QC ----------								
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: BNA*9822 Method: 8270 - GC/MS for Semivolatile Organics, Capillary column																						
1,2,4-Trichlorobenzene	ug/L	0	5	-	42	-	41	-	30	121	2	-	-	71	-	53	-	44	120	28	39	-
1,2-Dichlorobenzene	ug/L	0	5	-	40	-	44	-	30	120	10	-	-	-	-	-	-	-	-	-	-	-
1,2-Diphenylhydrazine	ug/L	0	5	-	82	-	84	-	49	136	2	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	0	5	-	35	-	39	-	28	114	10	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	0	5	-	36	-	40	-	28	116	9	-	-	65	-	46	-	39	110	34	34	-
2,4,5-Trichlorophenol	ug/L	0	5	-	93	-	90	-	49	143	4	-	-	-	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	ug/L	0	5	-	88	-	86	-	50	134	3	-	-	-	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	ug/L	0	5	-	81	-	81	-	43	124	1	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	ug/L	0	5	-	78	-	80	-	43	107	2	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	ug/L	0	10	-	74	-	76	-	22	174	2	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	ug/L	0	5	-	85	-	86	-	51	146	1	-	-	104	-	89	-	48	139	16	25	-
2,6-Dinitrotoluene	ug/L	0	5	-	82	-	82	-	53	129	1	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	ug/L	0	5	-	54	-	51	-	36	97	7	-	-	-	-	-	-	-	-	-	-	-
2-Chlorophenol	ug/L	0	5	-	76	-	77	-	46	115	1	-	-	85	-	71	-	43	110	17	24	-
2-Methyl-4,6-dinitrophenol	ug/L	0	10	-	84	-	84	-	38	147	1	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	ug/L	0	5	-	63	-	59	-	36	124	6	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol (o-Cresol)	ug/L	0	5	-	72	-	71	-	36	116	1	-	-	-	-	-	-	-	-	-	-	-
2-Nitroaniline	ug/L	0	5	-	94	-	94	-	54	133	0	-	-	-	-	-	-	-	-	-	-	-
2-Nitrophenol	ug/L	0	5	-	86	-	87	-	43	122	1	-	-	-	-	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/L	0	10	-	46	-	43	-	1	262	6	-	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	ug/L	0	5	-	90	-	90	-	54	134	0	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenylphenylether	ug/L	0	5	-	83	-	84	-	43	142	1	-	-	-	-	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	ug/L	0	5	-	86	-	84	-	49	133	2	-	-	103	-	88	-	48	127	16	31	-
4-Chloroaniline	ug/L	0	5	-	99	-	102	-	46	126	3	-	-	-	-	-	-	-	-	-	-	-
4-Chlorophenylphenylether	ug/L	0	5	-	82	-	82	-	49	134	0	-	-	-	-	-	-	-	-	-	-	-
4-Methylphenol (p-Cresol)	ug/L	0	10	-	68	-	66	-	46	109	3	-	-	-	-	-	-	-	-	-	-	-
4-Nitroaniline	ug/L	0	5	-	98	-	99	-	40	166	0	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	ug/L	0	10	-	49	-	43	-	15	122	12	-	-	47	-	28	-	1	132	50	34	Q
Acenaphthene	ug/L	0	5	-	79	-	77	-	51	126	3	-	-	104	-	83	-	52	131	23	26	-
Acenaphthylene	ug/L	0	5	-	80	-	79	-	56	131	1	-	-	-	-	-	-	-	-	-	-	-
Aniline	ug/L	0	5	-	44	-	46	-	36	113	5	-	-	-	-	-	-	-	-	-	-	-
Anthracene	ug/L	0	5	-	81	-	83	-	54	117	2	-	-	-	-	-	-	-	-	-	-	-
Benzidine	ug/L	0	100	-	47	-	51	-	1	200	8	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	ug/L	0	5	-	95	-	94	-	55	132	1	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	ug/L	0	5	-	97	-	96	-	51	141	1	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/L	0	5	-	47	-	106	-	43	135	78	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/L	0	5	-	97	-	96	-	36	157	1	-	-	-	-	-	-	-	-	-	-	-

AQUEOUS SAMPLES		METHOD BLANK			LAB CONTROL								MATRIX QC								
					LCS		LCSD				RPD	RPD	MS		MSD				RPD	RPD	
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: BNA*9822 Method: 8270 - GC/MS for Semivolatile Organics, Capillary column, con't																						
Benzo(k)fluoranthene	ug/L	0	5	-	93	-	90	-	57	137	3	-	-	-	-	-	-	-	-	-	-	-
Benzyl Alcohol	ug/L	0	10	-	81	-	84	-	41	126	3	-	-	-	-	-	-	-	-	-	-	-
Benzoic acid	ug/L	0	50	-	44	-	40	-	1	183	11	-	-	-	-	-	-	-	-	-	-	-
Butylbenzylphthalate	ug/L	0	5	-	88	-	88	-	50	139	0	-	-	-	-	-	-	-	-	-	-	-
Chrysene	ug/L	0	5	-	95	-	95	-	55	134	1	-	-	-	-	-	-	-	-	-	-	-
Di-n-octylphthalate	ug/L	0	5	-	93	-	94	-	41	145	2	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	ug/L	0	5	-	94	-	95	-	41	144	0	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	ug/L	0	5	-	80	-	78	-	53	129	2	-	-	-	-	-	-	-	-	-	-	-
Dibutylphthalate	ug/L	2.4	10	-	78	-	79	-	50	129	1	-	-	-	-	-	-	-	-	-	-	-
Diethylphthalate	ug/L	0	10	-	80	-	80	-	49	137	1	-	-	-	-	-	-	-	-	-	-	-
Dimethylphthalate	ug/L	0	5	-	88	-	89	-	55	134	1	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	ug/L	0	5	-	86	-	86	-	52	128	0	-	-	-	-	-	-	-	-	-	-	-
Fluorene	ug/L	0	5	-	86	-	86	-	55	126	0	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	ug/L	0	5	-	79	-	81	-	50	136	3	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/L	0	5	-	40	-	40	-	16	136	2	-	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	ug/L	0	10	-	43	-	37	-	6	209	17	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	ug/L	0	5	-	29	-	31	-	24	119	6	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-c,d)pyrene	ug/L	0	5	-	104	-	105	-	30	172	1	-	-	-	-	-	-	-	-	-	-	-
Isophorone	ug/L	0	5	-	90	-	93	-	39	126	3	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodimethylamine	ug/L	0	5	-	77	-	85	-	23	138	9	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	ug/L	0	5	-	71	-	71	-	36	103	0	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/L	0	5	-	91	-	95	-	32	136	4	-	-	103	-	83	-	33	135	21	25	-
Nitrobenzene	ug/L	0	5	-	80	-	85	-	44	118	5	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	0	5	-	53	-	54	-	40	110	1	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	0	5	-	88	-	89	-	54	128	1	-	-	-	-	-	-	-	-	-	-	-
Phenol	ug/L	0	5	-	60	-	56	-	28	91	7	-	-	57	-	48	-	5	110	16	30	-
Pentachlorophenol	ug/L	0	10	-	81	-	79	-	26	158	2	-	-	109	-	89	-	15	181	20	39	-
Pyrene	ug/L	0	5	-	98	-	97	-	53	128	1	-	-	116	-	98	-	45	162	17	34	-
Pyridine	ug/L	0	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroethoxy)methane	ug/L	0	5	-	85	-	89	-	32	127	5	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroethyl)ether	ug/L	0	5	-	83	-	88	-	48	117	7	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroisopropyl)ether	ug/L	0	5	-	76	-	82	-	39	155	8	-	-	-	-	-	-	-	-	-	-	-
Bis(2-ethylhexyl)phthalate	ug/L	1.1	10	-	87	-	86	-	15	176	1	-	-	-	-	-	-	-	-	-	-	-
[2-Fluorobiphenyl]	Percent	83	-	-	87	-	85	-	43	116	-	-	-	89	-	58	-	43	116	-	-	-
[2-Fluorophenol]	Percent	65	-	-	67	-	68	-	21	100	-	-	-	67	-	46	-	21	100	-	-	-
[2,4,6-Tribromophenol]	Percent	97	-	-	93	-	91	-	40	123	-	-	-	106	-	77	-	10	123	-	-	-
[Nitrobenzene-d5]	Percent	85	-	-	89	-	94	-	37	114	-	-	-	91	-	57	-	35	114	-	-	-
[Phenol-d5]	Percent	55	-	-	60	-	57	-	10	93	-	-	-	55	-	43	-	10	94	-	-	-

AQUEOUS SAMPLES		------ METHOD BLANK ------			---------- LAB CONTROL ----------								---------- MATRIX QC ----------							
					LCS		LCSD				RPD	RPD	MS		MSD				RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: BNA*9822 Method: 8270 - GC/MS for Semivolatile Organics, Capillary column, con't																						
[Terphenyl-d14]	Percent	93	-	-	83	-	82	-	33	141	-	-	-	84	-	63	-	33	141	-	-	-

AQUEOUS SAMPLES

Batch: HG*98416 Method: 7470 - Mercury (Liquid), Cold Vapor AA, Manual

		B8021430*1	C8022903*1	.....	C8022904*1	.....	9801515*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Mercury	mg/L	0	0.0042	0.0040	0.0043	0.0040	0	-	0.0021	0.0021	0.0020

Batch: DIG,AQ,GFA*98430 Method: 3020 - Acid Digestion of Aqueous etc.

		(BLANK)	(LCS)	.....	(LCSD)	.....	(MTX QC)	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Furnace Digestion	Date	02/12/98	02/12/98	02/12/98	02/12/98	02/12/98	02/12/98	02/12/98	02/12/98	02/12/98	02/12/98

Batch: AS,GFA*98430 Method: 7060 - Arsenic, AA, Furnace

		B8021545*1	C8023112*1	.....	C8023113*1	.....	9801515*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Arsenic	mg/L	0.0009	0.0513	0.0500	0.0527	0.0500	0.0016	-	0.0225	0.0234	0.0250

Batch: CD,GFA*98430 Method: 7131 - Cadmium, AA, Furnace

		B8021546*1	C8023114*1	.....	C8023115*1	.....	9801515*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Cadmium	mg/L	0	0.0201	0.0200	0.0189	0.0200	0	-	0.0212	0.0206	0.0250

Batch: PB,GFA*98430 Method: 7421 - Lead, AA, Furnace

		B8021547*1	C8023116*1	.....	C8023117*1	.....	9801515*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Lead	mg/L	0.0015	0.0469	0.0500	0.0468	0.0500	0.0025	-	0.0190	0.0202	0.0225

Batch: SE,GFA*98430 Method: 7740 - Selenium, AA, Furnace

		B8021548*1	C8023118*1	.....	C8023119*1	.....	9801515*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Selenium	mg/L	0	0.0909	0.100	0.0923	0.100	0.026	-	0.0947	0.0985	0.1260

Batch: DIG,AQ*98432 Method: 3005 - Total Recoverable Metals Digestion

		(BLANK)	(LCS)	.....	(LCSD)	.....	(MTX QC)	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Digestion	Date	02/12/98	02/12/98	02/12/98	02/12/98	02/12/98	02/12/98	02/12/98	02/12/98	02/12/98	02/12/98

VOC ANALYTICAL, GLENDALE
SUPPLEMENTAL QC REPORT FOR 9801515
DATE PRINTED: 16 MAR 1998

AQUEOUS SAMPLES

Batch: AG*98432 Method: 6010 - ICAP Metals

		B8021559*1	C8023142*1	.....	C8023143*1	.....	9801515*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Silver	mg/L	0.008	0.181	0.200	0.193	0.200	-	-	-	-	-

Batch: AL*98432 Method: 6010 - ICAP Metals

		B8021560*1	C8023144*1	.....	C8023145*1	.....	9801515*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Aluminum	mg/L	0	0.918	1.00	0.900	1.00	0	-	1.31	1.33	1.50

Batch: BA*98432 Method: 6010 - ICAP Metals

		B8021561*1	C8023146*1	.....	C8023147*1	.....	9801515*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Barium	mg/L	0.0043	0.918	1.00	0.915	1.00	0.030	-	0.462	0.467	0.530

Batch: BE*98432 Method: 6010 - ICAP Metals

		B8021562*1	C8023148*1	.....	C8023149*1	.....	9801515*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Beryllium	mg/L	0	0.371	0.400	0.369	0.400	0.0005	-	0.0876	0.0883	0.100

Batch: CA*98432 Method: 6010 - ICAP Metals

		B8021563*1	C8023150*1	.....	C8023151*1	.....	9801515*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Calcium	mg/L	0	46.8	50.0	46.6	50.0	250	-	289	298	305

Batch: CO*98432 Method: 6010 - ICAP Metals

		B8021564*1	C8023152*1	.....	C8023153*1	.....	9801515*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Cobalt	mg/L	0	0.918	1.00	0.912	1.00	0	-	0.428	0.428	0.500

Batch: CR*98432 Method: 6010 - ICAP Metals

		B8021565*1	C8023154*1	.....	C8023155*1	.....	9801515*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Chromium	mg/L	0	0.909	1.00	0.904	1.00	0.004	-	0.173	0.176	0.200

AQUEOUS SAMPLES

Batch: CU*98432 Method: 6010 - ICAP Metals

		B8021566*1	C8023156*1		C8023157*1		9801515*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Copper	mg/L	0	0.896	1.00	0.888	1.00	0.017	-	0.440	0.445	0.500

Batch: FE*98432 Method: 6010 - ICAP Metals

		B8021567*1	C8023158*1		C8023159*1		9801515*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Iron	mg/L	0	0.943	1.00	0.930	1.00	0.011	-	0.886	0.904	1.00

Batch: MO*98432 Method: 6010 - ICAP Metals

		B8021568*1	C8023160*1		C8023161*1		9801515*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Molybdenum	mg/L	0.005	0.918	1.00	0.907	1.00	0	-	2.63	2.65	3.00

Batch: NI*98432 Method: 6010 - ICAP Metals

		B8021569*1	C8023162*1		C8023163*1		9801515*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Nickel	mg/L	0.016	0.946	1.00	0.943	1.00	0	-	0.447	0.466	0.500

Batch: SB*98432 Method: 6010 - ICAP Metals

		B8021570*1	C8023164*1		C8023165*1		9801515*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Antimony	mg/L	0.02	0.951	1.00	0.915	1.00	0	-	3.16	3.16	3.50

Batch: TL*98432 Method: 6010 - ICAP Metals

		B8021571*1	C8023166*1		C8023167*1		9801515*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Thallium	mg/L	0	0.913	1.00	0.923	1.00	0.015	-	2.62	2.62	3.00

Batch: V*98432 Method: 6010 - ICAP Metals

		B8021572*1	C8023168*1		C8023169*1		9801515*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Vanadium	mg/L	0	0.902	1.00	0.893	1.00	0.0034	-	0.440	0.437	0.500

VOC ANALYTICAL, GLENDALE
SUPPLEMENTAL QC REPORT FOR 9801515
DATE PRINTED: 16 MAR 1998

AQUEOUS SAMPLES

Batch: ZN*98432 Method: 6010 - ICAP Metals

		B8021573*1	C8023170*1		C8023171*1		9801515*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Zinc	mg/L	0	0.927	1.00	0.937	1.00	0.012	-	0.470	0.476	0.512

AQUEOUS SAMPLES

Batch: VOA,8260*986031 Method: 8260A - Volatile Organics, GCMS

		B8021302*1	C8022652*1		C8022653*1		N/A	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Date Analyzed	Date	02/09/98	02/09/98	02/09/98	02/09/98	02/09/98	-	-	-	-	-
Dilution Factor	Times	1	1	1	1	1	-	-	-	-	-
1,1,1-Trichloroethane	ug/L	0	56.5	50.0	57.6	50.0	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	45.2	50.0	45.0	50.0	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	51.5	50.0	53.1	50.0	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	46.1	50.0	46.1	50.0	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	43.3	50.0	41.5	50.0	-	-	-	-	-
1,2-Dibromoethane	ug/L	0	54.0	50.0	53.4	50.0	-	-	-	-	-
1,2-Dichloroethane	ug/L	0	56.5	50.0	57.6	50.0	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	45.5	50.0	45.3	50.0	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	75.7	100	74.6	100	-	-	-	-	-
2-Hexanone	ug/L	0	92.5	100	89.9	100	-	-	-	-	-
Acetone	ug/L	0	97.8	100	32.3	100	-	-	-	-	-
Bromodichloromethane	ug/L	0	56.0	50.0	56.7	50.0	-	-	-	-	-
Bromomethane	ug/L	0	50.5	50.0	47.9	50.0	-	-	-	-	-
Benzene	ug/L	0	47.1	50.0	47.8	50.0	-	-	-	-	-
Bromoform	ug/L	0	52.9	50.0	53.6	50.0	-	-	-	-	-
Carbon Tetrachloride	ug/L	0	57.4	50.0	59.4	50.0	-	-	-	-	-
Chloroethane	ug/L	0	41.6	50.0	39.5	50.0	-	-	-	-	-
Chloroform	ug/L	0	50.1	50.0	51.1	50.0	-	-	-	-	-
Chloromethane	ug/L	0	35.7	50.0	37.4	50.0	-	-	-	-	-
Carbon Disulfide	ug/L	0	83.2	100	57.5	100	-	-	-	-	-
Dibromochloromethane	ug/L	0	64.5	50.0	65.8	50.0	-	-	-	-	-
Methyl ethyl ketone	ug/L	0	108	100	104	100	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	103	100	105	100	-	-	-	-	-
Methylene chloride	ug/L	0	47.6	50.0	47.2	50.0	-	-	-	-	-
Trichloroethene	ug/L	0	52.4	50.0	52.7	50.0	-	-	-	-	-
Tetrachloroethene	ug/L	0	52.3	50.0	53.0	50.0	-	-	-	-	-
Vinyl acetate	ug/L	0	110	100	108	100	-	-	-	-	-
Vinyl chloride	ug/L	0	43.1	50.0	44.1	50.0	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	49.4	50.0	50.0	50.0	-	-	-	-	-
cis-1,3-Dichloropropene	ug/L	0	50.4	50.0	51.1	50.0	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	50.9	50.0	50.6	50.0	-	-	-	-	-
trans-1,3-Dichloropropene	ug/L	0	52.8	50.0	53.9	50.0	-	-	-	-	-
4-Bromofluorobenzene Rep.	ug/L	46.5	47.3	50.0	47.7	50.0	-	-	-	-	-
4-Bromofluorobenzene Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-
Toluene-d8 Reported	ug/L	46.8	47.4	50.0	47.9	50.0	-	-	-	-	-

AQUEOUS SAMPLES

Batch: VOA,8260*986031 Method: 8260A - Volatile Organics, GCMS, con't

		B8021302*1	C8022652*1		C8022653*1		N/A				
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Toluene-d8 Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-
Dibromofluoromethane Rep.	ug/L	50.5	51.1	50.0	51.1	50.0	-	-	-	-	-
Dibromofluoromethane Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-

AQUEOUS SAMPLES

Batch: VOA,8260*986032 Method: 8260A - Volatile Organics, GCMS

		B8021347*1	C8022741*1		C8022742*1		N/A	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Date Analyzed	Date	02/10/98	02/10/98	02/10/98	02/10/98	02/10/98	-	-	-	-	-
Dilution Factor	Times	1	1	1	1	1	-	-	-	-	-
1,1,1-Trichloroethane	ug/L	0	62.0	50.0	61.0	50.0	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	37.5	50.0	38.9	50.0	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	47.8	50.0	48.9	50.0	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	44.9	50.0	45.3	50.0	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	50.4	50.0	50.8	50.0	-	-	-	-	-
1,2-Dibromoethane	ug/L	0	50.6	50.0	50.5	50.0	-	-	-	-	-
1,2-Dichloroethane	ug/L	0	63.8	50.0	64.0	50.0	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	43.8	50.0	44.6	50.0	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	56.5	100	61.3	100	-	-	-	-	-
2-Hexanone	ug/L	0	77.6	100	76.0	100	-	-	-	-	-
Acetone	ug/L	0	90.4	100	78.4	100	-	-	-	-	-
Bromodichloromethane	ug/L	0	60.0	50.0	60.0	50.0	-	-	-	-	-
Bromomethane	ug/L	0	51.7	50.0	51.8	50.0	-	-	-	-	-
Benzene	ug/L	0	48.7	50.0	48.6	50.0	-	-	-	-	-
Bromoform	ug/L	0	53.7	50.0	53.0	50.0	-	-	-	-	-
Carbon Tetrachloride	ug/L	0	70.1	50.0	68.6	50.0	-	-	-	-	-
Chloroethane	ug/L	0	44.5	50.0	44.4	50.0	-	-	-	-	-
Chloroform	ug/L	0	51.0	50.0	50.8	50.0	-	-	-	-	-
Chloromethane	ug/L	0	32.7	50.0	32.4	50.0	-	-	-	-	-
Carbon Disulfide	ug/L	0	90.3	100	89.2	100	-	-	-	-	-
Dibromochloromethane	ug/L	0	71.5	50.0	69.1	50.0	-	-	-	-	-
Methyl ethyl ketone	ug/L	0	76.4	100	74.1	100	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	83.8	100	82.2	100	-	-	-	-	-
Methylene chloride	ug/L	0	41.6	50.0	42.2	50.0	-	-	-	-	-
Trichloroethene	ug/L	0	59.4	50.0	57.7	50.0	-	-	-	-	-
Tetrachloroethene	ug/L	0	62.0	50.0	59.5	50.0	-	-	-	-	-
Vinyl acetate	ug/L	0	48.8	100	67.2	100	-	-	-	-	-
Vinyl chloride	ug/L	0	39.6	50.0	38.9	50.0	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	45.8	50.0	45.9	50.0	-	-	-	-	-
cis-1,3-Dichloropropene	ug/L	0	47.6	50.0	48.1	50.0	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	47.2	50.0	47.5	50.0	-	-	-	-	-
trans-1,3-Dichloropropene	ug/L	0	50.8	50.0	50.9	50.0	-	-	-	-	-
4-Bromofluorobenzene Rep.	ug/L	45.8	47.2	50.0	46.9	50.0	-	-	-	-	-
4-Bromofluorobenzene Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-
Toluene-d8 Reported	ug/L	47.4	48.8	50.0	48.3	50.0	-	-	-	-	-

AQUEOUS SAMPLES

Batch: VOA,8260*986032 Method: 8260A - Volatile Organics, GCMS, con't

		B8021347*1	C8022741*1		C8022742*1		N/A	.....	.....	.....	
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Toluene-d8 Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-
Dibromofluoromethane Rep.	ug/L	49.0	47.3	50.0	47.3	50.0	-	-	-	-	-
Dibromofluoromethane Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-

AQUEOUS SAMPLES

Batch: BNA*9822 Method: 8270 - GC/MS for Semivolatile Organics, Capillary column

		B802615*1	C8021195*1		C8021196*1		9801519*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Date Analyzed	Date	02/20/98	02/20/98	02/20/98	02/20/98	02/20/98	02/20/98	-	02/20/98	02/20/98	02/20/98
Date Extracted	Date	02/04/98	02/04/98	02/04/98	02/04/98	02/04/98	02/04/98	-	02/04/98	02/04/98	02/04/98
Dilution Factor	Times	1	1	1	1	1	1	-	1	1	1
1,2,4-Trichlorobenzene	ug/L	0	41.9	100	41.2	100	0	-	35.3	26.5	50.0
1,2-Dichlorobenzene	ug/L	0	39.5	100	43.6	100	0	-	-	-	-
1,2-Diphenylhydrazine	ug/L	0	82.2	100	84.0	100	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	0	35.2	100	39.0	100	0	-	-	-	-
1,4-Dichlorobenzene	ug/L	0	36.3	100	39.8	100	0	-	32.6	23.1	50.0
2,4,5-Trichlorophenol	ug/L	0	92.8	100	89.6	100	0	-	-	-	-
2,4,6-Trichlorophenol	ug/L	0	87.8	100	85.5	100	0	-	-	-	-
2,4-Dichlorophenol	ug/L	0	80.6	100	81.2	100	0	-	-	-	-
2,4-Dimethylphenol	ug/L	0	78.2	100	79.5	100	0	-	-	-	-
2,4-Dinitrophenol	ug/L	0	73.9	100	75.6	100	0	-	-	-	-
2,4-Dinitrotoluene	ug/L	0	85.4	100	86.0	100	0	-	52.2	44.4	50.0
2,6-Dinitrotoluene	ug/L	0	81.6	100	82.4	100	0	-	-	-	-
2-Chloronaphthalene	ug/L	0	54.4	100	50.9	100	0	-	-	-	-
2-Chlorophenol	ug/L	0	76.1	100	77.1	100	0	-	63.7	53.5	75.0
2-Methyl-4,6-dinitrophenol	ug/L	0	83.6	100	84.4	100	0	-	-	-	-
2-Methylnaphthalene	ug/L	0	62.5	100	59.0	100	0	-	-	-	-
2-Methylphenol (o-Cresol)	ug/L	0	71.8	100	71.2	100	0	-	-	-	-
2-Nitroaniline	ug/L	0	94.3	100	94.2	100	0	-	-	-	-
2-Nitrophenol	ug/L	0	86.1	100	86.8	100	0	-	-	-	-
3,3'-Dichlorobenzidine	ug/L	0	92.3	200	86.7	200	0	-	-	-	-
3-Nitroaniline	ug/L	0	89.8	100	89.7	100	0	-	-	-	-
4-Bromophenylphenylether	ug/L	0	83.0	100	83.5	100	0	-	-	-	-
4-Chloro-3-methylphenol	ug/L	0	85.9	100	84.3	100	0	-	77.4	65.8	75.0
4-Chloroaniline	ug/L	0	99.2	100	102	100	0	-	-	-	-
4-Chlorophenylphenylether	ug/L	0	82.4	100	82.1	100	0	-	-	-	-
4-Methylphenol (p-Cresol)	ug/L	0	67.7	100	65.6	100	0	-	-	-	-
4-Nitroaniline	ug/L	0	98.4	100	98.5	100	0	-	-	-	-
4-Nitrophenol	ug/L	0	48.5	100	43.2	100	0	-	35.5	21.3	75.0
Acenaphthene	ug/L	0	79.1	100	76.7	100	0	-	52.2	41.5	50.0
Acenaphthylene	ug/L	0	79.6	100	78.6	100	0	-	-	-	-
Aniline	ug/L	0	44.0	100	46.2	100	-	-	-	-	-
Anthracene	ug/L	0	81.4	100	82.9	100	0	-	-	-	-
Benzidine	ug/L	0	94.3	200	102	200	-	-	-	-	-
Benzo(a)anthracene	ug/L	0	94.6	100	94.1	100	0	-	-	-	-

AQUEOUS SAMPLES

Batch: BNA*9822 Method: 8270 - GC/MS for Semivolatile Organics, Capillary column, con't

		8802615*1	C8021195*1		C8021196*1		9801519*1				
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Benzo(a)pyrene	ug/L	0	96.7	100	95.8	100	0	-	-	-	-
Benzo(b)fluoranthene	ug/L	0	46.7	100	106	100	0	-	-	-	-
Benzo(g,h,i)perylene	ug/L	0	97.2	100	96.1	100	0	-	-	-	-
Benzo(k)fluoranthene	ug/L	0	92.7	100	90.4	100	0	-	-	-	-
Benzyl Alcohol	ug/L	0	81.2	100	83.7	100	0	-	-	-	-
Benzoic acid	ug/L	0	88.9	200	79.4	200	0	-	-	-	-
Butylbenzylphthalate	ug/L	0	88.3	100	88.0	100	0	-	-	-	-
Chrysene	ug/L	0	95.0	100	94.5	100	0	-	-	-	-
Di-n-octylphthalate	ug/L	0	92.7	100	94.3	100	0	-	-	-	-
Dibenzo(a,h)anthracene	ug/L	0	94.3	100	94.7	100	0	-	-	-	-
Dibenzofuran	ug/L	0	79.7	100	78.4	100	0	-	-	-	-
Dibutylphthalate	ug/L	2.4	78.2	100	79.0	100	4.7	-	-	-	-
Diethylphthalate	ug/L	0	79.5	100	80.0	100	0	-	-	-	-
Dimethylphthalate	ug/L	0	88.0	100	88.7	100	0	-	-	-	-
Fluoranthene	ug/L	0	85.8	100	85.7	100	0	-	-	-	-
Fluorene	ug/L	0	86.4	100	86.1	100	0	-	-	-	-
Hexachlorobenzene	ug/L	0	78.6	100	80.7	100	0	-	-	-	-
Hexachlorobutadiene	ug/L	0	39.5	100	40.3	100	0	-	-	-	-
Hexachlorocyclopentadiene	ug/L	0	43.1	100	36.5	100	0	-	-	-	-
Hexachloroethane	ug/L	0	29.1	100	30.8	100	0	-	-	-	-
Indeno(1,2,3-c,d)pyrene	ug/L	0	104	100	105	100	0	-	-	-	-
Isophorone	ug/L	0	89.6	100	92.7	100	0	-	-	-	-
N-Nitrosodimethylamine	ug/L	0	76.9	100	84.5	100	-	-	-	-	-
N-Nitrosodiphenylamine	ug/L	0	70.9	100	70.8	100	0	-	-	-	-
N-Nitrosodi-n-propylamine	ug/L	0	91.4	100	95.4	100	0	-	51.3	41.6	50.0
Nitrobenzene	ug/L	0	80.4	100	84.8	100	0	-	-	-	-
Naphthalene	ug/L	0	53.3	100	53.8	100	0	-	-	-	-
Phenanthrene	ug/L	0	87.5	100	88.6	100	0	-	-	-	-
Phenol	ug/L	0	59.6	100	55.7	100	0	-	42.5	36.2	75.0
Pentachlorophenol	ug/L	0	80.9	100	79.4	100	0	-	81.4	66.9	75.0
Pyrene	ug/L	0	97.8	100	96.7	100	0	-	58.0	49.0	50.0
Pyridine	ug/L	0	-	-	-	-	-	-	-	-	-
Bis(2-chloroethoxy)methane	ug/L	0	85.2	100	89.3	100	0	-	-	-	-
Bis(2-chloroethyl)ether	ug/L	0	82.5	100	88.3	100	0	-	-	-	-
Bis(2-chloroisopropyl)ether	ug/L	0	75.6	100	82.0	100	0	-	-	-	-
Bis(2-ethylhexyl)phthalate	ug/L	1.1	86.9	100	85.8	100	3.7	-	-	-	-
2-Fluorobiphenyl Reported	ug/L	41.4	43.5	50.0	42.7	50.0	31.5	-	44.5	29.1	50.0

AQUEOUS SAMPLES

Batch: BNA*9822 Method: 8270 - GC/MS for Semivolatile Organics, Capillary column, con't

		B802615*1	C8021195*1		C8021196*1		9801519*1			
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
2-Fluorobiphenyl Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	50.0	-	50.0	50.0	50.0
2-Fluorophenol Reported	ug/L	48.5	50.5	75.0	50.9	75.0	40.0	-	50.2	34.6	75.0
2-Fluorophenol Theoretical	ug/L	75.0	75.0	75.0	75.0	75.0	75.0	-	75.0	75.0	75.0
2,4,6-Tribromophenol Rep.	ug/L	72.8	69.4	75.0	68.1	75.0	55.7	-	79.7	58.1	75.0
2,4,6-Tribromophenol Theo.	ug/L	75.0	75.0	75.0	75.0	75.0	75.0	-	75.0	75.0	75.0
Nitrobenzene-d5 Reported	ug/L	42.6	44.7	50.0	46.8	50.0	31.6	-	45.5	28.3	50.0
Nitrobenzene-d5 Theoretical	ug/L	50.0	50.0	50.0	50.0	50.0	50.0	-	50.0	50.0	50.0
Phenol-d5 Reported	ug/L	41.3	45.2	75.0	42.9	75.0	35.6	-	41.1	32.1	75.0
Phenol-d5 Theoretical	ug/L	75.0	75.0	75.0	75.0	75.0	75.0	-	75.0	75.0	75.0
Terphenyl-d14 Reported	ug/L	46.3	41.4	50.0	40.9	50.0	31.0	-	42.1	31.7	50.0
Terphenyl-d14 Theoretical	ug/L	50.0	50.0	50.0	50.0	50.0	50.0	-	50.0	50.0	50.0

: SURROGATE RECOVERIES :
: BC ANALYTICAL : GLEN LAB : 06:33:54 17 MAR 1998 - P. 1 :

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
9801515*1							
8270	2-Fluorophenol	9822	02/25/98	27.1	75.0	36	
	Phenol-d5	9822	02/25/98	25.4	75.0	34	
	Nitrobenzene-d5	9822	02/25/98	28.2	50.0	56	
	2-Fluorobiphenyl	9822	02/25/98	33.2	50.0	66	
	2,4,6-Tribromophenol Rep.	9822	02/25/98	58.8	75.0	78	
	Terphenyl-d14	9822	02/25/98	35.5	50.0	71	
8260A	Toluene-d8	986031	02/10/98	48.1	50.0	96	
	4-Bromofluorobenzene Rep.	986031	02/10/98	46.3	50.0	93	
	Dibromofluoromethane Rep.	986031	02/10/98	48.7	50.0	97	
9801515*2							
8270	2-Fluorophenol	9822	02/25/98	39.2	75.0	52	
	Phenol-d5	9822	02/25/98	28.2	75.0	38	
	Nitrobenzene-d5	9822	02/25/98	34.5	50.0	69	
	2-Fluorobiphenyl	9822	02/25/98	35.6	50.0	71	
	2,4,6-Tribromophenol Rep.	9822	02/25/98	61.6	75.0	82	
	Terphenyl-d14	9822	02/25/98	34.8	50.0	70	
8260A	Toluene-d8	986032	02/10/98	47.7	50.0	95	
	4-Bromofluorobenzene Rep.	986032	02/10/98	46.2	50.0	92	
	Dibromofluoromethane Rep.	986032	02/10/98	48.4	50.0	97	
9801515*3							
8270	2-Fluorophenol	9822	02/25/98	34.5	75.0	46	
	Phenol-d5	9822	02/25/98	23.3	75.0	31	
	Nitrobenzene-d5	9822	02/25/98	31.2	50.0	62	
	2-Fluorobiphenyl	9822	02/25/98	31.3	50.0	63	
	2,4,6-Tribromophenol Rep.	9822	02/25/98	52.2	75.0	70	
	Terphenyl-d14	9822	02/25/98	30.8	50.0	62	
8260A	Toluene-d8	986032	02/10/98	48.0	50.0	96	
	4-Bromofluorobenzene Rep.	986032	02/10/98	45.7	50.0	91	
	Dibromofluoromethane Rep.	986032	02/10/98	48.2	50.0	96	
9801515*4							
8270	2-Fluorophenol	9822	02/25/98	43.8	75.0	58	
	Phenol-d5	9822	02/25/98	32.4	75.0	43	
	Nitrobenzene-d5	9822	02/25/98	37.5	50.0	75	
	2-Fluorobiphenyl	9822	02/25/98	37.3	50.0	75	
	2,4,6-Tribromophenol Rep.	9822	02/25/98	66.0	75.0	88	
	Terphenyl-d14	9822	02/25/98	37.8	50.0	76	
8260A	Toluene-d8	986032	02/10/98	47.0	50.0	94	
	4-Bromofluorobenzene Rep.	986032	02/10/98	45.2	50.0	90	
	Dibromofluoromethane Rep.	986032	02/10/98	48.3	50.0	97	
9801515*5							
8270	2-Fluorophenol	9822	02/25/98	33.8	75.0	45	
	Phenol-d5	9822	02/25/98	26.5	75.0	35	
	Nitrobenzene-d5	9822	02/25/98	32.3	50.0	65	
	2-Fluorobiphenyl	9822	02/25/98	31.9	50.0	64	
	2,4,6-Tribromophenol Rep.	9822	02/25/98	56.3	75.0	75	
	Terphenyl-d14	9822	02/25/98	35.1	50.0	70	

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
8260A	Toluene-d8	986032	02/10/98	48.0	50.0	96	
	4-Bromofluorobenzene Rep.	986032	02/10/98	45.8	50.0	92	
	Dibromofluoromethane Rep.	986032	02/10/98	46.8	50.0	94	
9801515*6							
8270	2-Fluorophenol	9822	02/25/98	40.8	75.0	54	
	Phenol-d5	9822	02/25/98	31.6	75.0	42	
	Nitrobenzene-d5	9822	02/25/98	40.1	50.0	80	
	2-Fluorobiphenyl	9822	02/25/98	39.2	50.0	78	
	2,4,6-Tribromophenol Rep.	9822	02/25/98	75.2	75.0	100	
	Terphenyl-d14	9822	02/25/98	42.7	50.0	85	
8260A	Toluene-d8	986032	02/10/98	47.6	50.0	95	
	4-Bromofluorobenzene Rep.	986032	02/10/98	44.8	50.0	90	
	Dibromofluoromethane Rep.	986032	02/10/98	47.9	50.0	96	
9801515*7							
8270	2-Fluorophenol	9822	02/25/98	36.8	75.0	49	
	Phenol-d5	9822	02/25/98	28.7	75.0	38	
	Nitrobenzene-d5	9822	02/25/98	38.4	50.0	77	
	2-Fluorobiphenyl	9822	02/25/98	35.5	50.0	71	
	2,4,6-Tribromophenol Rep.	9822	02/25/98	60.0	75.0	80	
	Terphenyl-d14	9822	02/25/98	33.7	50.0	67	
8260A	Toluene-d8	986032	02/10/98	47.5	50.0	95	
	4-Bromofluorobenzene Rep.	986032	02/10/98	45.3	50.0	91	
	Dibromofluoromethane Rep.	986032	02/10/98	47.2	50.0	94	
9801515*8							
8270	2-Fluorophenol	9822	02/26/98	34.8	75.0	46	
	Phenol-d5	9822	02/26/98	18.5	75.0	25	
	Nitrobenzene-d5	9822	02/26/98	37.2	50.0	74	
	2-Fluorobiphenyl	9822	02/26/98	36.3	50.0	73	
	2,4,6-Tribromophenol Rep.	9822	02/26/98	56.1	75.0	75	
	Terphenyl-d14	9822	02/26/98	36.2	50.0	72	
8260A	Toluene-d8	986032	02/10/98	47.9	50.0	96	
	4-Bromofluorobenzene Rep.	986032	02/10/98	45.0	50.0	90	
	Dibromofluoromethane Rep.	986032	02/10/98	48.3	50.0	97	
9801515*9							
8270	2-Fluorophenol	9822	02/26/98	40.5	75.0	54	
	Phenol-d5	9822	02/26/98	30.2	75.0	40	
	Nitrobenzene-d5	9822	02/26/98	41.4	50.0	83	
	2-Fluorobiphenyl	9822	02/26/98	38.6	50.0	77	
	2,4,6-Tribromophenol Rep.	9822	02/26/98	67.8	75.0	90	
	Terphenyl-d14	9822	02/26/98	40.7	50.0	81	
8260A	Toluene-d8	986032	02/10/98	46.9	50.0	94	
	4-Bromofluorobenzene Rep.	986032	02/10/98	44.7	50.0	89	
	Dibromofluoromethane Rep.	986032	02/10/98	47.4	50.0	95	
9801515*10							
8260A	Toluene-d8	986032	02/10/98	47.3	50.0	95	
	4-Bromofluorobenzene Rep.	986032	02/10/98	44.7	50.0	89	

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
	Dibromofluoromethane Rep.	986032	02/10/98	46.7	50.0	93	

: SURROGATE RECOVERIES :
: BC ANALYTICAL : GLEN LAB : 06:33:57 17 MAR 1998 - P. 1 :

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
B8021302*1*MB							
8260A	1,2-Dichloroethane-d4 Rep	986031	02/09/98	58.1	50.0	116	
	Dibromofluoromethane Rep.	986031	02/09/98	50.5	50.0	101	
	Toluene-d8	986031	02/09/98	46.8	50.0	94	
	4-Bromofluorobenzene Rep.	986031	02/09/98	46.5	50.0	93	
B8021347*1*MB							
8260A	1,2-Dichloroethane-d4 Rep	986032	02/10/98	61.4	50.0	123	
	Dibromofluoromethane Rep.	986032	02/10/98	49.0	50.0	98	
	Toluene-d8	986032	02/10/98	47.4	50.0	95	
	4-Bromofluorobenzene Rep.	986032	02/10/98	45.8	50.0	92	
B802615*1*MB							
8270	2-Fluorophenol	9822	02/20/98	48.5	75.0	65	
	Phenol-d5	9822	02/20/98	41.3	75.0	55	
	Nitrobenzene-d5	9822	02/20/98	42.6	50.0	85	
	2-Fluorobiphenyl	9822	02/20/98	41.4	50.0	83	
	2,4,6-Tribromophenol Rep.	9822	02/20/98	72.8	75.0	97	
	Terphenyl-d14	9822	02/20/98	46.3	50.0	93	
C8021195*1*LC							
8270	2-Fluorophenol	9822	02/20/98	50.5	75.0	67	
	Phenol-d5	9822	02/20/98	45.2	75.0	60	
	Nitrobenzene-d5	9822	02/20/98	44.7	50.0	89	
	2-Fluorobiphenyl	9822	02/20/98	43.5	50.0	87	
	2,4,6-Tribromophenol Rep.	9822	02/20/98	69.4	75.0	93	
	Terphenyl-d14	9822	02/20/98	41.4	50.0	83	
C8021195*1*LT							
8270	2-Fluorophenol	9822	02/20/98	75.0	75.0	100	
	Phenol-d5	9822	02/20/98	75.0	75.0	100	
	Nitrobenzene-d5	9822	02/20/98	50.0	50.0	100	
	2-Fluorobiphenyl	9822	02/20/98	50.0	50.0	100	
	2,4,6-Tribromophenol Rep.	9822	02/20/98	75.0	75.0	100	
	Terphenyl-d14	9822	02/20/98	50.0	50.0	100	
C8021196*1*LC							
8270	2-Fluorophenol	9822	02/20/98	50.9	75.0	68	
	Phenol-d5	9822	02/20/98	42.9	75.0	57	
	Nitrobenzene-d5	9822	02/20/98	46.8	50.0	94	
	2-Fluorobiphenyl	9822	02/20/98	42.7	50.0	85	
	2,4,6-Tribromophenol Rep.	9822	02/20/98	68.1	75.0	91	
	Terphenyl-d14	9822	02/20/98	40.9	50.0	82	
C8021196*1*LT							
8270	2-Fluorophenol	9822	02/20/98	75.0	75.0	100	
	Phenol-d5	9822	02/20/98	75.0	75.0	100	
	Nitrobenzene-d5	9822	02/20/98	50.0	50.0	100	
	2-Fluorobiphenyl	9822	02/20/98	50.0	50.0	100	

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
	2,4,6-Tribromophenol Rep.	9822	02/20/98	75.0	75.0	100	
	Terphenyl-d14	9822	02/20/98	50.0	50.0	100	
C8022652*1*LC							
8260A	1,2-Dichloroethane-d4 Rep	986031	02/09/98	55.8	50.0	112	
	Dibromofluoromethane Rep.	986031	02/09/98	51.1	50.0	102	
	Toluene-d8	986031	02/09/98	47.4	50.0	95	
	4-Bromofluorobenzene Rep.	986031	02/09/98	47.3	50.0	95	
C8022652*1*LT							
8260A	1,2-Dichloroethane-d4 Rep	986031	02/09/98	50.0	50.0	100	
	Dibromofluoromethane Rep.	986031	02/09/98	50.0	50.0	100	
	Toluene-d8	986031	02/09/98	50.0	50.0	100	
	4-Bromofluorobenzene Rep.	986031	02/09/98	50.0	50.0	100	
C8022653*1*LC							
8260A	1,2-Dichloroethane-d4 Rep	986031	02/09/98	56.0	50.0	112	
	Dibromofluoromethane Rep.	986031	02/09/98	51.1	50.0	102	
	Toluene-d8	986031	02/09/98	47.9	50.0	96	
	4-Bromofluorobenzene Rep.	986031	02/09/98	47.7	50.0	95	
C8022653*1*LT							
8260A	1,2-Dichloroethane-d4 Rep	986031	02/09/98	50.0	50.0	100	
	Dibromofluoromethane Rep.	986031	02/09/98	50.0	50.0	100	
	Toluene-d8	986031	02/09/98	50.0	50.0	100	
	4-Bromofluorobenzene Rep.	986031	02/09/98	50.0	50.0	100	
C8022741*1*LC							
8260A	1,2-Dichloroethane-d4 Rep	986032	02/10/98	62.3	50.0	125	
	Dibromofluoromethane Rep.	986032	02/10/98	47.3	50.0	95	
	Toluene-d8	986032	02/10/98	48.8	50.0	98	
	4-Bromofluorobenzene Rep.	986032	02/10/98	47.2	50.0	94	
C8022741*1*LT							
8260A	1,2-Dichloroethane-d4 Rep	986032	02/10/98	50.0	50.0	100	
	Dibromofluoromethane Rep.	986032	02/10/98	50.0	50.0	100	
	Toluene-d8	986032	02/10/98	50.0	50.0	100	
	4-Bromofluorobenzene Rep.	986032	02/10/98	50.0	50.0	100	
C8022742*1*LC							
8260A	1,2-Dichloroethane-d4 Rep	986032	02/10/98	61.5	50.0	123	
	Dibromofluoromethane Rep.	986032	02/10/98	47.3	50.0	95	
	Toluene-d8	986032	02/10/98	48.3	50.0	97	
	4-Bromofluorobenzene Rep.	986032	02/10/98	46.9	50.0	94	
C8022742*1*LT							
8260A	1,2-Dichloroethane-d4 Rep	986032	02/10/98	50.0	50.0	100	
	Dibromofluoromethane Rep.	986032	02/10/98	50.0	50.0	100	

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
	Toluene-d8	986032	02/10/98	50.0	50.0	100	
	4-Bromofluorobenzene Rep.	986032	02/10/98	50.0	50.0	100	

CHAIN OF CUSTODY RECORD

Ship To: VOC Analytical
Attn: Sample Control
801 Western
Glendale CA

Page 1 of 3
Project Name: WDI
Project No.: 94-256
Site Location: Santa Fe Springs
Date: 1/28/98

6980151S

Boring/Well No.	Sample No.	Depth	Date	Time	Sample Type: Water	Solid	Other	Comp.	Grab.	Sample Containers: Vol.	No.	Type	Pres.	Analysis: 8260	8270	Metals	Remarks
WDI-GMW	28-05		1/28/98	0810	X					40ml	2	VOA	HCl	X			
↓			↓	↓	↓					1l	2	Amber	—		X		
↓			↓	↓	↓					1l	1	Poly	HNO3			X	
WDI-GMW	28-05F	FLTRD	↓	↓	↓					1l	1	"	"			X	
WDI-GMW	21-05		1/28/98	0915	X					40ml	2	VOA	HCl	X			
↓			↓	↓	↓					1l	2	Amber	—		X		
↓			↓	↓	↓					1l	1	Poly	HNO3			X	
WDI-GMW	21-05F	FLTRD	↓	↓	↓					1l	1	"	"			X	
WDI-GMW	27-05		1/28/98	1020	X					40ml	2	VOA	HCl	X			
↓			↓	↓	↓					1l	2	Amber	—		X		
↓			↓	↓	↓					1l	1	Poly	HNO3			X	
WDI-GMW	27-05	FLTRD	↓	↓	↓					1l	1	"	"			X	
WDI-MWF	027-05		1/28/98	1020	X					40ml	2	VOA	HCl	X			
↓			↓	↓	↓					1l	2	Amber	—		X		
↓			↓	↓	↓					1l	1	Poly	HNO3			X	

Total Number of Samples Shipped: 54 Shipper's Signature: Glenn Andrusko

	Signature	Company	Date	Time
Relinquished by:	Glenn Andrusko	TRC	1/28/98	4:25
Received by:	A. Makijan	AR, A	1-28-98	4:25
Relinquished by:	A. Makijan	AR, A	1-28-98	5:10
Received by:	Sharon Malone	SVOC	1-28-98	1710
Relinquished by:				
Received by:				

Special Instructions / Shipment / Handling/ Storage Requirements:

Send results attn. Roberto Puga.

The material(s) listed are received for analysis and/or treatability evaluation and remain the property of the client and not Environmental Solutions, Inc. At the conclusion of the test work, all remaining material(s) will be returned to the client for eventual disposal at a licensed facility.

☒ ENVIRONMENTAL SOLUTIONS, INC.
21 Technology Drive
Irvine, California 92718

☐ ENVIRONMENTAL SOLUTIONS, INC.
1172 Pelican Bay Drive
Daytona Beach, Florida 32119

☐ ENVIRONMENTAL SOLUTIONS, INC.
1201 N. McDowell Boulevard
Petaluma, California 94954

☐ ENVIRONMENTAL SOLUTIONS, INC.
2815 Mitchell Drive, Suite 103
Walnut Creek, California 94598

Ship To: VOC

Attn:

Glendale

Page 2 of 3

Project Name: WDT

Project No.: 94-256

Site Location: SFS, CA

Date: 1/28/98

CHAIN OF CUSTODY RECORD

69801515

Boring/Well No.	Sample No.	Depth	Date	Time	Sample Type: Water	Solid	Other	Comp.	Grab.	Sample Containers: Vol.	No.	Type	Pres.	Analysis: 8260	8270	Metals					Remarks
WDT-MW	22-05	FLTRD	1/28/98	1020	X					1l	1	Poly	HNO_3			X					
WDT-GMW	26-05		1/28/98	1203	X					40ml	2	VOA	HCl	X							
↓			↓	↓	↓					1l	2	Amber	—		X						
↓										1l	1	Poly	HNO_3			X					
WDT-GMW	26-05	FLTRD	↓	↓	↓					1l	1	"	"			X					
WDT-GMW	14-05		1/28/98	1335	X					40ml	2	VOA	HCl	X							
↓			↓	↓	↓					1l	2	Amber	—		X						
↓										1l	1	Poly	HNO_3			X					
WDT-GMW	14-05	FLTRD	↓	↓	↓					1l	1	"	"			X					
WDT-GMW	23-05		1/28/98	1510	X					40ml	2	VOA	HCl	X							
↓			↓	↓	↓					1l	2	Amber	—		X						
↓										1l	1	Poly	HNO_3			X					
WDT-GMW	23-05	FLTRD	↓	↓	↓					1l	1	"	"			X					
WDT-MW	FB23-05		1/28/98	1535	X					40ml	2	VOA	HCl	X							
"			"	"	X					1l	2	Amber	—		X						

Total Number of Samples Shipped: 54 Shipper's Signature: Glenn Anderson

	Signature	Company	Date	Time
Relinquished by:	Glenn Anderson	TRC	1/28/98	4:25
Received by:	A. Makijan	ARCA	1-28-98	4:25
Relinquished by:	A. Makijan	ARCA	1-29-98	5:10
Received by:	Sharon Malone	VOC	1-28-98	1710
Relinquished by:				
Received by:				

Special Instructions / Shipment / Handling/ Storage Requirements:

The material(s) listed are received for analysis and/or treatability evaluation and remain the property of the client and not Environmental Solutions, Inc. At the conclusion of the test work, all remaining material(s) will be returned to the client for eventual disposal at a licensed facility.

☒ ENVIRONMENTAL SOLUTIONS, INC.
21 Technology Drive
Irvine, California 92718

☐ ENVIRONMENTAL SOLUTIONS, INC.
1172 Pelican Bay Drive
Daytona Beach, Florida 32119

☐ ENVIRONMENTAL SOLUTIONS, INC.
1201 N. McDowell Boulevard
Petaluma, California 94954

☐ ENVIRONMENTAL SOLUTIONS, INC.
2815 Mitchell Drive, Suite 103
Walnut Creek, California 94598

Ship To: VOC
Attn:
Glendale

Page 3 of 3
Project Name: WDI
Project No.: 94-256
Site Location: SFS, CA
Date: 1/28/98

CHAIN OF CUSTODY RECORD

G9801515

Boring/Well No.	Sample No.	Depth	Date	Time	Sample Type: Water	Solid	Other	Comp.	Grab.	Sample Containers: Vol.	No.	Type	Pres.	Analysis: Methods	8260	8270						Remarks
WDI-MW	FB23-	05	1/28/98	1635	X					1L	1	Poly	HNO3	X								
WDI-MW	FB23-	05	1/28/98	1645	X					1L	1	"	"	X								
↓			↓	↓	↓					40mL	2	VOA	HCl		X							
↓			↓	↓	↓					1L	2	Amber	—			X						
WDI-MW	TB28-	05	1/28/98	0810	X					40mL	2	VOA	HCl		X							

Total Number of Samples Shipped: 54 Shipper's Signature: Glenn Andreasen

	Signature	Company	Date	Time
Relinquished by:	Glenn Andreasen	TRC	1/28/98	4:25
Received by:	A-Madrigal	ARIA	1-28-98	4:25
Relinquished by:	A-Madrigal	ARIA	1-28-98	5:10
Received by:	Sharon Maldonado	VOC	1-28-98	1710
Relinquished by:				
Received by:				

Special Instructions / Shipment / Handling/ Storage Requirements:

The material(s) listed are received for analysis and/or treatability evaluation and remain the property of the client and not Environmental Solutions, Inc. At the conclusion of the test work, all remaining material(s) will be returned to the client for eventual disposal at a licensed facility.

☒ ENVIRONMENTAL SOLUTIONS, INC.
21 Technology Drive
Irvine, California 92718

☐ ENVIRONMENTAL SOLUTIONS, INC.
1172 Pelican Bay Drive
Daytona Beach, Florida 32119

☐ ENVIRONMENTAL SOLUTIONS, INC.
1201 N. McDowell Boulevard
Petaluma, California 94954

☐ ENVIRONMENTAL SOLUTIONS, INC.
2815 Mitchell Drive, Suite 103
Walnut Creek, California 94598

ANALYTICAL REPORT

Our Quality Control Is Your Quality Assurance

LOG NO: G98-01-569

Received: 29 JAN 98

Mailed:

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-569-1	WDI-GMW22-05	29 JAN 98
01-569-2	WDI-GMW24-05	29 JAN 98
01-569-3	WDI-GMW11-05	29 JAN 98
01-569-4	WDI-GMW10-05	29 JAN 98
01-569-5	WDI-GMW02-05	29 JAN 98

PARAMETER	01-569-1	01-569-2	01-569-3	01-569-4	01-569-5
Digestion (3005), Date	02/12/98	02/12/98	02/12/98	02/12/98	02/12/98
Furnace Digestion (3020), Date	02/12/98	02/12/98	02/12/98	02/12/98	02/12/98
Arsenic (7060), mg/L	<0.002	<0.002	<0.002	<0.002	<0.002
Antimony (6010), mg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Barium (6010), mg/L	0.051	0.028	0.036	0.050	0.032
Beryllium (6010), mg/L	<0.001	<0.001	<0.001	<0.001	<0.001
Cadmium (7131), mg/L	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium (6010), mg/L	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (6010), mg/L	<0.04	<0.04	<0.04	<0.04	<0.04
Copper (6010), mg/L	<0.02	0.025	<0.02	<0.02	<0.02
Lead (7421), mg/L	<0.002	0.0099	0.0025	0.0029	<0.002
Mercury (7470), mg/L	0.0017	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (6010), mg/L	<0.02	<0.02	<0.02	<0.02	<0.02
Nickel (6010), mg/L	<0.04	<0.04	<0.04	<0.04	<0.04
Selenium (7740), mg/L	<0.004	0.026	0.023	0.0064	0.018
Silver (6010), mg/L	<0.01	<0.01	0.011	<0.01	<0.01
Thallium (6010), mg/L	<0.07	<0.07	<0.07	<0.07	<0.07
Vanadium (6010), mg/L	<0.04	<0.04	<0.04	<0.04	<0.04
Zinc (6010), mg/L	<0.01	0.016	<0.01	<0.01	<0.01
Aluminum (6010), mg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium (6010), mg/L	260	290	310	210	270
Iron (6010), mg/L	<0.04	<0.04	0.084	<0.04	0.062

VOC Analytical Laboratories, Inc.
801 Western Avenue, Glendale, CA 91201 - **Phone:** (818) 247-5737 - **Fax:** (818) 247-9797

LOG NO: G98-01-569

Received: 29 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-569-1	WDI-GMW22-05	29 JAN 98
01-569-2	WDI-GMW24-05	29 JAN 98
01-569-3	WDI-GMW11-05	29 JAN 98
01-569-4	WDI-GMW10-05	29 JAN 98
01-569-5	WDI-GMW02-05	29 JAN 98

PARAMETER	01-569-1	01-569-2	01-569-3	01-569-4	01-569-5
B/N,A Ext.Pri.Poll. (8270)					
Date Analyzed	02/26/98	02/26/98	02/26/98	02/26/98	02/26/98
Date Extracted	02/05/98	02/05/98	02/05/98	02/05/98	02/05/98
Dilution Factor, Times	1	1	1	1	1
1,2,4-Trichlorobenzene, ug/L	<5	<5	<5	<5	<5
1,2-Dichlorobenzene, ug/L	<5	<5	<5	<5	<5
1,2-Diphenylhydrazine, ug/L	<5	<5	<5	<5	<5
1,3-Dichlorobenzene, ug/L	<5	<5	<5	<5	<5
1,4-Dichlorobenzene, ug/L	<5	<5	<5	<5	<5
2,4,5-Trichlorophenol, ug/L	<5	<5	<5	<5	<5
2,4,6-Trichlorophenol, ug/L	<5	<5	<5	<5	<5
2,4-Dichlorophenol, ug/L	<5	<5	<5	<5	<5
2,4-Dimethylphenol, ug/L	<5	<5	<5	<5	<5
2,4-Dinitrophenol, ug/L	<10	<10	<10	<10	<10
2,4-Dinitrotoluene, ug/L	<5	<5	<5	<5	<5
2,6-Dinitrotoluene, ug/L	<5	<5	<5	<5	<5
2-Chloronaphthalene, ug/L	<5	<5	<5	<5	<5
2-Chlorophenol, ug/L	<5	<5	<5	<5	<5
2-Methyl-4,6-dinitrophenol, ug/L	<10	<10	<10	<10	<10
2-Methylnaphthalene, ug/L	<5	<5	<5	<5	<5
2-Methylphenol (o-Cresol), ug/L	<5	<5	<5	<5	<5
2-Nitroaniline, ug/L	<5	<5	<5	<5	<5
2-Nitrophenol, ug/L	<5	<5	<5	<5	<5

LOG NO: G98-01-569

Received: 29 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-569-1	WDI-GMW22-05	29 JAN 98
01-569-2	WDI-GMW24-05	29 JAN 98
01-569-3	WDI-GMW11-05	29 JAN 98
01-569-4	WDI-GMW10-05	29 JAN 98
01-569-5	WDI-GMW02-05	29 JAN 98

PARAMETER	01-569-1	01-569-2	01-569-3	01-569-4	01-569-5
3,3'-Dichlorobenzidine, ug/L	<10	<10	<10	<10	<10
3-Nitroaniline, ug/L	<5	<5	<5	<5	<5
4-Bromophenylphenylether, ug/L	<5	<5	<5	<5	<5
4-Chloro-3-methylphenol, ug/L	<5	<5	<5	<5	<5
4-Chloroaniline, ug/L	<5	<5	<5	<5	<5
4-Chlorophenylphenylether, ug/L	<5	<5	<5	<5	<5
4-Methylphenol (p-Cresol), ug/L	<10	<10	<10	<10	<10
4-Nitroaniline, ug/L	<5	<5	<5	<5	<5
4-Nitrophenol, ug/L	<10	<10	<10	<10	<10
Acenaphthene, ug/L	<5	<5	<5	<5	<5
Acenaphthylene, ug/L	<5	<5	<5	<5	<5
Aniline, ug/L	<5	<5	<5	<5	<5
Anthracene, ug/L	<5	<5	<5	<5	<5
Benzidine, ug/L	<100	<100	<100	<100	<100
Benzo(a)anthracene, ug/L	<5	<5	<5	<5	<5
Benzo(a)pyrene, ug/L	<5	<5	<5	<5	<5
Benzo(b)fluoranthene, ug/L	<5	<5	<5	<5	<5
Benzo(g,h,i)perylene, ug/L	<5	<5	<5	<5	<5
Benzo(k)fluoranthene, ug/L	<5	<5	<5	<5	<5
Benzyl Alcohol, ug/L	<10	<10	<10	<10	<10
Benzoic acid, ug/L	<50	<50	<50	<50	<50
Butylbenzylphthalate, ug/L	<5	<5	<5	<5	<5
Chrysene, ug/L	<5	<5	<5	<5	<5

LOG NO: G98-01-569

Received: 29 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-569-1	WDI-GMW22-05	29 JAN 98
01-569-2	WDI-GMW24-05	29 JAN 98
01-569-3	WDI-GMW11-05	29 JAN 98
01-569-4	WDI-GMW10-05	29 JAN 98
01-569-5	WDI-GMW02-05	29 JAN 98

PARAMETER	01-569-1	01-569-2	01-569-3	01-569-4	01-569-5
Di-n-octylphthalate, ug/L	<5	<5	<5	<5	<5
Dibenzo(a,h)anthracene, ug/L	<5	<5	<5	<5	<5
Dibenzofuran, ug/L	<5	<5	<5	<5	<5
Dibutylphthalate, ug/L	<10	<10	<10	<10	<10
Diethylphthalate, ug/L	<10	<10	<10	<10	<10
Dimethylphthalate, ug/L	<5	<5	<5	<5	<5
Fluoranthene, ug/L	<5	<5	<5	<5	<5
Fluorene, ug/L	<5	<5	<5	<5	<5
Hexachlorobenzene, ug/L	<5	<5	<5	<5	<5
Hexachlorobutadiene, ug/L	<5	<5	<5	<5	<5
Hexachlorocyclopentadiene, ug/L	<10	<10	<10	<10	<10
Hexachloroethane, ug/L	<5	<5	<5	<5	<5
Indeno(1,2,3-c,d)pyrene, ug/L	<5	<5	<5	<5	<5
Isophorone, ug/L	<5	<5	<5	<5	<5
N-Nitrosodimethylamine, ug/L	<5	<5	<5	<5	<5
N-Nitrosodiphenylamine, ug/L	<5	<5	<5	<5	<5
N-Nitrosodi-n-propylamine, ug/L	<5	<5	<5	<5	<5
Nitrobenzene, ug/L	<5	<5	<5	<5	<5
Naphthalene, ug/L	<5	<5	<5	<5	<5
Phenanthrene, ug/L	<5	<5	<5	<5	<5
Phenol, ug/L	<5	<5	<5	<5	<5
Pentachlorophenol, ug/L	<10	<10	<10	<10	<10
Pyrene, ug/L	<5	<5	<5	<5	<5

LOG NO: G98-01-569

Received: 29 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-569-1	WDI-GMW22-05	29 JAN 98
01-569-2	WDI-GMW24-05	29 JAN 98
01-569-3	WDI-GMW11-05	29 JAN 98
01-569-4	WDI-GMW10-05	29 JAN 98
01-569-5	WDI-GMW02-05	29 JAN 98

PARAMETER	01-569-1	01-569-2	01-569-3	01-569-4	01-569-5
Pyridine, ug/L	<10	<10	<10	<10	<10
Bis(2-chloroethoxy)methane, ug/L	<5	<5	<5	<5	<5
Bis(2-chloroethyl)ether, ug/L	<5	<5	<5	<5	<5
Bis(2-chloroisopropyl)ether, ug/L	<5	<5	<5	<5	<5
Bis(2-ethylhexyl)phthalate, ug/L	<10	<10	<10	<10	<10
Surrogates **					
2-Fluorobiphenyl Reported, ug/L	34.4	40.4	37.3	31.7	34.1
2-Fluorobiphenyl Theo., ug/L	50.0	50.0	50.0	50.0	50.0
2-Fluorophenol Reported, ug/L	38.2	41.2	39.8	34.9	38.5
2-Fluorophenol Theoretical, ug/L	75.0	75.0	75.0	75.0	75.0
2,4,6-Tribromophenol Rep., ug/L	59.6	65.1	64.7	65.5	61.1
2,4,6-Tribromophenol Theo., ug/L	75.0	75.0	75.0	75.0	75.0
Nitrobenzene-d5 Reported, ug/L	35.5	40.4	39.0	36.7	36.8
Nitrobenzene-d5 Theoretical, ug/L	50.0	50.0	50.0	50.0	50.0
Phenol-d5 Reported, ug/L	31.2	32.1	30.5	27.8	31.4
Phenol-d5 Theoretical, ug/L	75.0	75.0	75.0	75.0	75.0
Terphenyl-d14 Reported, ug/L	36.7	38.6	39.2	36.2	38.4
Terphenyl-d14 Theoretical, ug/L	50.0	50.0	50.0	50.0	50.0

LOG NO: G98-01-569

Received: 29 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-569-1	WDI-GMW22-05	29 JAN 98
01-569-2	WDI-GMW24-05	29 JAN 98
01-569-3	WDI-GMW11-05	29 JAN 98
01-569-4	WDI-GMW10-05	29 JAN 98
01-569-5	WDI-GMW02-05	29 JAN 98

PARAMETER	01-569-1	01-569-2	01-569-3	01-569-4	01-569-5
Volatile Organics (8260A)					
Date Analyzed	02/10/98	02/10/98	02/10/98	02/10/98	02/10/98
Dilution Factor, Times	1	1	1	1	1
1,1,1-Trichloroethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
2-Chloroethylvinylether, ug/L	<4	<4	<4	<4	<4
2-Hexanone, ug/L	<5	<5	<5	<5	<5
Acetone, ug/L	<10	<10	<10	<10	<10
Bromodichloromethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Bromomethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Benzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Bromoform, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Carbon Tetrachloride, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane, ug/L	<1	<1	<1	<1	<1
Carbon Disulfide, ug/L	<2	<2	<2	<2	<2

LOG NO: G98-01-569

Received: 29 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-569-1	WDI-GMW22-05	29 JAN 98
01-569-2	WDI-GMW24-05	29 JAN 98
01-569-3	WDI-GMW11-05	29 JAN 98
01-569-4	WDI-GMW10-05	29 JAN 98
01-569-5	WDI-GMW02-05	29 JAN 98

PARAMETER	01-569-1	01-569-2	01-569-3	01-569-4	01-569-5
Dibromochloromethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Methyl ethyl ketone, ug/L	<10	<10	<10	<10	<10
Methyl isobutyl ketone, ug/L	<4	<4	<4	<4	<4
Methylene chloride, ug/L	<2	<2	<2	<2	<2
Trichloroethene, ug/L	<0.5	<0.5	6.8	<0.5	<0.5
Tetrachloroethene, ug/L	5.3	30	74	1.2	<0.5
Vinyl acetate, ug/L	<5	<5	<5	<5	<5
Vinyl chloride, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene, ug/L	<0.5	<0.5	0.71	<0.5	<0.5
cis-1,3-Dichloropropene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Surrogates **					
4-Bromofluorobenzene Rep., ug/L	44.3	44.4	43.1	42.7	42.7
4-Bromofluorobenzene Theo., ug/L	50.0	50.0	50.0	50.0	50.0
Toluene-d8 Reported, ug/L	47.3	46.7	46.5	46.8	46.5
Toluene-d8 Theo., ug/L	50.0	50.0	50.0	50.0	50.0
Dibromofluoromethane Rep., ug/L	46.7	47.0	45.6	46.1	46.7
Dibromofluoromethane Theo., ug/L	50.0	50.0	50.0	50.0	50.0

LOG NO: G98-01-569

Received: 29 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-569-6	WDI-MWFD-02-05	29 JAN 98
01-569-8	WDI-GMW03-05	29 JAN 98

PARAMETER	01-569-6	01-569-8
Digestion (3005), Date	02/12/98	02/12/98
Furnace Digestion (3020), Date	02/12/98	02/12/98
Arsenic (7060), mg/L	<0.002	<0.002
Antimony (6010), mg/L	<0.1	<0.1
Barium (6010), mg/L	0.031	0.034
Beryllium (6010), mg/L	<0.001	<0.001
Cadmium (7131), mg/L	<0.001	<0.001
Chromium (6010), mg/L	<0.01	<0.01
Cobalt (6010), mg/L	<0.04	<0.04
Copper (6010), mg/L	<0.02	0.021
Lead (7421), mg/L	<0.002	0.0028
Mercury (7470), mg/L	<0.0002	<0.0002
Molybdenum (6010), mg/L	<0.02	<0.02
Nickel (6010), mg/L	<0.04	<0.04
Selenium (7740), mg/L	0.017	0.019
Silver (6010), mg/L	<0.01	<0.01
Thallium (6010), mg/L	<0.07	<0.07
Vanadium (6010), mg/L	<0.04	<0.04
Zinc (6010), mg/L	<0.01	<0.01
Aluminum (6010), mg/L	<0.1	<0.1
Calcium (6010), mg/L	290	300
Iron (6010), mg/L	<0.04	0.071

LOG NO: G98-01-569

Received: 29 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-569-6	WDI-MWFD-02-05	29 JAN 98
01-569-8	WDI-GMW03-05	29 JAN 98

PARAMETER	01-569-6	01-569-8	
B/N,A Ext.Pri.Poll. (8270)			
Date Analyzed	02/26/98	02/26/98	
Date Extracted	02/05/98	02/05/98	
Dilution Factor, Times	1	1	
1,2,4-Trichlorobenzene, ug/L	<5	<5	
1,2-Dichlorobenzene, ug/L	<5	<5	
1,2-Diphenylhydrazine, ug/L	<5	<5	
1,3-Dichlorobenzene, ug/L	<5	<5	
1,4-Dichlorobenzene, ug/L	<5	<5	
2,4,5-Trichlorophenol, ug/L	<5	<5	
2,4,6-Trichlorophenol, ug/L	<5	<5	
2,4-Dichlorophenol, ug/L	<5	<5	
2,4-Dimethylphenol, ug/L	<5	<5	
2,4-Dinitrophenol, ug/L	<10	<10	
2,4-Dinitrotoluene, ug/L	<5	<5	
2,6-Dinitrotoluene, ug/L	<5	<5	
2-Chloronaphthalene, ug/L	<5	<5	
2-Chlorophenol, ug/L	<5	<5	
2-Methyl-4,6-dinitrophenol, ug/L	<10	<10	
2-Methylnaphthalene, ug/L	<5	<5	
2-Methylphenol (o-Cresol), ug/L	<5	<5	
2-Nitroaniline, ug/L	<5	<5	
2-Nitrophenol, ug/L	<5	<5	
3,3'-Dichlorobenzidine, ug/L	<10	<10	
3-Nitroaniline, ug/L	<5	<5	
4-Bromophenylphenylether, ug/L	<5	<5	

LOG NO: G98-01-569

Received: 29 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-569-6	WDI-MWFD-02-05	29 JAN 98
01-569-8	WDI-GMW03-05	29 JAN 98

PARAMETER	01-569-6	01-569-8	
4-Chloro-3-methylphenol, ug/L	<5	<5	
4-Chloroaniline, ug/L	<5	<5	
4-Chlorophenylphenylether, ug/L	<5	<5	
4-Methylphenol (p-Cresol), ug/L	<10	<10	
4-Nitroaniline, ug/L	<5	<5	
4-Nitrophenol, ug/L	<10	<10	
Acenaphthene, ug/L	<5	<5	
Acenaphthylene, ug/L	<5	<5	
Aniline, ug/L	<5	<5	
Anthracene, ug/L	<5	<5	
Benzidine, ug/L	<100	<100	
Benzo(a)anthracene, ug/L	<5	<5	
Benzo(a)pyrene, ug/L	<5	<5	
Benzo(b)fluoranthene, ug/L	<5	<5	
Benzo(g,h,i)perylene, ug/L	<5	<5	
Benzo(k)fluoranthene, ug/L	<5	<5	
Benzyl Alcohol, ug/L	<10	<10	
Benzoic acid, ug/L	<50	<50	
Butylbenzylphthalate, ug/L	<5	<5	
Chrysene, ug/L	<5	<5	
Di-n-octylphthalate, ug/L	<5	<5	
Dibenzo(a,h)anthracene, ug/L	<5	<5	
Dibenzofuran, ug/L	<5	<5	
Dibutylphthalate, ug/L	<10	<10	
Diethylphthalate, ug/L	<10	<10	
Dimethylphthalate, ug/L	<5	<5	

LOG NO: G98-01-569

Received: 29 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-569-6	WDI-MWFD-02-05	29 JAN 98
01-569-8	WDI-GMW03-05	29 JAN 98

PARAMETER	01-569-6	01-569-8	
Fluoranthene, ug/L	<5	<5	
Fluorene, ug/L	<5	<5	
Hexachlorobenzene, ug/L	<5	<5	
Hexachlorobutadiene, ug/L	<5	<5	
Hexachlorocyclopentadiene, ug/L	<10	<10	
Hexachloroethane, ug/L	<5	<5	
Indeno(1,2,3-c,d)pyrene, ug/L	<5	<5	
Isophorone, ug/L	<5	<5	
N-Nitrosodimethylamine, ug/L	<5	<5	
N-Nitrosodiphenylamine, ug/L	<5	<5	
N-Nitrosodi-n-propylamine, ug/L	<5	<5	
Nitrobenzene, ug/L	<5	<5	
Naphthalene, ug/L	<5	<5	
Phenanthrene, ug/L	<5	<5	
Phenol, ug/L	<5	<5	
Pentachlorophenol, ug/L	<10	<10	
Pyrene, ug/L	<5	<5	
Pyridine, ug/L	<10	<10	
Bis(2-chloroethoxy)methane, ug/L	<5	<5	
Bis(2-chloroethyl)ether, ug/L	<5	<5	
Bis(2-chloroisopropyl)ether, ug/L	<5	<5	
Bis(2-ethylhexyl)phthalate, ug/L	<10	<10	
Surrogates **			
2-Fluorobiphenyl Reported, ug/L	31.7	35.0	
2-Fluorobiphenyl Theo., ug/L	50.0	50.0	
2-Fluorophenol Reported, ug/L	35.9	39.2	

LOG NO: G98-01-569

Received: 29 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-569-6	WDI-MWFD-02-05	29 JAN 98
01-569-8	WDI-GMW03-05	29 JAN 98

PARAMETER	01-569-6	01-569-8
2-Fluorophenol Theoretical, ug/L	75.0	75.0
2,4,6-Tribromophenol Rep., ug/L	58.2	58.7
2,4,6-Tribromophenol Theo., ug/L	75.0	75.0
Nitrobenzene-d5 Reported, ug/L	35.0	35.1
Nitrobenzene-d5 Theoretical, ug/L	50.0	50.0
Phenol-d5 Reported, ug/L	28.0	30.6
Phenol-d5 Theoretical, ug/L	75.0	75.0
Terphenyl-d14 Reported, ug/L	36.7	37.0
Terphenyl-d14 Theoretical, ug/L	50.0	50.0

LOG NO: G98-01-569

Received: 29 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-569-6	WDI-MWFD-02-05	29 JAN 98
01-569-8	WDI-GMW03-05	29 JAN 98

PARAMETER	01-569-6	01-569-8
Volatile Organics (8260A)		
Date Analyzed	02/10/98	02/10/98
Dilution Factor, Times	1	1
1,1,1-Trichloroethane, ug/L	<0.5	<0.5
1,1,2,2-Tetrachloroethane, ug/L	<0.5	<0.5
1,1,2-Trichloroethane, ug/L	<0.5	<0.5
1,1-Dichloroethane, ug/L	<0.5	<0.5
1,1-Dichloroethene, ug/L	<0.5	<0.5
1,2-Dibromoethane, ug/L	<0.5	<0.5
1,2-Dichloroethane, ug/L	<0.5	<0.5
1,2-Dichloropropane, ug/L	<0.5	<0.5
2-Chloroethylvinylether, ug/L	<4	<4
2-Hexanone, ug/L	<5	<5
Acetone, ug/L	<10	<10
Bromodichloromethane, ug/L	<0.5	<0.5
Bromomethane, ug/L	<0.5	<0.5
Benzene, ug/L	<0.5	<0.5
Bromoform, ug/L	<0.5	<0.5
Carbon Tetrachloride, ug/L	<0.5	<0.5
Chloroethane, ug/L	<0.5	<0.5
Chloroform, ug/L	<0.5	<0.5
Chloromethane, ug/L	<1	<1
Carbon Disulfide, ug/L	<2	<2
Dibromochloromethane, ug/L	<0.5	<0.5
Methyl ethyl ketone, ug/L	<10	<10
Methyl isobutyl ketone, ug/L	<4	<4

LOG NO: G98-01-569

Received: 29 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-569-6	WDI-MWFD-02-05	29 JAN 98
01-569-8	WDI-GMW03-05	29 JAN 98

PARAMETER	01-569-6	01-569-8
Methylene chloride, ug/L	<2	<2
Trichloroethene, ug/L	<0.5	<0.5
Tetrachloroethene, ug/L	<0.5	<0.5
Vinyl acetate, ug/L	<5	<5
Vinyl chloride, ug/L	<0.5	<0.5
cis-1,2-Dichloroethene, ug/L	<0.5	<0.5
cis-1,3-Dichloropropene, ug/L	<0.5	<0.5
trans-1,2-Dichloroethene, ug/L	<0.5	<0.5
trans-1,3-Dichloropropene, ug/L	<0.5	<0.5
Surrogates **		
4-Bromofluorobenzene Rep., ug/L	43.4	43.9
4-Bromofluorobenzene Theo., ug/L	50.0	50.0
Toluene-d8 Reported, ug/L	47.7	47.7
Toluene-d8 Theo., ug/L	50.0	50.0
Dibromofluoromethane Rep., ug/L	47.2	46.4
Dibromofluoromethane Theo., ug/L	50.0	50.0

LOG NO: G98-01-569

Received: 29 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-569-7	WDI-MWFR-02-05	29 JAN 98

PARAMETER	01-569-7
Digestion (3005), Date	02/12/98
Furnace Digestion (3020), Date	02/12/98
Arsenic (7060), mg/L	<0.002
Antimony (6010), mg/L	<0.1
Barium (6010), mg/L	0.0057
Beryllium (6010), mg/L	<0.001
Cadmium (7131), mg/L	<0.001
Chromium (6010), mg/L	<0.01
Cobalt (6010), mg/L	<0.04
Copper (6010), mg/L	<0.02
Lead (7421), mg/L	<0.002
Mercury (7470), mg/L	<0.0002
Molybdenum (6010), mg/L	<0.02
Nickel (6010), mg/L	<0.04
Selenium (7740), mg/L	<0.004
Silver (6010), mg/L	<0.01
Thallium (6010), mg/L	<0.07
Vanadium (6010), mg/L	<0.04
Zinc (6010), mg/L	0.041
Aluminum (6010), mg/L	<0.1
Calcium (6010), mg/L	<0.5
Iron (6010), mg/L	0.14

LOG NO: G98-01-569

Received: 29 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-569-7	WDI-MWFR-02-05	29 JAN 98

PARAMETER	01-569-7
B/N,A Ext.Pri.Poll. (8270)	
Date Analyzed	02/26/98
Date Extracted	02/05/98
Dilution Factor, Times	1
1,2,4-Trichlorobenzene, ug/L	<5
1,2-Dichlorobenzene, ug/L	<5
1,2-Diphenylhydrazine, ug/L	<5
1,3-Dichlorobenzene, ug/L	<5
1,4-Dichlorobenzene, ug/L	<5
2,4,5-Trichlorophenol, ug/L	<5
2,4,6-Trichlorophenol, ug/L	<5
2,4-Dichlorophenol, ug/L	<5
2,4-Dimethylphenol, ug/L	<5
2,4-Dinitrophenol, ug/L	<10
2,4-Dinitrotoluene, ug/L	<5
2,6-Dinitrotoluene, ug/L	<5
2-Chloronaphthalene, ug/L	<5
2-Chlorophenol, ug/L	<5
2-Methyl-4,6-dinitrophenol, ug/L	<10
2-Methylnaphthalene, ug/L	<5
2-Methylphenol (o-Cresol), ug/L	<5
2-Nitroaniline, ug/L	<5
2-Nitrophenol, ug/L	<5
3,3'-Dichlorobenzidine, ug/L	<10
3-Nitroaniline, ug/L	<5
4-Bromophenylphenylether, ug/L	<5
4-Chloro-3-methylphenol, ug/L	<5

LOG NO: G98-01-569

Received: 29 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-569-7	WDI-MWFR-02-05	29 JAN 98

PARAMETER	01-569-7
4-Chloroaniline, ug/L	<5
4-Chlorophenylphenylether, ug/L	<5
4-Methylphenol (p-Cresol), ug/L	<10
4-Nitroaniline, ug/L	<5
4-Nitrophenol, ug/L	<10
Acenaphthene, ug/L	<5
Acenaphthylene, ug/L	<5
Aniline, ug/L	<5
Anthracene, ug/L	<5
Benzidine, ug/L	<100
Benzo(a)anthracene, ug/L	<5
Benzo(a)pyrene, ug/L	<5
Benzo(b)fluoranthene, ug/L	<5
Benzo(g,h,i)perylene, ug/L	<5
Benzo(k)fluoranthene, ug/L	<5
Benzyl Alcohol, ug/L	<10
Benzoic acid, ug/L	<50
Butylbenzylphthalate, ug/L	<5
Chrysene, ug/L	<5
Di-n-octylphthalate, ug/L	<5
Dibenzo(a,h)anthracene, ug/L	<5
Dibenzofuran, ug/L	<5
Dibutylphthalate, ug/L	<10
Diethylphthalate, ug/L	<10
Dimethylphthalate, ug/L	<5
Fluoranthene, ug/L	<5
Fluorene, ug/L	<5

LOG NO: G98-01-569

Received: 29 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-569-7	WDI-MWFR-02-05	29 JAN 98

PARAMETER	01-569-7
Hexachlorobenzene, ug/L	<5
Hexachlorobutadiene, ug/L	<5
Hexachlorocyclopentadiene, ug/L	<10
Hexachloroethane, ug/L	<5
Indeno(1,2,3-c,d)pyrene, ug/L	<5
Isophorone, ug/L	<5
N-Nitrosodimethylamine, ug/L	<5
N-Nitrosodiphenylamine, ug/L	<5
N-Nitrosodi-n-propylamine, ug/L	<5
Nitrobenzene, ug/L	<5
Naphthalene, ug/L	<5
Phenanthrene, ug/L	<5
Phenol, ug/L	<5
Pentachlorophenol, ug/L	<10
Pyrene, ug/L	<5
Pyridine, ug/L	<10
Bis(2-chloroethoxy)methane, ug/L	<5
Bis(2-chloroethyl)ether, ug/L	<5
Bis(2-chloroisopropyl)ether, ug/L	<5
Bis(2-ethylhexyl)phthalate, ug/L	<10
Surrogates **	
2-Fluorobiphenyl Reported, ug/L	23.4
2-Fluorobiphenyl Theo., ug/L	50.0
2-Fluorophenol Reported, ug/L	28.0
2-Fluorophenol Theoretical, ug/L	75.0
2,4,6-Tribromophenol Rep., ug/L	58.6
2,4,6-Tribromophenol Theo., ug/L	75.0

LOG NO: G98-01-569

Received: 29 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-569-7	WDI-MWFR-02-05	29 JAN 98

PARAMETER	01-569-7
Nitrobenzene-d5 Reported, ug/L	27.2
Nitrobenzene-d5 Theoretical, ug/L	50.0
Phenol-d5 Reported, ug/L	23.9
Phenol-d5 Theoretical, ug/L	75.0
Terphenyl-d14 Reported, ug/L	42.6
Terphenyl-d14 Theoretical, ug/L	50.0

LOG NO: G98-01-569

Received: 29 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-569-7	WDI-MWFR-02-05	29 JAN 98

PARAMETER	01-569-7
Volatile Organics (8260A)	
Date Analyzed	02/10/98
Dilution Factor, Times	1
1,1,1-Trichloroethane, ug/L	<0.5
1,1,2,2-Tetrachloroethane, ug/L	<0.5
1,1,2-Trichloroethane, ug/L	<0.5
1,1-Dichloroethane, ug/L	<0.5
1,1-Dichloroethene, ug/L	<0.5
1,2-Dibromoethane, ug/L	<0.5
1,2-Dichloroethane, ug/L	<0.5
1,2-Dichloropropane, ug/L	<0.5
2-Chloroethylvinylether, ug/L	<4
2-Hexanone, ug/L	<5
Acetone, ug/L	<10
Bromodichloromethane, ug/L	<0.5
Bromomethane, ug/L	<0.5
Benzene, ug/L	<0.5
Bromoform, ug/L	<0.5
Carbon Tetrachloride, ug/L	<0.5
Chloroethane, ug/L	<0.5
Chloroform, ug/L	<0.5
Chloromethane, ug/L	<1
Carbon Disulfide, ug/L	<2
Dibromochloromethane, ug/L	<0.5
Methyl ethyl ketone, ug/L	<10
Methyl isobutyl ketone, ug/L	<4
Methylene chloride, ug/L	<2

LOG NO: G98-01-569

Received: 29 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-569-7	WDI-MWFR-02-05	29 JAN 98

PARAMETER	01-569-7
Trichloroethene, ug/L	<0.5
Tetrachloroethene, ug/L	<0.5
Vinyl acetate, ug/L	<5
Vinyl chloride, ug/L	<0.5
cis-1,2-Dichloroethene, ug/L	<0.5
cis-1,3-Dichloropropene, ug/L	<0.5
trans-1,2-Dichloroethene, ug/L	<0.5
trans-1,3-Dichloropropene, ug/L	<0.5
Surrogates **	
4-Bromofluorobenzene Rep., ug/L	43.8
4-Bromofluorobenzene Theo., ug/L	50.0
Toluene-d8 Reported, ug/L	47.7
Toluene-d8 Theo., ug/L	50.0
Dibromofluoromethane Rep., ug/L	46.7
Dibromofluoromethane Theo., ug/L	50.0

LOG NO: G98-01-569

Received: 29 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-569-9	WDI-GMWTB-22-05	29 JAN 98

PARAMETER	01-569-9
Volatile Organics (8260A)	
Date Analyzed	02/11/98
Dilution Factor, Times	1
1,1,1-Trichloroethane, ug/L	<0.5
1,1,2,2-Tetrachloroethane, ug/L	<0.5
1,1,2-Trichloroethane, ug/L	<0.5
1,1-Dichloroethane, ug/L	<0.5
1,1-Dichloroethene, ug/L	<0.5
1,2-Dibromoethane, ug/L	<0.5
1,2-Dichloroethane, ug/L	<0.5
1,2-Dichloropropane, ug/L	<0.5
2-Chloroethylvinylether, ug/L	<4
2-Hexanone, ug/L	<5
Acetone, ug/L	<10
Bromodichloromethane, ug/L	<0.5
Bromomethane, ug/L	<0.5
Benzene, ug/L	<0.5
Bromoform, ug/L	<0.5
Carbon Tetrachloride, ug/L	<0.5
Chloroethane, ug/L	<0.5
Chloroform, ug/L	<0.5
Chloromethane, ug/L	<1
Carbon Disulfide, ug/L	<2
Dibromochloromethane, ug/L	<0.5
Methyl ethyl ketone, ug/L	<10
Methyl isobutyl ketone, ug/L	<4
Methylene chloride, ug/L	<2

LOG NO: G98-01-569

Received: 29 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-569-9	WDI-GMWTB-22-05	29 JAN 98

PARAMETER	01-569-9
Trichloroethene, ug/L	<0.5
Tetrachloroethene, ug/L	<0.5
Vinyl acetate, ug/L	<5
Vinyl chloride, ug/L	<0.5
cis-1,2-Dichloroethene, ug/L	<0.5
cis-1,3-Dichloropropene, ug/L	<0.5
trans-1,2-Dichloroethene, ug/L	<0.5
trans-1,3-Dichloropropene, ug/L	<0.5
Surrogates **	
4-Bromofluorobenzene Rep., ug/L	49.6
4-Bromofluorobenzene Theo., ug/L	50.0
Toluene-d8 Reported, ug/L	50.1
Toluene-d8 Theo., ug/L	50.0
Dibromofluoromethane Rep., ug/L	49.2
Dibromofluoromethane Theo., ug/L	50.0

LOG NO: G98-01-569

Received: 29 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-569-10	WDI-GMW22-05 Unfilter	29 JAN 98
01-569-11	WDI-GMW24-05 Unfilter	29 JAN 98
01-569-12	WDI-GMW11-05 Unfilter	29 JAN 98
01-569-13	WDI-GMW10-05 Unfilter	29 JAN 98
01-569-14	WDI-GMW02-05 Unfilter	29 JAN 98

PARAMETER	01-569-10	01-569-11	01-569-12	01-569-13	01-569-14
Digestion (3005), Date	02/12/98	02/12/98	02/12/98	02/12/98	02/12/98
Furnace Digestion (3020), Date	02/12/98	02/12/98	02/12/98	02/12/98	02/12/98
Arsenic (7060), mg/L	<0.002	<0.002	<0.002	<0.002	<0.002
Antimony (6010), mg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Barium (6010), mg/L	0.052	0.027	0.038	0.049	0.031
Beryllium (6010), mg/L	<0.001	<0.001	<0.001	<0.001	<0.001
Cadmium (7131), mg/L	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium (6010), mg/L	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (6010), mg/L	<0.04	<0.04	<0.04	<0.04	<0.04
Copper (6010), mg/L	<0.02	0.021	0.026	<0.02	<0.02
Lead (7421), mg/L	<0.002	<0.002	<0.002	<0.002	<0.002
Mercury (7470), mg/L	0.0015	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (6010), mg/L	<0.02	<0.02	<0.02	<0.02	<0.02
Nickel (6010), mg/L	<0.04	<0.04	<0.04	<0.04	<0.04
Selenium (7740), mg/L	<0.004	0.026	0.022	0.0077	0.017
Silver (6010), mg/L	0.013	<0.01	0.017	<0.01	<0.01
Thallium (6010), mg/L	<0.07	<0.07	<0.07	<0.07	<0.07
Vanadium (6010), mg/L	<0.04	<0.04	<0.04	<0.04	<0.04
Zinc (6010), mg/L	<0.01	0.011	<0.01	<0.01	<0.01
Aluminum (6010), mg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium (6010), mg/L	250	290	330	200	280
Iron (6010), mg/L	0.14	0.058	0.14	<0.04	<0.04

LOG NO: G98-01-569

Received: 29 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-569-15	WDI-MWFD-02-05 Unfilter	29 JAN 98
01-569-16	WDI-GMW03-05 Unfilter	29 JAN 98

PARAMETER	01-569-15	01-569-16
Digestion (3005), Date	02/12/98	02/12/98
Furnace Digestion (3020), Date	02/12/98	02/12/98
Arsenic (7060), mg/L	<0.002	<0.002
Antimony (6010), mg/L	<0.1	<0.1
Barium (6010), mg/L	0.031	0.032
Beryllium (6010), mg/L	<0.001	<0.001
Cadmium (7131), mg/L	<0.001	<0.001
Chromium (6010), mg/L	<0.01	<0.01
Cobalt (6010), mg/L	<0.04	<0.04
Copper (6010), mg/L	<0.02	<0.02
Lead (7421), mg/L	<0.002	<0.002
Mercury (7470), mg/L	<0.0002	<0.0002
Molybdenum (6010), mg/L	<0.02	<0.02
Nickel (6010), mg/L	<0.04	<0.04
Selenium (7740), mg/L	0.018	0.017
Silver (6010), mg/L	<0.01	<0.01
Thallium (6010), mg/L	<0.07	<0.07
Vanadium (6010), mg/L	<0.04	<0.04
Zinc (6010), mg/L	<0.01	0.011
Aluminum (6010), mg/L	<0.1	<0.1
Calcium (6010), mg/L	290	280
Iron (6010), mg/L	<0.04	0.061

LOG NO: G98-01-569

Received: 29 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

REPORT OF ANALYTICAL RESULTS

Fred Haley, Laboratory Director

The analytical results within this report relate only to the specific compounds and samples investigated and may not necessarily reflect other apparently similar material from the same or a similar location.

This report shall not be reproduced, except in full, without the written approval of VOC. No use of this report for promotional or advertising purposes is permitted without prior written VOC approval.

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
9801569*1	WDI-GMW22-05	DIG,AQ.HCL	02.12.98	3005		98433	7620
		DIG,AQ,GFA	02.12.98	3020		98431	7620
		AS,GFA	02.13.98	7060	534-07	98431	1003
		SB	02.13.98	6010	535-02	98433	8488
		BA	02.13.98	6010	535-02	98433	8488
		BE	02.13.98	6010	535-02	98433	8488
		CD,GFA	02.17.98	7131	534-04	98431	1003
		CR	02.13.98	6010	535-02	98433	8488
		CO	02.13.98	6010	535-02	98433	8488
		CU	02.13.98	6010	535-02	98433	8488
		PB,GFA	02.14.98	7421	534-07	98431	1003
		HG	02.12.98	7470	534-06	98417	8488
		MO	02.13.98	6010	535-02	98433	8488
		NI	02.13.98	6010	535-02	98433	8488
		SE,GFA	02.14.98	7740	534-07	98431	1003
		AG	02.13.98	6010	535-02	98433	8488
		TL	02.13.98	6010	535-02	98433	8488
		V	02.13.98	6010	535-02	98433	8488
		ZN	02.13.98	6010	535-02	98433	8488
		AL	02.13.98	6010	535-02	98433	8488
		CA	02.13.98	6010	535-02	98433	8488
		FE	02.13.98	6010	535-02	98433	8488
		BNA.8270.HSL	02.26.98	8270	537-14	9823	1009
		VOA,8260.WDI	02.10.98	8260A	537-06	986032	1020
9801569*2	WDI-GMW24-05	DIG,AQ.HCL	02.12.98	3005		98433	7620
		DIG,AQ,GFA	02.12.98	3020		98431	7620
		AS,GFA	02.13.98	7060	534-07	98431	1003
		SB	02.13.98	6010	535-02	98433	8488
		BA	02.13.98	6010	535-02	98433	8488
		BE	02.13.98	6010	535-02	98433	8488
		CD,GFA	02.17.98	7131	534-04	98431	1003
		CR	02.13.98	6010	535-02	98433	8488
		CO	02.13.98	6010	535-02	98433	8488
		CU	02.13.98	6010	535-02	98433	8488
		PB,GFA	02.14.98	7421	534-07	98431	1003
		HG	02.12.98	7470	534-06	98417	8488
		MO	02.13.98	6010	535-02	98433	8488
		NI	02.13.98	6010	535-02	98433	8488
		SE,GFA	02.14.98	7740	534-07	98431	1003
		AG	02.13.98	6010	535-02	98433	8488
		TL	02.13.98	6010	535-02	98433	8488
		V	02.13.98	6010	535-02	98433	8488
		ZN	02.13.98	6010	535-02	98433	8488
		AL	02.13.98	6010	535-02	98433	8488

Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.

ID.NO = VOC Analytical employee identification number of analyst.

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
		CA	02.13.98	6010	535-02	98433	8488
		FE	02.13.98	6010	535-02	98433	8488
		BNA.8270.HSL	02.26.98	8270	537-14	9823	1009
		VOA,8260.WDI	02.10.98	8260A	537-06	986032	1020
9801569*3	WDI-GMW11-05	DIG,AQ.HCL	02.12.98	3005		98433	7620
		DIG,AQ,GFA	02.12.98	3020		98431	7620
		AS,GFA	02.13.98	7060	534-07	98431	1003
		SB	02.13.98	6010	535-02	98433	8488
		BA	02.13.98	6010	535-02	98433	8488
		BE	02.13.98	6010	535-02	98433	8488
		CD,GFA	02.17.98	7131	534-04	98431	1003
		CR	02.13.98	6010	535-02	98433	8488
		CO	02.13.98	6010	535-02	98433	8488
		CU	02.13.98	6010	535-02	98433	8488
		PB,GFA	02.14.98	7421	534-07	98431	1003
		HG	02.12.98	7470	534-06	98417	8488
		MO	02.13.98	6010	535-02	98433	8488
		NI	02.13.98	6010	535-02	98433	8488
		SE,GFA	02.14.98	7740	534-07	98431	1003
		AG	02.13.98	6010	535-02	98433	8488
		TL	02.13.98	6010	535-02	98433	8488
		V	02.13.98	6010	535-02	98433	8488
		ZN	02.13.98	6010	535-02	98433	8488
		AL	02.13.98	6010	535-02	98433	8488
		CA	02.13.98	6010	535-02	98433	8488
		FE	02.13.98	6010	535-02	98433	8488
		BNA.8270.HSL	02.26.98	8270	537-14	9823	1009
		VOA,8260.WDI	02.10.98	8260A	537-06	986032	1020
9801569*4	WDI-GMW10-05	DIG,AQ.HCL	02.12.98	3005		98433	7620
		DIG,AQ,GFA	02.12.98	3020		98431	7620
		AS,GFA	02.13.98	7060	534-07	98431	1003
		SB	02.13.98	6010	535-02	98433	8488
		BA	02.13.98	6010	535-02	98433	8488
		BE	02.13.98	6010	535-02	98433	8488
		CD,GFA	02.17.98	7131	534-04	98431	1003
		CR	02.13.98	6010	535-02	98433	8488
		CO	02.13.98	6010	535-02	98433	8488
		CU	02.13.98	6010	535-02	98433	8488
		PB,GFA	02.14.98	7421	534-07	98431	1003
		HG	02.12.98	7470	534-06	98417	8488
		MO	02.13.98	6010	535-02	98433	8488
		NI	02.13.98	6010	535-02	98433	8488
		SE,GFA	02.14.98	7740	534-07	98431	1003
		AG	02.13.98	6010	535-02	98433	8488

Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.

ID.NO = VOC Analytical employee identification number of analyst.

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
		TL	02.13.98	6010	535-02	98433	8488
		V	02.13.98	6010	535-02	98433	8488
		ZN	02.13.98	6010	535-02	98433	8488
		AL	02.13.98	6010	535-02	98433	8488
		CA	02.13.98	6010	535-02	98433	8488
		FE	02.13.98	6010	535-02	98433	8488
		BNA.8270.HSL	02.26.98	8270	537-14	9823	1009
		VOA,8260.WDI	02.10.98	8260A	537-06	986032	1020
9801569*5	WDI-GMW02-05	DIG,AQ.HCL	02.12.98	3005		98433	7620
		DIG,AQ,GFA	02.12.98	3020		98431	7620
		AS,GFA	02.13.98	7060	534-07	98431	1003
		SB	02.13.98	6010	535-02	98433	8488
		BA	02.13.98	6010	535-02	98433	8488
		BE	02.13.98	6010	535-02	98433	8488
		CD,GFA	02.17.98	7131	534-04	98431	1003
		CR	02.13.98	6010	535-02	98433	8488
		CO	02.13.98	6010	535-02	98433	8488
		CU	02.13.98	6010	535-02	98433	8488
		PB,GFA	02.14.98	7421	534-07	98431	1003
		HG	02.12.98	7470	534-06	98417	8488
		MO	02.13.98	6010	535-02	98433	8488
		NI	02.13.98	6010	535-02	98433	8488
		SE,GFA	02.14.98	7740	534-07	98431	1003
		AG	02.13.98	6010	535-02	98433	8488
		TL	02.13.98	6010	535-02	98433	8488
		V	02.13.98	6010	535-02	98433	8488
		ZN	02.13.98	6010	535-02	98433	8488
		AL	02.13.98	6010	535-02	98433	8488
		CA	02.13.98	6010	535-02	98433	8488
		FE	02.13.98	6010	535-02	98433	8488
		BNA.8270.HSL	02.26.98	8270	537-14	9823	1009
		VOA,8260.WDI	02.10.98	8260A	537-06	986032	1020
9801569*6	WDI-MWFD-02-05	DIG,AQ.HCL	02.12.98	3005		98433	7620
		DIG,AQ,GFA	02.12.98	3020		98431	7620
		AS,GFA	02.13.98	7060	534-07	98431	1003
		SB	02.13.98	6010	535-02	98433	8488
		BA	02.13.98	6010	535-02	98433	8488
		BE	02.13.98	6010	535-02	98433	8488
		CD,GFA	02.16.98	7131	534-07	98431	1003
		CR	02.13.98	6010	535-02	98433	8488
		CO	02.13.98	6010	535-02	98433	8488
		CU	02.13.98	6010	535-02	98433	8488
		PB,GFA	02.14.98	7421	534-07	98431	1003
		HG	02.12.98	7470	534-06	98417	8488

Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.

ID.NO = VOC Analytical employee identification number of analyst.

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
		MO	02.13.98	6010	535-02	98433	8488
		NI	02.13.98	6010	535-02	98433	8488
		SE,GFA	02.14.98	7740	534-07	98431	1003
		AG	02.13.98	6010	535-02	98433	8488
		TL	02.13.98	6010	535-02	98433	8488
		V	02.13.98	6010	535-02	98433	8488
		ZN	02.13.98	6010	535-02	98433	8488
		AL	02.13.98	6010	535-02	98433	8488
		CA	02.13.98	6010	535-02	98433	8488
		FE	02.13.98	6010	535-02	98433	8488
		BNA.8270.HSL	02.26.98	8270	537-14	9823	1009
		VOA,8260.WDI	02.10.98	8260A	537-06	986032	1020
9801569*8	WDI-GMW03-05	DIG,AQ.HCL	02.12.98	3005		98433	7620
		DIG,AQ,GFA	02.12.98	3020		98431	7620
		AS,GFA	02.14.98	7060	534-07	98431	1003
		SB	02.13.98	6010	535-02	98433	8488
		BA	02.13.98	6010	535-02	98433	8488
		BE	02.13.98	6010	535-02	98433	8488
		CD,GFA	02.16.98	7131	534-07	98431	1003
		CR	02.13.98	6010	535-02	98433	8488
		CO	02.13.98	6010	535-02	98433	8488
		CU	02.13.98	6010	535-02	98433	8488
		PB,GFA	02.14.98	7421	534-07	98431	1003
		HG	02.12.98	7470	534-06	98417	8488
		MO	02.13.98	6010	535-02	98433	8488
		NI	02.13.98	6010	535-02	98433	8488
		SE,GFA	02.14.98	7740	534-07	98431	1003
		AG	02.13.98	6010	535-02	98433	8488
		TL	02.13.98	6010	535-02	98433	8488
		V	02.13.98	6010	535-02	98433	8488
		ZN	02.13.98	6010	535-02	98433	8488
		AL	02.13.98	6010	535-02	98433	8488
		CA	02.13.98	6010	535-02	98433	8488
		FE	02.13.98	6010	535-02	98433	8488
		BNA.8270.HSL	02.26.98	8270	537-14	9823	1009
		VOA,8260.WDI	02.10.98	8260A	537-06	986032	1020
9801569*7	WDI-MWFR-02-05	DIG,AQ.HCL	02.12.98	3005		98433	7620
		DIG,AQ,GFA	02.12.98	3020		98431	7620
		AS,GFA	02.14.98	7060	534-07	98431	1003
		SB	02.13.98	6010	535-02	98433	8488
		BA	02.13.98	6010	535-02	98433	8488
		BE	02.13.98	6010	535-02	98433	8488
		CD,GFA	02.16.98	7131	534-07	98431	1003
		CR	02.13.98	6010	535-02	98433	8488

Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.

ID.NO = VOC Analytical employee identification number of analyst.

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
		CO	02.13.98	6010	535-02	98433	8488
		CU	02.13.98	6010	535-02	98433	8488
		PB,GFA	02.14.98	7421	534-07	98431	1003
		HG	02.12.98	7470	534-06	98417	8488
		MO	02.13.98	6010	535-02	98433	8488
		NI	02.13.98	6010	535-02	98433	8488
		SE,GFA	02.14.98	7740	534-07	98431	1003
		AG	02.13.98	6010	535-02	98433	8488
		TL	02.13.98	6010	535-02	98433	8488
		V	02.13.98	6010	535-02	98433	8488
		ZN	02.13.98	6010	535-02	98433	8488
		AL	02.13.98	6010	535-02	98433	8488
		CA	02.13.98	6010	535-02	98433	8488
		FE	02.13.98	6010	535-02	98433	8488
		BNA.8270.HSL	02.26.98	8270	537-14	9823	1009
		VOA,8260.WDI	02.10.98	8260A	537-06	986032	1020
9801569*9	WDI-GMWTB-22-05	VOA,8260.WDI	02.11.98	8260A	537-06	986034	1020
9801569*10	WDI-GMW22-05 Unfilter	DIG,AQ.HCL	02.12.98	3005		98433	7620
		DIG,AQ,GFA	02.12.98	3020		98431	7620
		AS,GFA	02.14.98	7060	534-07	98431	1003
		SB	02.13.98	6010	535-02	98433	8488
		BA	02.13.98	6010	535-02	98433	8488
		BE	02.13.98	6010	535-02	98433	8488
		CD,GFA	02.16.98	7131	534-07	98431	1003
		CR	02.13.98	6010	535-02	98433	8488
		CO	02.13.98	6010	535-02	98433	8488
		CU	02.13.98	6010	535-02	98433	8488
		PB,GFA	02.14.98	7421	534-07	98431	1003
		HG	02.12.98	7470	534-06	98417	8488
		MO	02.13.98	6010	535-02	98433	8488
		NI	02.13.98	6010	535-02	98433	8488
		SE,GFA	02.14.98	7740	534-07	98431	1003
		AG	02.13.98	6010	535-02	98433	8488
		TL	02.13.98	6010	535-02	98433	8488
		V	02.13.98	6010	535-02	98433	8488
		ZN	02.13.98	6010	535-02	98433	8488
		AL	02.13.98	6010	535-02	98433	8488
		CA	02.13.98	6010	535-02	98433	8488
		FE	02.13.98	6010	535-02	98433	8488
9801569*11	WDI-GMW24-05 Unfilter	DIG,AQ.HCL	02.12.98	3005		98433	7620
		DIG,AQ,GFA	02.12.98	3020		98431	7620
		AS,GFA	02.14.98	7060	534-07	98431	1003

Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.

ID.NO = VOC Analytical employee identification number of analyst.

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
		SB	02.13.98	6010	535-02	98433	8488
		BA	02.13.98	6010	535-02	98433	8488
		BE	02.13.98	6010	535-02	98433	8488
		CD,GFA	02.16.98	7131	534-07	98431	1003
		CR	02.13.98	6010	535-02	98433	8488
		CO	02.13.98	6010	535-02	98433	8488
		CU	02.13.98	6010	535-02	98433	8488
		PB,GFA	02.14.98	7421	534-07	98431	1003
		HG	02.12.98	7470	534-06	98417	8488
		MO	02.13.98	6010	535-02	98433	8488
		NI	02.13.98	6010	535-02	98433	8488
		SE,GFA	02.14.98	7740	534-07	98431	1003
		AG	02.13.98	6010	535-02	98433	8488
		TL	02.13.98	6010	535-02	98433	8488
		V	02.13.98	6010	535-02	98433	8488
		ZN	02.13.98	6010	535-02	98433	8488
		AL	02.13.98	6010	535-02	98433	8488
		CA	02.13.98	6010	535-02	98433	8488
		FE	02.13.98	6010	535-02	98433	8488
9801569*12	WDI-GMW11-05 Unfilter	DIG,AQ.HCL	02.12.98	3005		98433	7620
		DIG,AQ,GFA	02.12.98	3020		98431	7620
		AS,GFA	02.14.98	7060	534-07	98431	1003
		SB	02.13.98	6010	535-02	98433	8488
		BA	02.13.98	6010	535-02	98433	8488
		BE	02.13.98	6010	535-02	98433	8488
		CD,GFA	02.16.98	7131	534-07	98431	1003
		CR	02.13.98	6010	535-02	98433	8488
		CO	02.13.98	6010	535-02	98433	8488
		CU	02.13.98	6010	535-02	98433	8488
		PB,GFA	02.14.98	7421	534-07	98431	1003
		HG	02.12.98	7470	534-06	98417	8488
		MO	02.13.98	6010	535-02	98433	8488
		NI	02.13.98	6010	535-02	98433	8488
		SE,GFA	02.14.98	7740	534-07	98431	1003
		AG	02.13.98	6010	535-02	98433	8488
		TL	02.13.98	6010	535-02	98433	8488
		V	02.13.98	6010	535-02	98433	8488
		ZN	02.13.98	6010	535-02	98433	8488
		AL	02.13.98	6010	535-02	98433	8488
		CA	02.13.98	6010	535-02	98433	8488
		FE	02.13.98	6010	535-02	98433	8488
9801569*13	WDI-GMW10-05 Unfilter	DIG,AQ.HCL	02.12.98	3005		98433	7620

Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.

ID.NO = VOC Analytical employee identification number of analyst.

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
		DIG,AQ,GFA	02.12.98	3020		98431	7620
		AS,GFA	02.14.98	7060	534-07	98431	1003
		SB	02.13.98	6010	535-02	98433	8488
		BA	02.13.98	6010	535-02	98433	8488
		BE	02.13.98	6010	535-02	98433	8488
		CD,GFA	02.16.98	7131	534-07	98431	1003
		CR	02.13.98	6010	535-02	98433	8488
		CO	02.13.98	6010	535-02	98433	8488
		CU	02.13.98	6010	535-02	98433	8488
		PB,GFA	02.14.98	7421	534-07	98431	1003
		HG	02.12.98	7470	534-06	98417	8488
		MO	02.13.98	6010	535-02	98433	8488
		NI	02.13.98	6010	535-02	98433	8488
		SE,GFA	02.14.98	7740	534-07	98431	1003
		AG	02.13.98	6010	535-02	98433	8488
		TL	02.13.98	6010	535-02	98433	8488
		V	02.13.98	6010	535-02	98433	8488
		ZN	02.13.98	6010	535-02	98433	8488
		AL	02.13.98	6010	535-02	98433	8488
		CA	02.13.98	6010	535-02	98433	8488
		FE	02.13.98	6010	535-02	98433	8488
9801569*14	WDI-GMW02-05 Unfilter	DIG,AQ.HCL	02.12.98	3005		98433	7620
		DIG,AQ,GFA	02.12.98	3020		98431	7620
		AS,GFA	02.14.98	7060	534-07	98431	1003
		SB	02.13.98	6010	535-02	98433	8488
		BA	02.13.98	6010	535-02	98433	8488
		BE	02.13.98	6010	535-02	98433	8488
		CD,GFA	02.16.98	7131	534-07	98431	1003
		CR	02.13.98	6010	535-02	98433	8488
		CO	02.13.98	6010	535-02	98433	8488
		CU	02.13.98	6010	535-02	98433	8488
		PB,GFA	02.14.98	7421	534-07	98431	1003
		HG	02.12.98	7470	534-06	98417	8488
		MO	02.13.98	6010	535-02	98433	8488
		NI	02.13.98	6010	535-02	98433	8488
		SE,GFA	02.14.98	7740	534-07	98431	1003
		AG	02.13.98	6010	535-02	98433	8488
		TL	02.13.98	6010	535-02	98433	8488
		V	02.13.98	6010	535-02	98433	8488
		ZN	02.13.98	6010	535-02	98433	8488
		AL	02.13.98	6010	535-02	98433	8488
		CA	02.13.98	6010	535-02	98433	8488
		FE	02.13.98	6010	535-02	98433	8488

Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.

ID.NO = VOC Analytical employee identification number of analyst.

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
9801569*15	WDI-MWFD-02-05 Unfilter	DIG,AQ.HCL	02.12.98	3005		98433	7620
		DIG,AQ,GFA	02.12.98	3020		98431	7620
		AS,GFA	02.14.98	7060	534-07	98431	1003
		SB	02.13.98	6010	535-02	98433	8488
		BA	02.13.98	6010	535-02	98433	8488
		BE	02.13.98	6010	535-02	98433	8488
		CD,GFA	02.16.98	7131	534-07	98431	1003
		CR	02.13.98	6010	535-02	98433	8488
		CO	02.13.98	6010	535-02	98433	8488
		CU	02.13.98	6010	535-02	98433	8488
		PB,GFA	02.14.98	7421	534-07	98431	1003
		HG	02.12.98	7470	534-06	98417	8488
		MO	02.13.98	6010	535-02	98433	8488
		NI	02.13.98	6010	535-02	98433	8488
		SE,GFA	02.14.98	7740	534-07	98431	1003
		AG	02.13.98	6010	535-02	98433	8488
		TL	02.13.98	6010	535-02	98433	8488
		V	02.13.98	6010	535-02	98433	8488
		ZN	02.13.98	6010	535-02	98433	8488
		AL	02.13.98	6010	535-02	98433	8488
		CA	02.13.98	6010	535-02	98433	8488
		FE	02.13.98	6010	535-02	98433	8488
9801569*16	WDI-GMW03-05 Unfilter	DIG,AQ.HCL	02.12.98	3005		98433	7620
		DIG,AQ,GFA	02.12.98	3020		98431	7620
		AS,GFA	02.14.98	7060	534-07	98431	1003
		SB	02.13.98	6010	535-02	98433	8488
		BA	02.13.98	6010	535-02	98433	8488
		BE	02.13.98	6010	535-02	98433	8488
		CD,GFA	02.16.98	7131	534-07	98431	1003
		CR	02.13.98	6010	535-02	98433	8488
		CO	02.13.98	6010	535-02	98433	8488
		CU	02.13.98	6010	535-02	98433	8488
		PB,GFA	02.14.98	7421	534-07	98431	1003
		HG	02.12.98	7470	534-06	98417	8488
		MO	02.13.98	6010	535-02	98433	8488
		NI	02.13.98	6010	535-02	98433	8488
		SE,GFA	02.14.98	7740	534-07	98431	1003
		AG	02.13.98	6010	535-02	98433	8488
		TL	02.13.98	6010	535-02	98433	8488
		V	02.13.98	6010	535-02	98433	8488
		ZN	02.13.98	6010	535-02	98433	8488
		AL	02.13.98	6010	535-02	98433	8488

Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.

ID.NO = VOC Analytical employee identification number of analyst.

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
		CA	02.13.98	6010	535-02	98433	8488
		FE	02.13.98	6010	535-02	98433	8488

***

Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.

ID.NO = VOC Analytical employee identification number of analyst.

AQUEOUS SAMPLES		METHOD BLANK			LAB CONTROL								MATRIX QC								
					LCS		LCSD					RPD	RPD	MS		MSD				RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: HG*98417 Method: 7470 - Mercury (Liquid), Cold Vapor AA, Manual																						
Mercury	mg/L	0	0.0002	-	120	-	-	-	71	123	-	-	-	115	-	120	-	28	164	2	20	-
Batch: AS,GFA*98431 Method: 7060 - Arsenic, AA, Furnace																						
Arsenic	mg/L	0	0.002	-	95	-	96	-	74	124	1	-	-	82	-	81	-	48	140	1	20	-
Batch: CD,GFA*98431 Method: 7131 - Cadmium, AA, Furnace																						
Cadmium	mg/L	0	0.001	-	94	-	84	-	78	125	12	-	-	89	-	92	-	63	155	4	20	-
Batch: PB,GFA*98431 Method: 7421 - Lead, AA, Furnace																						
Lead	mg/L	0	0.002	-	96	-	96	-	77	124	0	-	-	92	-	96	-	40	156	5	20	-
Batch: SE,GFA*98431 Method: 7740 - Selenium, AA, Furnace																						
Selenium	mg/L	0	0.004	-	94	-	96	-	76	118	2	-	-	63	-	63	-	10	143	1	20	-
Batch: AG*98433 Method: 6010 - ICAP Metals																						
Silver	mg/L	0.004	0.01	-	95	-	97	-	80	120	2	-	-	75	Q	73	Q	80	120	2	20	-
Aluminum	mg/L	-	-	-	91	-	93	-	80	120	3	-	-	97	-	99	-	80	120	2	20	-
Barium	mg/L	-	0	-	94	-	95	-	80	120	1	-	-	93	-	94	-	80	120	0	20	-
Beryllium	mg/L	0	0.001	-	94	-	94	-	80	120	0	-	-	92	-	92	-	80	120	0	20	-
Calcium	mg/L	0	0.5	-	95	-	94	-	80	120	0	-	-	-	NC	-	NC	80	120	-	20	NC
Cobalt	mg/L	-	0	-	93	-	93	-	80	120	0	-	-	90	-	90	-	80	120	0	20	-
Chromium	mg/L	-	0	-	92	-	92	-	80	120	0	-	-	90	-	92	-	80	120	2	20	-
Copper	mg/L	-	0	-	88	-	91	-	80	120	2	-	-	94	-	225	Q	80	120	81	20	Q
Iron	mg/L	-	0	-	98	-	98	-	80	120	0	-	-	96	-	97	-	80	120	1	20	-
Molybdenum	mg/L	0	0.02	-	92	-	91	-	80	120	1	-	-	90	-	90	-	80	120	0	20	-
Nickel	mg/L	0.006	0.04	-	96	-	96	-	80	120	0	-	-	95	-	98	-	80	120	4	20	-
Antimony	mg/L	0	0.1	-	96	-	94	-	80	120	2	-	-	93	-	93	-	80	120	0	20	-
Thallium	mg/L	0.021	0.07	-	94	-	93	-	80	120	1	-	-	93	-	93	-	80	120	0	20	-
Vanadium	mg/L	0	0.04	-	90	-	90	-	80	120	0	-	-	92	-	93	-	80	120	0	20	-
Zinc	mg/L	0	0.01	-	95	-	96	-	80	120	1	-	-	100	-	-	-	80	120	-	-	-

AQUEOUS SAMPLES	------ METHOD BLANK ------				---------- LAB CONTROL ----------									---------- MATRIX QC ----------									
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD	
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	
Batch: VOA,8260*986032 Method: 8260A - Volatile Organics, GCMS																							
1,1,1-Trichloroethane	ug/L	0	0.5	-	124	-	122	-	71	132	2	30	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	0.5	-	75	-	78	-	50	134	4	30	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	0.5	-	96	-	98	-	67	133	2	30	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	0.5	-	90	-	91	-	49	135	1	30	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	0.5	-	101	-	102	-	48	146	1	30	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane	ug/L	0	0.5	-	101	-	101	-	56	142	0	30	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0	0.5	-	128	-	128	-	68	129	0	30	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	0.5	-	88	-	89	-	68	127	2	30	-	-	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	4	-	57	-	61	-	1	214	8	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	ug/L	0	5	-	78	-	76	-	20	149	2	52	-	-	-	-	-	-	-	-	-	-	-
Acetone	ug/L	0	10	-	90	-	78	-	32	176	14	51	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	ug/L	0	0.5	-	120	-	120	-	69	132	0	30	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	ug/L	0	0.5	-	103	-	104	-	55	146	0	30	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	0	0.5	-	97	-	97	-	72	124	0	30	-	-	-	-	-	-	-	-	-	-	-
Bromoform	ug/L	0	0.5	-	107	-	106	-	53	148	1	30	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	ug/L	0	0.5	-	140	-	137	-	70	140	2	30	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	ug/L	0	0.5	-	89	-	89	-	52	137	0	30	-	-	-	-	-	-	-	-	-	-	-
Chloroform	ug/L	0	0.5	-	102	-	102	-	77	128	0	30	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	ug/L	0	1	-	65	-	65	-	37	129	1	30	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	ug/L	0	2	-	90	-	89	-	37	140	1	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/L	0	0.5	-	143	Q	138	-	65	142	3	30	-	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	ug/L	0	10	-	76	-	74	-	5	153	3	50	-	-	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	4	-	84	-	82	-	16	150	2	49	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/L	0	2	-	83	-	84	-	51	139	1	30	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ug/L	0	0.5	-	119	-	115	-	71	135	3	30	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ug/L	0	0.5	-	124	-	119	-	67	145	4	30	-	-	-	-	-	-	-	-	-	-	-
Vinyl acetate	ug/L	0	5	-	49	-	67	-	24	143	32	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	0	0.5	-	79	-	78	-	48	140	2	30	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	0.5	-	92	-	92	-	54	143	0	30	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/L	0	0.5	-	95	-	96	-	66	129	1	30	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	0.5	-	94	-	95	-	48	134	1	30	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/L	0	0.5	-	102	-	102	-	66	130	0	30	-	-	-	-	-	-	-	-	-	-	-
[4-Bromofluorobenzene]	Percent	92	-	-	94	-	94	-	75	125	-	-	-	-	-	-	-	-	-	-	-	-	-
[Toluene-d8]	Percent	95	-	-	98	-	97	-	80	120	-	-	-	-	-	-	-	-	-	-	-	-	-
[Dibromofluoromethane]	Percent	98	-	-	95	-	95	-	75	120	-	-	-	-	-	-	-	-	-	-	-	-	-

AQUEOUS SAMPLES		METHOD BLANK			LAB CONTROL								MATRIX QC									
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA,8260*986034 Method: 8260A - Volatile Organics, GCMS																						
1,1,1-Trichloroethane	ug/L	0	0.5	-	106	-	106	-	71	132	1	30	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	0.5	-	100	-	97	-	50	134	2	30	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	0.5	-	102	-	101	-	67	133	1	30	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	0.5	-	104	-	104	-	49	135	0	30	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	0.5	-	107	-	106	-	48	146	1	30	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane	ug/L	0	0.5	-	100	-	99	-	56	142	2	30	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0	0.5	-	102	-	102	-	68	129	0	30	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	0.5	-	104	-	103	-	68	127	1	30	-	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	4	-	102	-	99	-	1	214	3	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	ug/L	0	5	-	97	-	97	-	20	149	1	52	-	-	-	-	-	-	-	-	-	-
Acetone	ug/L	0	10	-	85	-	90	-	32	176	6	51	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	ug/L	0	0.5	-	103	-	103	-	69	132	1	30	-	-	-	-	-	-	-	-	-	-
Bromomethane	ug/L	0	0.5	-	101	-	103	-	55	146	2	30	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	0	0.5	-	107	-	106	-	72	124	1	30	-	-	-	-	-	-	-	-	-	-
Bromoform	ug/L	0	0.5	-	101	-	99	-	53	148	2	30	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	ug/L	0	0.5	-	107	-	108	-	70	140	1	30	-	-	-	-	-	-	-	-	-	-
Chloroethane	ug/L	0	0.5	-	108	-	107	-	52	137	0	30	-	-	-	-	-	-	-	-	-	-
Chloroform	ug/L	0.40	0.5	-	99	-	99	-	77	128	0	30	-	-	-	-	-	-	-	-	-	-
Chloromethane	ug/L	0	1	-	98	-	99	-	37	129	1	30	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	ug/L	0	2	-	106	-	106	-	37	140	0	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/L	0	0.5	-	103	-	102	-	65	142	1	30	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	ug/L	0	10	-	91	-	90	-	5	153	1	50	-	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	4	-	98	-	95	-	16	150	3	49	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/L	0	2	-	103	-	102	-	51	139	0	30	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ug/L	0	0.5	-	104	-	103	-	71	135	1	30	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ug/L	0	0.5	-	107	-	106	-	67	145	1	30	-	-	-	-	-	-	-	-	-	-
Vinyl acetate	ug/L	0	5	-	104	-	104	-	24	143	0	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	0	0.5	-	100	-	100	-	48	140	0	30	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	0.5	-	105	-	104	-	54	143	2	30	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/L	0	0.5	-	105	-	104	-	66	129	1	30	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	0.5	-	108	-	108	-	48	134	0	30	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/L	0	0.5	-	103	-	102	-	66	130	0	30	-	-	-	-	-	-	-	-	-	-
[4-Bromofluorobenzene]	Percent	99	-	-	99	-	99	-	75	125	-	-	-	-	-	-	-	-	-	-	-	-
[Toluene-d8]	Percent	99	-	-	99	-	100	-	80	120	-	-	-	-	-	-	-	-	-	-	-	-
[Dibromofluoromethane]	Percent	99	-	-	99	-	99	-	75	120	-	-	-	-	-	-	-	-	-	-	-	-

AQUEOUS SAMPLES		METHOD BLANK			LAB CONTROL									MATRIX QC								
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: BNA*9823 Method: 8270 - GC/MS for Semivolatile Organics, Capillary column																						
1,2,4-Trichlorobenzene	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	53	-	44	-	44	120	19	39	-
1,2-Dichlorobenzene	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Diphenylhydrazine	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	51	-	42	-	39	110	19	34	-
2,4,5-Trichlorophenol	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	84	-	66	-	48	139	23	25	-
2,6-Dinitrotoluene	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chlorophenol	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	77	-	63	-	43	110	20	24	-
2-Methyl-4,6-dinitrophenol	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol (o-Cresol)	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Nitroaniline	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Nitrophenol	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenylphenylether	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	83	-	66	-	48	127	23	31	-
4-Chloroaniline	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Chlorophenylphenylether	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Methylphenol (p-Cresol)	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Nitroaniline	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	41	-	31	-	1	132	27	34	-
Acenaphthene	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	81	-	67	-	52	131	19	26	-
Acenaphthylene	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aniline	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzidine	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

AQUEOUS SAMPLES		METHOD BLANK			LAB CONTROL									MATRIX QC								
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: BNA*9823 Method: 8270 - GC/MS for Semivolatile Organics, Capillary column, con't																						
Benzo(k)fluoranthene	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzyl Alcohol	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzoic acid	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butylbenzylphthalate	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octylphthalate	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibutylphthalate	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethylphthalate	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dimethylphthalate	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene °	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-c,d)pyrene	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophorone	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodimethylamine	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	84	-	70	-	33	135	18	25	-
Nitrobenzene	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenol	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	49	-	37	-	5	110	27	30	-
Pentachlorophenol	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	91	-	67	-	15	181	30	39	-
Pyrene	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	104	-	81	-	45	162	25	34	-
Pyridine	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroethoxy)methane	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroethyl)ether	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroisopropyl)ether	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-ethylhexyl)phthalate	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
[2-Fluorobiphenyl]	Percent	-	-	-	-	-	-	-	-	-	-	-	-	70	-	62	-	43	116	-	-	-
[2-Fluorophenol]	Percent	-	-	-	-	-	-	-	-	-	-	-	-	59	-	45	-	21	100	-	-	-
[2,4,6-Tribromophenol]	Percent	-	-	-	-	-	-	-	-	-	-	-	-	86	-	68	-	10	123	-	-	-
[Nitrobenzene-d5]	Percent	-	-	-	-	-	-	-	-	-	-	-	-	77	-	62	-	35	114	-	-	-
[Phenol-d5]	Percent	-	-	-	-	-	-	-	-	-	-	-	-	47	-	33	-	10	94	-	-	-

AQUEOUS SAMPLES		------ METHOD BLANK ------			---------- LAB CONTROL ----------								---------- MATRIX QC ----------							
					LCS		LCSD					RPD	RPD	MS		MSD				RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: BNA*9823 Method: 8270 - GC/MS for Semivolatile Organics, Capillary column, con't																						
[Terphenyl-d14]	Percent	-	-	-	-	-	-	-	-	-	-	-	-	74	-	58	-	33	141	-	-	-

VOC ANALYTICAL, GLENDALE
SUPPLEMENTAL QC REPORT FOR 9801569
DATE PRINTED: 17 MAR 1998

AQUEOUS SAMPLES

Batch: HG*98417 Method: 7470 - Mercury (Liquid), Cold Vapor AA, Manual

		B8021431*1	C8022905*1	.....	N/A	.....	9801569*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Mercury	mg/L	0	0.0048	0.0040	-	-	0.0017	-	0.0040	0.0041	0.0037

Batch: DIG,AQ,GFA*98431 Method: 3020 - Acid Digestion of Aqueous etc.

		(BLANK)	(LCS)	.....	(LCSD)	.....	(MTX QC)	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Furnace Digestion	Date	02/12/98	02/12/98	02/12/98	02/12/98	02/12/98	02/12/98	02/12/98	02/12/98	02/12/98	02/12/98

Batch: AS,GFA*98431 Method: 7060 - Arsenic, AA, Furnace

		B8021550*1	C8023125*1	.....	C8023126*1	.....	9801569*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Arsenic	mg/L	0	0.0474	0.0500	0.0478	0.0500	0 *	-	0.0205	0.0202	0.0250

Batch: CD,GFA*98431 Method: 7131 - Cadmium, AA, Furnace

		B8021551*1	C8023127*1	.....	C8023128*1	.....	9801569*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Cadmium	mg/L	0	0.0188	0.0200	0.0167	0.0200	0	-	0.0222	0.0231	0.0250

Batch: PB,GFA*98431 Method: 7421 - Lead, AA, Furnace

		B8021552*1	C8023129*1	.....	C8023130*1	.....	9801569*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Lead	mg/L	0	0.0479	0.0500	0.0480	0.0500	0.0010	-	0.0183	0.0192	0.0200

Batch: SE,GFA*98431 Method: 7740 - Selenium, AA, Furnace

		B8021553*1	C8023131*1	.....	C8023132*1	.....	9801569*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Selenium	mg/L	0	0.0938	0.100	0.0961	0.100	0.0008	-	0.0625	0.0630	0.100

Batch: DIG,AQ*98433 Method: 3005 - Total Recoverable Metals Digestion

		(BLANK)	(LCS)	.....	(LCSD)	.....	(MTX QC)	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Digestion	Date	02/12/98	02/12/98	02/12/98	02/12/98	02/12/98	02/12/98	02/12/98	02/12/98	02/12/98	02/12/98

AQUEOUS SAMPLES

Batch: AG*98433 Method: 6010 - ICAP Metals

		B8021584*1	C8023190*1	.....	C8023191*1	.....	9801569*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Silver	mg/L	0.004	0.190	0.200	0.193	0.200	0.008	-	0.375	0.366	0.500

Batch: AL*98433 Method: 6010 - ICAP Metals

		N/A	C8023192*1	.....	C8023193*1	.....	9801569*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Aluminum	mg/L	-	0.908	1.00	0.933	1.00	0	-	1.46	1.49	1.50

Batch: BA*98433 Method: 6010 - ICAP Metals

		B8021586*1	C8023194*1	.....	C8023195*1	.....	9801569*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Barium	mg/L	-	0.936	1.00	0.947	1.00	0.051	-	0.518	0.519	0.551

Batch: BE*98433 Method: 6010 - ICAP Metals

		B8021587*1	C8023196*1	.....	C8023197*1	.....	9801569*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Beryllium	mg/L	0	0.374	0.400	0.374	0.400	0.0003	-	0.0921	0.0918	0.100

Batch: CA*98433 Method: 6010 - ICAP Metals

		B8021588*1	C8023198*1	.....	C8023199*1	.....	9801569*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Calcium	mg/L	0	47.3	50.0	47.2	50.0	260	-	277	288	307

Batch: CO*98433 Method: 6010 - ICAP Metals

		B8021589*1	C8023200*1	.....	C8023201*1	.....	9801569*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Cobalt	mg/L	-	0.926	1.00	0.927	1.00	0	-	0.451	0.451	0.500

Batch: CR*98433 Method: 6010 - ICAP Metals

		B8021590*1	C8023202*1	.....	C8023203*1	.....	9801569*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Chromium	mg/L	-	0.916	1.00	0.917	1.00	0.002	-	0.180	0.183	0.200

AQUEOUS SAMPLES

Batch: CU*98433 Method: 6010 - ICAP Metals

		B8021591*1	C8023204*1		C8023205*1		9801569*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Copper	mg/L	-	0.884	1.00	0.906	1.00	0.012	-	0.471	1.11	0.500

Batch: FE*98433 Method: 6010 - ICAP Metals

		B8021592*1	C8023206*1		C8023207*1		9801569*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Iron	mg/L	-	0.980	1.00	0.982	1.00	0.013	-	0.962	0.972	1.00

Batch: MO*98433 Method: 6010 - ICAP Metals

		B8021593*1	C8023208*1		C8023209*1		9801569*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Molybdenum	mg/L	0	0.916	1.00	0.911	1.00	0.006	-	2.71	2.71	3.00

Batch: NI*98433 Method: 6010 - ICAP Metals

		B8021594*1	C8023210*1		C8023211*1		9801569*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Nickel	mg/L	0.006	0.961	1.00	0.963	1.00	0.021	-	0.474	0.492	0.500

Batch: SB*98433 Method: 6010 - ICAP Metals

		B8021595*1	C8023212*1		C8023213*1		9801569*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Antimony	mg/L	0	0.955	1.00	0.940	1.00	0.002	-	3.25	3.26	3.50

Batch: TL*98433 Method: 6010 - ICAP Metals

		B8021596*1	C8023214*1		C8023215*1		9801569*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Thallium	mg/L	0.021	0.938	1.00	0.932	1.00	0	-	2.79	2.78	3.00

Batch: V*98433 Method: 6010 - ICAP Metals

		B8021597*1	C8023216*1		C8023217*1		9801569*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Vanadium	mg/L	0	0.897	1.00	0.901	1.00	0.005	-	0.462	0.464	0.500

VOC ANALYTICAL, GLENDALE
SUPPLEMENTAL QC REPORT FOR 9801569
DATE PRINTED: 17 MAR 1998

AQUEOUS SAMPLES

Batch: ZN*98433 Method: 6010 - ICAP Metals

		B8021598*1	C8023218*1		C8023219*1		9801569*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Zinc	mg/L	0	0.945	1.00	0.957	1.00	0	-	0.501	-	0.500

AQUEOUS SAMPLES

Batch: VOA,8260*986032 Method: 8260A - Volatile Organics, GCMS

		B8021347*1	C8022741*1		C8022742*1		N/A	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Date Analyzed	Date	02/10/98	02/10/98	02/10/98	02/10/98	02/10/98	-	-	-	-	-
Dilution Factor	Times	1	1	1	1	1	-	-	-	-	-
1,1,1-Trichloroethane	ug/L	0	62.0	50.0	61.0	50.0	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	37.5	50.0	38.9	50.0	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	47.8	50.0	48.9	50.0	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	44.9	50.0	45.3	50.0	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	50.4	50.0	50.8	50.0	-	-	-	-	-
1,2-Dibromoethane	ug/L	0	50.6	50.0	50.5	50.0	-	-	-	-	-
1,2-Dichloroethane	ug/L	0	63.8	50.0	64.0	50.0	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	43.8	50.0	44.6	50.0	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	56.5	100	61.3	100	-	-	-	-	-
2-Hexanone	ug/L	0	77.6	100	76.0	100	-	-	-	-	-
Acetone	ug/L	0	90.4	100	78.4	100	-	-	-	-	-
Bromodichloromethane	ug/L	0	60.0	50.0	60.0	50.0	-	-	-	-	-
Bromomethane	ug/L	0	51.7	50.0	51.8	50.0	-	-	-	-	-
Benzene	ug/L	0	48.7	50.0	48.6	50.0	-	-	-	-	-
Bromoform	ug/L	0	53.7	50.0	53.0	50.0	-	-	-	-	-
Carbon Tetrachloride	ug/L	0	70.1	50.0	68.6	50.0	-	-	-	-	-
Chloroethane	ug/L	0	44.5	50.0	44.4	50.0	-	-	-	-	-
Chloroform	ug/L	0	51.0	50.0	50.8	50.0	-	-	-	-	-
Chloromethane	ug/L	0	32.7	50.0	32.4	50.0	-	-	-	-	-
Carbon Disulfide	ug/L	0	90.3	100	89.2	100	-	-	-	-	-
Dibromochloromethane	ug/L	0	71.5	50.0	69.1	50.0	-	-	-	-	-
Methyl ethyl ketone	ug/L	0	76.4	100	74.1	100	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	83.8	100	82.2	100	-	-	-	-	-
Methylene chloride	ug/L	0	41.6	50.0	42.2	50.0	-	-	-	-	-
Trichloroethene	ug/L	0	59.4	50.0	57.7	50.0	-	-	-	-	-
Tetrachloroethene	ug/L	0	62.0	50.0	59.5	50.0	-	-	-	-	-
Vinyl acetate	ug/L	0	48.8	100	67.2	100	-	-	-	-	-
Vinyl chloride	ug/L	0	39.6	50.0	38.9	50.0	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	45.8	50.0	45.9	50.0	-	-	-	-	-
cis-1,3-Dichloropropene	ug/L	0	47.6	50.0	48.1	50.0	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	47.2	50.0	47.5	50.0	-	-	-	-	-
trans-1,3-Dichloropropene	ug/L	0	50.8	50.0	50.9	50.0	-	-	-	-	-
4-Bromofluorobenzene Rep.	ug/L	45.8	47.2	50.0	46.9	50.0	-	-	-	-	-
4-Bromofluorobenzene Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-
Toluene-d8 Reported	ug/L	47.4	48.8	50.0	48.3	50.0	-	-	-	-	-

AQUEOUS SAMPLES

Batch: VOA,8260*986032 Method: 8260A - Volatile Organics, GCMS, con't

		B8021347*1	C8022741*1		C8022742*1		N/A	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Toluene-d8 Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-
Dibromofluoromethane Rep.	ug/L	49.0	47.3	50.0	47.3	50.0	-	-	-	-	-
Dibromofluoromethane Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-

AQUEOUS SAMPLES

Batch: VOA,8260*986034 Method: 8260A - Volatile Organics, GCMS

		B8021603*1	C8023226*1		C8023227*1		N/A	.....	.....	.....	
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Date Analyzed	Date	02/11/98	02/11/98	02/11/98	02/11/98	02/11/98	-	-	-	-	-
Dilution Factor	Times	1	1	1	1	1	-	-	-	-	-
1,1,1-Trichloroethane	ug/L	0	52.8	50.0	53.1	50.0	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	49.8	50.0	48.7	50.0	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	51.2	50.0	50.5	50.0	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	52.0	50.0	52.2	50.0	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	53.3	50.0	52.9	50.0	-	-	-	-	-
1,2-Dibromoethane	ug/L	0	50.2	50.0	49.3	50.0	-	-	-	-	-
1,2-Dichloroethane	ug/L	0	51.2	50.0	51.0	50.0	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	52.0	50.0	51.4	50.0	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	102	100	99.4	100	-	-	-	-	-
2-Hexanone	ug/L	0	97.0	100	96.5	100	-	-	-	-	-
Acetone	ug/L	0	84.9	100	90.3	100	-	-	-	-	-
Bromodichloromethane	ug/L	0	51.7	50.0	51.3	50.0	-	-	-	-	-
Bromomethane	ug/L	0	50.6	50.0	51.7	50.0	-	-	-	-	-
Benzene	ug/L	0	53.6	50.0	52.9	50.0	-	-	-	-	-
Bromoform	ug/L	0	50.7	50.0	49.7	50.0	-	-	-	-	-
Carbon Tetrachloride	ug/L	0	53.3	50.0	54.1	50.0	-	-	-	-	-
Chloroethane	ug/L	0	53.8	50.0	53.7	50.0	-	-	-	-	-
Chloroform	ug/L	0.40	49.6	50.0	49.7	50.0	-	-	-	-	-
Chloromethane	ug/L	0	49.0	50.0	49.5	50.0	-	-	-	-	-
Carbon Disulfide	ug/L	0	106	100	106	100	-	-	-	-	-
Dibromochloromethane	ug/L	0	51.7	50.0	51.1	50.0	-	-	-	-	-
Methyl ethyl ketone	ug/L	0	91.4	100	90.4	100	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	98.3	100	95.1	100	-	-	-	-	-
Methylene chloride	ug/L	0	51.4	50.0	51.2	50.0	-	-	-	-	-
Trichloroethene	ug/L	0	51.9	50.0	51.6	50.0	-	-	-	-	-
Tetrachloroethene	ug/L	0	53.4	50.0	53.1	50.0	-	-	-	-	-
Vinyl acetate	ug/L	0	104	100	104	100	-	-	-	-	-
Vinyl chloride	ug/L	0	50.2	50.0	50.2	50.0	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	52.6	50.0	51.8	50.0	-	-	-	-	-
cis-1,3-Dichloropropene	ug/L	0	52.6	50.0	52.1	50.0	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	54.0	50.0	54.2	50.0	-	-	-	-	-
trans-1,3-Dichloropropene	ug/L	0	51.4	50.0	51.2	50.0	-	-	-	-	-
4-Bromofluorobenzene Rep.	ug/L	49.3	49.3	50.0	49.6	50.0	-	-	-	-	-
4-Bromofluorobenzene Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-
Toluene-d8 Reported	ug/L	49.7	49.7	50.0	50.1	50.0	-	-	-	-	-

AQUEOUS SAMPLES

Batch: VOA,8260*986034 Method: 8260A - Volatile Organics, GCMS, con't

		B8021603*1	C8023226*1		C8023227*1		N/A	.....	.....	.....	
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Toluene-d8 Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-
Dibromofluoromethane Rep.	ug/L	49.3	49.6	50.0	49.4	50.0	-	-	-	-	-
Dibromofluoromethane Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-

AQUEOUS SAMPLES

Batch: BNA*9823 Method: 8270 - GC/MS for Semivolatile Organics, Capillary column

		N/A	N/A		N/A		9801569*1				
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Date Analyzed	Date	-	-	-	-	-	02/26/98	-	02/26/98	02/26/98	02/26/98
Date Extracted	Date	-	-	-	-	-	02/05/98	-	02/05/98	02/05/98	02/05/98
Dilution Factor	Times	-	-	-	-	-	1	-	1	1	1
1,2,4-Trichlorobenzene	ug/L	-	-	-	-	-	0	-	26.5	22.0	50.0
1,2-Dichlorobenzene	ug/L	-	-	-	-	-	0	-	-	-	-
1,2-Diphenylhydrazine	ug/L	-	-	-	-	-	0	-	-	-	-
1,3-Dichlorobenzene	ug/L	-	-	-	-	-	0	-	-	-	-
1,4-Dichlorobenzene	ug/L	-	-	-	-	-	0	-	25.4	20.9	50.0
2,4,5-Trichlorophenol	ug/L	-	-	-	-	-	0	-	-	-	-
2,4,6-Trichlorophenol	ug/L	-	-	-	-	-	0	-	-	-	-
2,4-Dichlorophenol	ug/L	-	-	-	-	-	0	-	-	-	-
2,4-Dimethylphenol	ug/L	-	-	-	-	-	0	-	-	-	-
2,4-Dinitrophenol	ug/L	-	-	-	-	-	0	-	-	-	-
2,4-Dinitrotoluene	ug/L	-	-	-	-	-	0	-	41.9	33.1	50.0
2,6-Dinitrotoluene	ug/L	-	-	-	-	-	0	-	-	-	-
2-Chloronaphthalene	ug/L	-	-	-	-	-	0	-	-	-	-
2-Chlorophenol	ug/L	-	-	-	-	-	0	-	57.5	47.1	75.0
2-Methyl-4,6-dinitrophenol	ug/L	-	-	-	-	-	0	-	-	-	-
2-Methylnaphthalene	ug/L	-	-	-	-	-	0	-	-	-	-
2-Methylphenol (o-Cresol)	ug/L	-	-	-	-	-	0	-	-	-	-
2-Nitroaniline	ug/L	-	-	-	-	-	0	-	-	-	-
2-Nitrophenol	ug/L	-	-	-	-	-	0	-	-	-	-
3,3'-Dichlorobenzidine	ug/L	-	-	-	-	-	0	-	-	-	-
3-Nitroaniline	ug/L	-	-	-	-	-	0	-	-	-	-
4-Bromophenylphenylether	ug/L	-	-	-	-	-	0	-	-	-	-
4-Chloro-3-methylphenol	ug/L	-	-	-	-	-	0	-	62.2	49.4	75.0
4-Chloroaniline	ug/L	-	-	-	-	-	0	-	-	-	-
4-Chlorophenylphenylether	ug/L	-	-	-	-	-	0	-	-	-	-
4-Methylphenol (p-Cresol)	ug/L	-	-	-	-	-	0	-	-	-	-
4-Nitroaniline	ug/L	-	-	-	-	-	0	-	-	-	-
4-Nitrophenol	ug/L	-	-	-	-	-	0	-	30.6	23.4	75.0
Acenaphthene	ug/L	-	-	-	-	-	0	-	40.5	33.4	50.0
Acenaphthylene	ug/L	-	-	-	-	-	0	-	-	-	-
Aniline	ug/L	-	-	-	-	-	0	-	-	-	-
Anthracene	ug/L	-	-	-	-	-	0	-	-	-	-
Benzidine	ug/L	-	-	-	-	-	0	-	-	-	-
Benzo(a)anthracene	ug/L	-	-	-	-	-	0	-	-	-	-

AQUEOUS SAMPLES

Batch: BNA*9823 Method: 8270 - GC/MS for Semivolatile Organics, Capillary column, con't

		N/A	N/A		N/A		9801569*1				
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Benzo(a)pyrene	ug/L	-	-	-	-	-	0	-	-	-	-
Benzo(b)fluoranthene	ug/L	-	-	-	-	-	0	-	-	-	-
Benzo(g,h,i)perylene	ug/L	-	-	-	-	-	0	-	-	-	-
Benzo(k)fluoranthene	ug/L	-	-	-	-	-	0	-	-	-	-
Benzyl Alcohol	ug/L	-	-	-	-	-	0	-	-	-	-
Benzoic acid	ug/L	-	-	-	-	-	0	-	-	-	-
Butylbenzylphthalate	ug/L	-	-	-	-	-	0	-	-	-	-
Chrysene	ug/L	-	-	-	-	-	0	-	-	-	-
Di-n-octylphthalate	ug/L	-	-	-	-	-	0	-	-	-	-
Dibenzo(a,h)anthracene	ug/L	-	-	-	-	-	0	-	-	-	-
Dibenzofuran	ug/L	-	-	-	-	-	0	-	-	-	-
Dibutylphthalate	ug/L	-	-	-	-	-	4.4	-	-	-	-
Diethylphthalate	ug/L	-	-	-	-	-	0	-	-	-	-
Dimethylphthalate	ug/L	-	-	-	-	-	0	-	-	-	-
Fluoranthene	ug/L	-	-	-	-	-	0	-	-	-	-
Fluorene	ug/L	-	-	-	-	-	0	-	-	-	-
Hexachlorobenzene	ug/L	-	-	-	-	-	0	-	-	-	-
Hexachlorobutadiene	ug/L	-	-	-	-	-	0	-	-	-	-
Hexachlorocyclopentadiene	ug/L	-	-	-	-	-	0	-	-	-	-
Hexachloroethane	ug/L	-	-	-	-	-	0	-	-	-	-
Indeno(1,2,3-c,d)pyrene	ug/L	-	-	-	-	-	0	-	-	-	-
Isophorone	ug/L	-	-	-	-	-	0	-	-	-	-
N-Nitrosodimethylamine	ug/L	-	-	-	-	-	0	-	-	-	-
N-Nitrosodiphenylamine	ug/L	-	-	-	-	-	0	-	-	-	-
N-Nitrosodi-n-propylamine	ug/L	-	-	-	-	-	0	-	41.9	35.0	50.0
Nitrobenzene	ug/L	-	-	-	-	-	0	-	-	-	-
Naphthalene	ug/L	-	-	-	-	-	0	-	-	-	-
Phenanthrene	ug/L	-	-	-	-	-	0	-	-	-	-
Phenol	ug/L	-	-	-	-	-	0	-	36.8	28.0	75.0
Pentachlorophenol	ug/L	-	-	-	-	-	0	-	68.2	50.6	75.0
Pyrene	ug/L	-	-	-	-	-	0	-	52.1	40.6	50.0
Pyridine	ug/L	-	-	-	-	-	0	-	-	-	-
Bis(2-chloroethoxy)methane	ug/L	-	-	-	-	-	0	-	-	-	-
Bis(2-chloroethyl)ether	ug/L	-	-	-	-	-	0	-	-	-	-
Bis(2-chloroisopropyl)ether	ug/L	-	-	-	-	-	0	-	-	-	-
Bis(2-ethylhexyl)phthalate	ug/L	-	-	-	-	-	2.2	-	-	-	-
2-Fluorobiphenyl Reported	ug/L	-	-	-	-	-	34.4	-	34.8	31.2	50.0

AQUEOUS SAMPLES

Batch: BNA*9823 Method: 8270 - GC/MS for Semivolatile Organics, Capillary column, con't

		N/A	N/A		N/A		9801569*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
2-Fluorobiphenyl Theo.	ug/L	-	-	-	-	-	50.0	-	50.0	50.0	50.0
2-Fluorophenol Reported	ug/L	-	-	-	-	-	38.2	-	44.3	33.7	75.0
2-Fluorophenol Theoretical	ug/L	-	-	-	-	-	75.0	-	75.0	75.0	75.0
2,4,6-Tribromophenol Rep.	ug/L	-	-	-	-	-	59.6	-	64.5	51.2	75.0
2,4,6-Tribromophenol Theo.	ug/L	-	-	-	-	-	75.0	-	75.0	75.0	75.0
Nitrobenzene-d5 Reported	ug/L	-	-	-	-	-	35.5	-	38.3	30.8	50.0
Nitrobenzene-d5 Theoretical	ug/L	-	-	-	-	-	50.0	-	50.0	50.0	50.0
Phenol-d5 Reported	ug/L	-	-	-	-	-	31.2	-	35.6	25.0	75.0
Phenol-d5 Theoretical	ug/L	-	-	-	-	-	75.0	-	75.0	75.0	75.0
Terphenyl-d14 Reported	ug/L	-	-	-	-	-	36.7	-	36.8	28.9	50.0
Terphenyl-d14 Theoretical	ug/L	-	-	-	-	-	50.0	-	50.0	50.0	50.0

: SURROGATE RECOVERIES :
: BC ANALYTICAL : GLEN LAB : 06:36:08 17 MAR 1998 - P. 1 :

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
9801569*1							
8270	2-Fluorophenol	9823	02/26/98	38.2	75.0	51	
	Phenol-d5	9823	02/26/98	31.2	75.0	42	
	Nitrobenzene-d5	9823	02/26/98	35.5	50.0	71	
	2-Fluorobiphenyl	9823	02/26/98	34.4	50.0	69	
	2,4,6-Tribromophenol Rep.	9823	02/26/98	59.6	75.0	79	
	Terphenyl-d14	9823	02/26/98	36.7	50.0	73	
8260A	Toluene-d8	986032	02/10/98	47.3	50.0	95	
	4-Bromofluorobenzene Rep.	986032	02/10/98	44.3	50.0	89	
	Dibromofluoromethane Rep.	986032	02/10/98	46.7	50.0	93	
9801569*2							
8270	2-Fluorophenol	9823	02/26/98	41.2	75.0	55	
	Phenol-d5	9823	02/26/98	32.1	75.0	43	
	Nitrobenzene-d5	9823	02/26/98	40.4	50.0	81	
	2-Fluorobiphenyl	9823	02/26/98	40.4	50.0	81	
	2,4,6-Tribromophenol Rep.	9823	02/26/98	65.1	75.0	87	
	Terphenyl-d14	9823	02/26/98	38.6	50.0	77	
8260A	Toluene-d8	986032	02/10/98	46.7	50.0	93	
	4-Bromofluorobenzene Rep.	986032	02/10/98	44.4	50.0	89	
	Dibromofluoromethane Rep.	986032	02/10/98	47.0	50.0	94	
9801569*3							
8270	2-Fluorophenol	9823	02/26/98	39.8	75.0	53	
	Phenol-d5	9823	02/26/98	30.5	75.0	41	
	Nitrobenzene-d5	9823	02/26/98	39.0	50.0	78	
	2-Fluorobiphenyl	9823	02/26/98	37.3	50.0	75	
	2,4,6-Tribromophenol Rep.	9823	02/26/98	64.7	75.0	86	
	Terphenyl-d14	9823	02/26/98	39.2	50.0	78	
8260A	Toluene-d8	986032	02/10/98	46.5	50.0	93	
	4-Bromofluorobenzene Rep.	986032	02/10/98	43.1	50.0	86	
	Dibromofluoromethane Rep.	986032	02/10/98	45.6	50.0	91	
9801569*4							
8270	2-Fluorophenol	9823	02/26/98	34.9	75.0	47	
	Phenol-d5	9823	02/26/98	27.8	75.0	37	
	Nitrobenzene-d5	9823	02/26/98	36.7	50.0	73	
	2-Fluorobiphenyl	9823	02/26/98	31.7	50.0	63	
	2,4,6-Tribromophenol Rep.	9823	02/26/98	65.5	75.0	87	
	Terphenyl-d14	9823	02/26/98	36.2	50.0	72	
8260A	Toluene-d8	986032	02/10/98	46.8	50.0	94	
	4-Bromofluorobenzene Rep.	986032	02/10/98	42.7	50.0	85	
	Dibromofluoromethane Rep.	986032	02/10/98	46.1	50.0	92	
9801569*5							
8270	2-Fluorophenol	9823	02/26/98	38.5	75.0	51	
	Phenol-d5	9823	02/26/98	31.4	75.0	42	
	Nitrobenzene-d5	9823	02/26/98	36.8	50.0	74	
	2-Fluorobiphenyl	9823	02/26/98	34.1	50.0	68	
	2,4,6-Tribromophenol Rep.	9823	02/26/98	61.1	75.0	81	
	Terphenyl-d14	9823	02/26/98	38.4	50.0	77	

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
8260A	Toluene-d8	986032	02/10/98	46.5	50.0	93	
	4-Bromofluorobenzene Rep.	986032	02/10/98	42.7	50.0	85	
	Dibromofluoromethane Rep.	986032	02/10/98	46.7	50.0	93	
9801569*6							
8270	2-Fluorophenol	9823	02/26/98	35.9	75.0	48	
	Phenol-d5	9823	02/26/98	28.0	75.0	37	
	Nitrobenzene-d5	9823	02/26/98	35.0	50.0	70	
	2-Fluorobiphenyl	9823	02/26/98	31.7	50.0	63	
	2,4,6-Tribromophenol Rep.	9823	02/26/98	58.2	75.0	78	
	Terphenyl-d14	9823	02/26/98	36.7	50.0	73	
8260A	Toluene-d8	986032	02/10/98	47.7	50.0	95	
	4-Bromofluorobenzene Rep.	986032	02/10/98	43.4	50.0	87	
	Dibromofluoromethane Rep.	986032	02/10/98	47.2	50.0	94	
9801569*7							
8270	2-Fluorophenol	9823	02/26/98	28.0	75.0	37	
	Phenol-d5	9823	02/26/98	23.9	75.0	32	
	Nitrobenzene-d5	9823	02/26/98	27.2	50.0	54	
	2-Fluorobiphenyl	9823	02/26/98	23.4	50.0	47	
	2,4,6-Tribromophenol Rep.	9823	02/26/98	58.6	75.0	78	
	Terphenyl-d14	9823	02/26/98	42.6	50.0	85	
8260A	Toluene-d8	986032	02/10/98	47.7	50.0	95	
	4-Bromofluorobenzene Rep.	986032	02/10/98	43.8	50.0	88	
	Dibromofluoromethane Rep.	986032	02/10/98	46.7	50.0	93	
9801569*8							
8270	2-Fluorophenol	9823	02/26/98	39.2	75.0	52	
	Phenol-d5	9823	02/26/98	30.6	75.0	41	
	Nitrobenzene-d5	9823	02/26/98	35.1	50.0	70	
	2-Fluorobiphenyl	9823	02/26/98	35.0	50.0	70	
	2,4,6-Tribromophenol Rep.	9823	02/26/98	58.7	75.0	78	
	Terphenyl-d14	9823	02/26/98	37.0	50.0	74	
8260A	Toluene-d8	986032	02/10/98	47.7	50.0	95	
	4-Bromofluorobenzene Rep.	986032	02/10/98	43.9	50.0	88	
	Dibromofluoromethane Rep.	986032	02/10/98	46.4	50.0	93	
9801569*9							
8260A	Toluene-d8	986034	02/11/98	50.1	50.0	100	
	4-Bromofluorobenzene Rep.	986034	02/11/98	49.6	50.0	99	
	Dibromofluoromethane Rep.	986034	02/11/98	49.2	50.0	98	

: SURROGATE RECOVERIES :
: BC ANALYTICAL : GLEN LAB : 06:36:12 17 MAR 1998 - P. 1 :

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
9801569*1*R1							
8270	2-Fluorophenol	9823	02/26/98	38.2	75.0	51	
	Phenol-d5	9823	02/26/98	31.2	75.0	42	
	Nitrobenzene-d5	9823	02/26/98	35.5	50.0	71	
	2-Fluorobiphenyl	9823	02/26/98	34.4	50.0	69	
	2,4,6-Tribromophenol Rep.	9823	02/26/98	59.6	75.0	79	
	Terphenyl-d14	9823	02/26/98	36.7	50.0	73	
9801569*1*S1							
8270	2-Fluorophenol	9823	02/26/98	44.3	75.0	59	
	Phenol-d5	9823	02/26/98	35.6	75.0	47	
	Nitrobenzene-d5	9823	02/26/98	38.3	50.0	77	
	2-Fluorobiphenyl	9823	02/26/98	34.8	50.0	70	
	2,4,6-Tribromophenol Rep.	9823	02/26/98	64.5	75.0	86	
	Terphenyl-d14	9823	02/26/98	36.8	50.0	74	
9801569*1*S2							
8270	2-Fluorophenol	9823	02/26/98	33.7	75.0	45	
	Phenol-d5	9823	02/26/98	25.0	75.0	33	
	Nitrobenzene-d5	9823	02/26/98	30.8	50.0	62	
	2-Fluorobiphenyl	9823	02/26/98	31.2	50.0	62	
	2,4,6-Tribromophenol Rep.	9823	02/26/98	51.2	75.0	68	
	Terphenyl-d14	9823	02/26/98	28.9	50.0	58	
9801569*1*T							
8270	2-Fluorophenol	9823	02/26/98	75.0	75.0	100	
	Phenol-d5	9823	02/26/98	75.0	75.0	100	
	Nitrobenzene-d5	9823	02/26/98	50.0	50.0	100	
	2-Fluorobiphenyl	9823	02/26/98	50.0	50.0	100	
	2,4,6-Tribromophenol Rep.	9823	02/26/98	75.0	75.0	100	
	Terphenyl-d14	9823	02/26/98	50.0	50.0	100	
B8021347*1*MB							
8260A	1,2-Dichloroethane-d4 Rep	986032	02/10/98	61.4	50.0	123	
	Dibromofluoromethane Rep.	986032	02/10/98	49.0	50.0	98	
	Toluene-d8	986032	02/10/98	47.4	50.0	95	
	4-Bromofluorobenzene Rep.	986032	02/10/98	45.8	50.0	92	
B8021603*1*MB							
8260A	1,2-Dichloroethane-d4 Rep	986034	02/11/98	50.6	50.0	101	
	Dibromofluoromethane Rep.	986034	02/11/98	49.3	50.0	99	
	Toluene-d8	986034	02/11/98	49.7	50.0	99	
	4-Bromofluorobenzene Rep.	986034	02/11/98	49.3	50.0	99	
C8022741*1*LC							
8260A	1,2-Dichloroethane-d4 Rep	986032	02/10/98	62.3	50.0	125	
	Dibromofluoromethane Rep.	986032	02/10/98	47.3	50.0	95	
	Toluene-d8	986032	02/10/98	48.8	50.0	98	
	4-Bromofluorobenzene Rep.	986032	02/10/98	47.2	50.0	94	

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
C8022741*1*LT							
8260A	1,2-Dichloroethane-d4 Rep	986032	02/10/98	50.0	50.0	100	
	Dibromofluoromethane Rep.	986032	02/10/98	50.0	50.0	100	
	Toluene-d8	986032	02/10/98	50.0	50.0	100	
	4-Bromofluorobenzene Rep.	986032	02/10/98	50.0	50.0	100	
C8022742*1*LC							
8260A	1,2-Dichloroethane-d4 Rep	986032	02/10/98	61.5	50.0	123	
	Dibromofluoromethane Rep.	986032	02/10/98	47.3	50.0	95	
	Toluene-d8	986032	02/10/98	48.3	50.0	97	
	4-Bromofluorobenzene Rep.	986032	02/10/98	46.9	50.0	94	
C8022742*1*LT							
8260A	1,2-Dichloroethane-d4 Rep	986032	02/10/98	50.0	50.0	100	
	Dibromofluoromethane Rep.	986032	02/10/98	50.0	50.0	100	
	Toluene-d8	986032	02/10/98	50.0	50.0	100	
	4-Bromofluorobenzene Rep.	986032	02/10/98	50.0	50.0	100	
C8023226*1*LC							
8260A	1,2-Dichloroethane-d4 Rep	986034	02/11/98	48.7	50.0	97	
	Dibromofluoromethane Rep.	986034	02/11/98	49.6	50.0	99	
	Toluene-d8	986034	02/11/98	49.7	50.0	99	
	4-Bromofluorobenzene Rep.	986034	02/11/98	49.3	50.0	99	
C8023226*1*LT							
8260A	1,2-Dichloroethane-d4 Rep	986034	02/11/98	50.0	50.0	100	
	Dibromofluoromethane Rep.	986034	02/11/98	50.0	50.0	100	
	Toluene-d8	986034	02/11/98	50.0	50.0	100	
	4-Bromofluorobenzene Rep.	986034	02/11/98	50.0	50.0	100	
C8023227*1*LC							
8260A	1,2-Dichloroethane-d4 Rep	986034	02/11/98	49.1	50.0	98	
	Dibromofluoromethane Rep.	986034	02/11/98	49.4	50.0	99	
	Toluene-d8	986034	02/11/98	50.1	50.0	100	
	4-Bromofluorobenzene Rep.	986034	02/11/98	49.6	50.0	99	
C8023227*1*LT							
8260A	1,2-Dichloroethane-d4 Rep	986034	02/11/98	50.0	50.0	100	
	Dibromofluoromethane Rep.	986034	02/11/98	50.0	50.0	100	
	Toluene-d8	986034	02/11/98	50.0	50.0	100	
	4-Bromofluorobenzene Rep.	986034	02/11/98	50.0	50.0	100	

Ship To: VOC Anal
Attn: Sample Control
801 Western
Glendale CA

Page 1 of 3
Project Name: WDI
Project No.: 94-254
Site Location: Santa Fe Springs CA
Date: 1/29/98

CHAIN OF CUSTODY RECORD

G9801569

Boring/Well No.	Sample No.	Depth	Date	Time	Sample Type: Water	Sample Type: Solid	Sample Type: Other	Comp.	Grab.	Sample Containers: Vol.	No.	Type	Pres.	Analysis: 8260	8270	Metals					Remarks
WDI-GMW	23-05		1/29/98	0827	X					40ml	2	VOA	HCl	X							
↓			↓	↓	↓					1l	2	Amber	—		X						
↓			↓	↓	↓					1l	1	Poly	HNO3			X					
WDI-GMW	22-05	FLTRD	↓	↓	↓					1l	1	"	"			X					
WDI-GMW	24-05		1/29/98	0955	X					40ml	2	VOA	HCl	X							
↓			↓	↓	↓					1l	2	Amber	—		X						
↓			↓	↓	↓					1l	1	Poly	HNO3			X					
WDI-GMW	24-05	FLTRD	↓	↓	↓					1l	1	"	"			X					
WDI-GMW	11-05		1/29/98	1127	X					40ml	2	VOA	HCl	X							
↓			↓	↓	↓					1l	2	Amber	—		X						
↓			↓	↓	↓					1l	1	Poly	HNO3			X					
WDI-GMW	11-05	FLTRD	↓	↓	↓					1l	1	"	"			X					
WDI-GMW	10-05		1/29/98	1245	X					40ml	2	VOA	HCl	X							
↓			↓	↓	↓					1l	2	Amber	—		X						
↓			↓	↓	↓					1l	1	Poly	HNO3			X					

Total Number of Samples Shipped: 49 Shipper's Signature: Glenn Androsko

	Signature	Company	Date	Time
Relinquished by:	Glenn Androsko	TRC	1/29/98	
Received by:	A Mulligan	AR-A	1-29-98	4:30
Relinquished by:	A Mulligan	AR-A	1-29-98	5:15
Received by:	Sharon Malone	VOC	1-29-98	1715
Relinquished by:				
Received by:				

Special Instructions / Shipment / Handling/ Storage Requirements:

Send results attn Roberto Puga

The material(s) listed are received for analysis and/or treatability evaluation and remain the property of the client and not Environmental Solutions, Inc. At the conclusion of the test work, all remaining material(s) will be returned to the client for eventual disposal at a licensed facility.

☒ ENVIRONMENTAL SOLUTIONS, INC.
21 Technology Drive
Irvine, California 92718

☐ ENVIRONMENTAL SOLUTIONS, INC.
1172 Pelican Bay Drive
Daytona Beach, Florida 32119

☐ ENVIRONMENTAL SOLUTIONS, INC.
1201 N. McDowell Boulevard
Petaluma, California 94954

☐ ENVIRONMENTAL SOLUTIONS, INC.
2815 Mitchell Drive, Suite 103
Walnut Creek, California 94598

Ship To: VOC Anal
Attn:
Glendale

Page 2 of 3
Project Name: WDI
Project No.: 94256
Site Location: SFS, Ca.
Date: 1/29/98

CHAIN OF CUSTODY RECORD

G9801569

Boring/Well No.	Sample No.	Depth	Date	Time	Sample Type: Water	Solid	Other	Comp.	Grab.	Sample Containers: Vol.	No.	Type	Pres.	Analysis: 8260	8270	Metals					Remarks
WDI-GMW	10-05	FLTRD	1/29/98	1245	X					1l	1	Poly	HNO_3			X					
WDI-GMW	02-05		1/29/98	1400	X					40ml	2	VOA	HCl	X							
										1l	2	Amb	—		X						
										1l	1	Poly	HNO_3			X					
WDI-GMW	02-05	FLTRD								1l	1	"	"			X					
WDI-MW	FD-02-05		1/29/98	1400	X					40ml	2	VOA	HCl	X							
										1l	2	Amb	—		X						
										1l	1	Poly	HNO_3			X					
WDI-MW	FD-02-05	FLTRD								1l	1	"	"			X					
WDI-MW	FR-02-05		1/29/98	1430	X					40ml	2	VOA	HCl	X							
										1l	2	Amb	—		X						
										1l	1	Poly	HNO_3			X					
WDI-GMW	03-05		1/29/98	1620	X					40ml	2	VOA	HCl	X							
										1l	2	Amb	—		X						
										1l	1	Poly	HNO_3			X					

Total Number of Samples Shipped: 49 Shipper's Signature: Glenn Andraska

	Signature	Company	Date	Time
Relinquished by:	Glenn Andraska	TRC	1/29/98	
Received by:	A. Morlitz	A.R.A	1-29-98	4:30
Relinquished by:	A. Morlitz	A.R.A	1-29-98	5:15
Received by:	Sharon Malone	VOC	1/29/98	1715
Relinquished by:				
Received by:				

Special Instructions / Shipment / Handling/ Storage Requirements:

The material(s) listed are received for analysis and/or treatability evaluation and remain the property of the client and not Environmental Solutions, Inc. At the conclusion of the test work, all remaining material(s) will be returned to the client for eventual disposal at a licensed facility.

☒ ENVIRONMENTAL SOLUTIONS, INC.
21 Technology Drive
Irvine, California 92718

☐ ENVIRONMENTAL SOLUTIONS, INC.
1172 Pelican Bay Drive
Daytona Beach, Florida 32119

☐ ENVIRONMENTAL SOLUTIONS, INC.
1201 N. McDowell Boulevard
Petaluma, California 94954

☐ ENVIRONMENTAL SOLUTIONS, INC.
2815 Mitchell Drive, Suite 103
Walnut Creek, California 94598

CHAIN OF CUSTODY RECORD

Ship To: VOC Anal
Attn:
Glendale CA

Page 3 of 3
Project Name: WD1
Project No.: 94-256
Site Location: SFS.Ca.
Date: 1/29/98

G9801569

Boring/Well No.	Sample No.	Depth	Date	Time	Sample Type: Water	Solid	Other	Comp.	Grab.	Sample Containers: Vol.	No.	Type	Pres.	Analysis: Metals	8260	Remarks
WD1-GMW	03-05		1/29/98	1520	X					1l	1	Poly	HNO3	X		
WD1-MW1	B-22-05		1/29/98	0830	X					40ml	2	VOA	HCl		X	

Total Number of Samples Shipped: 49 Shipper's Signature: Glenn Anderson

	Signature	Company	Date	Time
Relinquished by:	Glenn Anderson	TRC	1/29/98	4:30
Received by:	A-McCain	ARA	1-29-98	4:30
Relinquished by:	A McCain	ARA	1-29-98	5:15
Received by:	Sharon McClone	VOC	1-29-98	1715
Relinquished by:				
Received by:				

Special Instructions / Shipment / Handling/ Storage Requirements:

The material(s) listed are received for analysis and/or treatability evaluation and remain the property of the client and not Environmental Solutions, Inc. At the conclusion of the test work, all remaining material(s) will be returned to the client for eventual disposal at a licensed facility.

☒ ENVIRONMENTAL SOLUTIONS, INC.
21 Technology Drive
Irvine, California 92718

☐ ENVIRONMENTAL SOLUTIONS, INC.
1172 Pelican Bay Drive
Daytona Beach, Florida 32119

☐ ENVIRONMENTAL SOLUTIONS, INC.
1201 N. McDowell Boulevard
Petaluma, California 94954

☐ ENVIRONMENTAL SOLUTIONS, INC.
2815 Mitchell Drive, Suite 103
Walnut Creek, California 94598

ANALYTICAL REPORT

LOG NO: G98-01-611

Received: 30 JAN 98

Mailed:

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-611-1	WDI-GMW09-05	30 JAN 98
01-611-2	WDI-GMW01-05	30 JAN 98
01-611-3	WDI-GMW08-05	30 JAN 98

PARAMETER	01-611-1	01-611-2	01-611-3
Digestion (3005), Date	02/13/98	02/13/98	02/13/98
Furnace Digestion (3020), Date	02/13/98	02/13/98	02/13/98
Arsenic (7060), mg/L	<0.002	<0.002	0.027
Antimony (6010), mg/L	<0.1	<0.1	<0.1
Barium (6010), mg/L	0.017	0.020	0.026
Beryllium (6010), mg/L	<0.001	<0.001	<0.001
Cadmium (7131), mg/L	<0.001	<0.001	<0.001
Chromium (6010), mg/L	<0.01	<0.01	<0.01
Cobalt (6010), mg/L	<0.04	<0.04	<0.04
Copper (6010), mg/L	<0.02	<0.02	<0.02
Lead (7421), mg/L	<0.002	<0.002	<0.002
Mercury (7470), mg/L	<0.0002	<0.0002	<0.0002
Molybdenum (6010), mg/L	<0.02	<0.02	<0.02
Nickel (6010), mg/L	<0.04	<0.04	<0.04
Selenium (7740), mg/L	0.019	0.016	0.0099
Silver (6010), mg/L	<0.01	<0.01	<0.01
Thallium (6010), mg/L	<0.07	<0.07	<0.07
Vanadium (6010), mg/L	<0.04	<0.04	<0.04
Zinc (6010), mg/L	<0.01	<0.01	<0.01
Aluminum (6010), mg/L	<0.1	<0.1	<0.1
Calcium (6010), mg/L	240	240	240
Iron (6010), mg/L	<0.04	<0.04	1.7
B/N,A Ext.Pri.Poll.			

LOG NO: G98-01-611

Received: 30 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-611-1	WDI-GMW09-05	30 JAN 98
01-611-2	WDI-GMW01-05	30 JAN 98
01-611-3	WDI-GMW08-05	30 JAN 98

PARAMETER	01-611-1	01-611-2	01-611-3
Volatile Organics (8260A)			
Date Analyzed	02/12/98	02/12/98	02/12/98
Dilution Factor, Times	1	1	1
1,1,1-Trichloroethane, ug/L	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane, ug/L	<0.5	<0.5	<0.5
1,1,2-Trichloroethane, ug/L	<0.5	<0.5	<0.5
1,1-Dichloroethane, ug/L	<0.5	<0.5	<0.5
1,1-Dichloroethene, ug/L	<0.5	<0.5	<0.5
1,2-Dibromoethane, ug/L	<0.5	<0.5	<0.5
1,2-Dichloroethane, ug/L	<0.5	<0.5	<0.5
1,2-Dichloropropane, ug/L	<0.5	<0.5	<0.5
2-Chloroethylvinylether, ug/L	<4	<4	<4
2-Hexanone, ug/L	<5	<5	<5
Acetone, ug/L	<10	<10	<10
Bromodichloromethane, ug/L	<0.5	<0.5	<0.5
Bromomethane, ug/L	<0.5	<0.5	<0.5
Benzene, ug/L	<0.5	<0.5	<0.5
Bromoform, ug/L	<0.5	<0.5	<0.5
Carbon Tetrachloride, ug/L	<0.5	<0.5	<0.5
Chloroethane, ug/L	<0.5	<0.5	<0.5
Chloroform, ug/L	<0.5	<0.5	<0.5
Chloromethane, ug/L	<1	<1	<1
Carbon Disulfide, ug/L	<2	<2	<2
Dibromochloromethane, ug/L	<0.5	<0.5	<0.5
Methyl ethyl ketone, ug/L	<10	<10	<10

LOG NO: G98-01-611

Received: 30 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-611-1	WDI-GMW09-05	30 JAN 98
01-611-2	WDI-GMW01-05	30 JAN 98
01-611-3	WDI-GMW08-05	30 JAN 98

PARAMETER	01-611-1	01-611-2	01-611-3
Methyl isobutyl ketone, ug/L	<4	<4	<4
Methylene chloride, ug/L	<2	<2	<2
Trichloroethene, ug/L	<0.5	<0.5	<0.5
Tetrachloroethene, ug/L	4.7	5.9	2.0
Vinyl acetate, ug/L	<5	<5	<5
Vinyl chloride, ug/L	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene, ug/L	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene, ug/L	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene, ug/L	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene, ug/L	<0.5	<0.5	<0.5
Surrogates **			
4-Bromofluorobenzene Rep., ug/L	49.7	49.9	49.9
4-Bromofluorobenzene Theo., ug/L	50.0	50.0	50.0
Toluene-d8 Reported, ug/L	50.2	50.1	50.5
Toluene-d8 Theo., ug/L	50.0	50.0	50.0
Dibromofluoromethane Rep., ug/L	49.7	49.5	49.7
Dibromofluoromethane Theo., ug/L	50.0	50.0	50.0

LOG NO: G98-01-611

Received: 30 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-611-4	WDI-Baker Tank	30 JAN 98

PARAMETER	01-611-4
Digestion (3005), Date	02/13/98
Furnace Digestion (3020), Date	02/13/98
Arsenic (7060), mg/L	<0.002
Antimony (6010), mg/L	<0.1
Barium (6010), mg/L	0.039
Beryllium (6010), mg/L	<0.001
Cadmium (7131), mg/L	<0.001
Chromium (6010), mg/L	<0.01
Cobalt (6010), mg/L	<0.04
Copper (6010), mg/L	<0.02
Lead (7421), mg/L	<0.002
Mercury (7470), mg/L	<0.0002
Molybdenum (6010), mg/L	<0.02
Nickel (6010), mg/L	<0.04
Selenium (7740), mg/L	0.010
Silver (6010), mg/L	<0.01
Thallium (6010), mg/L	<0.07
Vanadium (6010), mg/L	<0.04
Zinc (6010), mg/L	<0.01
Aluminum (6010), mg/L	<0.1
Calcium (6010), mg/L	150
Iron (6010), mg/L	0.77
B/N,A Ext.Pri.Poll.	

LOG NO: G98-01-611

Received: 30 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-611-4	WDI-Baker Tank	30 JAN 98

PARAMETER	01-611-4
Volatile Organics (8260A)	
Date Analyzed	02/12/98
Dilution Factor, Times	10
1,1,1-Trichloroethane, ug/L	<5
1,1,2,2-Tetrachloroethane, ug/L	<5
1,1,2-Trichloroethane, ug/L	<5
1,1-Dichloroethane, ug/L	<5
1,1-Dichloroethene, ug/L	<5
1,2-Dibromoethane, ug/L	<5
1,2-Dichloroethane, ug/L	<5
1,2-Dichloropropane, ug/L	<5
2-Chloroethylvinylether, ug/L	<40
2-Hexanone, ug/L	<50
Acetone, ug/L	510
Bromodichloromethane, ug/L	<5
Bromomethane, ug/L	<5
Benzene, ug/L	<5
Bromoform, ug/L	<5
Carbon Tetrachloride, ug/L	<5
Chloroethane, ug/L	<5
Chloroform, ug/L	<5
Chloromethane, ug/L	<10
Carbon Disulfide, ug/L	<20
Dibromochloromethane, ug/L	<5
Methyl ethyl ketone, ug/L	<100
Methyl isobutyl ketone, ug/L	<40
Methylene chloride, ug/L	<20

LOG NO: G98-01-611

Received: 30 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-611-4	WDI-Baker Tank	30 JAN 98

PARAMETER	01-611-4
Trichloroethene, ug/L	<5
Tetrachloroethene, ug/L	<5
Vinyl acetate, ug/L	<50
Vinyl chloride, ug/L	<5
cis-1,2-Dichloroethene, ug/L	<5
cis-1,3-Dichloropropene, ug/L	<5
trans-1,2-Dichloroethene, ug/L	<5
trans-1,3-Dichloropropene, ug/L	<5
Surrogates **	
4-Bromofluorobenzene Rep., ug/L	493
4-Bromofluorobenzene Theo., ug/L	500
Toluene-d8 Reported, ug/L	502
Toluene-d8 Theo., ug/L	500
Dibromofluoromethane Rep., ug/L	490
Dibromofluoromethane Theo., ug/L	500

LOG NO: G98-01-611

Received: 30 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-611-5	WDI-MWTB09-05	30 JAN 98

PARAMETER	01-611-5
Volatile Organics (8260A)	
Date Analyzed	02/12/98
Dilution Factor, Times	1
1,1,1-Trichloroethane, ug/L	<0.5
1,1,2,2-Tetrachloroethane, ug/L	<0.5
1,1,2-Trichloroethane, ug/L	<0.5
1,1-Dichloroethane, ug/L	<0.5
1,1-Dichloroethene, ug/L	<0.5
1,2-Dibromoethane, ug/L	<0.5
1,2-Dichloroethane, ug/L	<0.5
1,2-Dichloropropane, ug/L	<0.5
2-Chloroethylvinylether, ug/L	<4
2-Hexanone, ug/L	<5
Acetone, ug/L	<10
Bromodichloromethane, ug/L	<0.5
Bromomethane, ug/L	<0.5
Benzene, ug/L	<0.5
Bromoform, ug/L	<0.5
Carbon Tetrachloride, ug/L	<0.5
Chloroethane, ug/L	<0.5
Chloroform, ug/L	<0.5
Chloromethane, ug/L	<1
Carbon Disulfide, ug/L	<2
Dibromochloromethane, ug/L	<0.5
Methyl ethyl ketone, ug/L	<10
Methyl isobutyl ketone, ug/L	<4
Methylene chloride, ug/L	<2

LOG NO: G98-01-611

Received: 30 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-611-5	WDI-MWTB09-05	30 JAN 98

PARAMETER	01-611-5
Trichloroethene, ug/L	<0.5
Tetrachloroethene, ug/L	<0.5
Vinyl acetate, ug/L	<5
Vinyl chloride, ug/L	<0.5
cis-1,2-Dichloroethene, ug/L	<0.5
cis-1,3-Dichloropropene, ug/L	<0.5
trans-1,2-Dichloroethene, ug/L	<0.5
trans-1,3-Dichloropropene, ug/L	<0.5
Surrogates **	
4-Bromofluorobenzene Rep., ug/L	48.5
4-Bromofluorobenzene Theo., ug/L	50.0
Toluene-d8 Reported, ug/L	49.5
Toluene-d8 Theo., ug/L	50.0
Dibromofluoromethane Rep., ug/L	49.3
Dibromofluoromethane Theo., ug/L	50.0

LOG NO: G98-01-611

Received: 30 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-611-6	WDI-MWFR08-05	30 JAN 98

PARAMETER	01-611-6
Sample Held, Not Analyzed	HOLD

LOG NO: G98-01-611

Received: 30 JAN 98

Mr. Roberto Puga
Environmental Solutions, Inc.
21 Technology Drive
Irvine, CA 92718

Project: 94-256

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-611-7	WDI-GMW09-05 Unfilt	30 JAN 98
01-611-8	WDI-GMW01-05 Unfilt	30 JAN 98
01-611-9	WDI-GMW08-05 Unfilt	30 JAN 98

PARAMETER	01-611-7	01-611-8	01-611-9
Digestion (3005), Date	02/13/98	02/13/98	02/13/98
Furnace Digestion (3020), Date	02/13/98	02/13/98	02/13/98
Arsenic (7060), mg/L	<0.002	<0.002	0.027
Antimony (6010), mg/L	<0.1	<0.1	<0.1
Barium (6010), mg/L	0.017	0.021	0.026
Beryllium (6010), mg/L	<0.001	<0.001	<0.001
Cadmium (7131), mg/L	<0.001	<0.001	<0.001
Chromium (6010), mg/L	0.010	<0.01	<0.01
Cobalt (6010), mg/L	<0.04	<0.04	<0.04
Copper (6010), mg/L	<0.02	<0.02	<0.02
Lead (7421), mg/L	<0.002	<0.002	<0.002
Mercury (7470), mg/L	<0.0002	<0.0002	<0.0002
Molybdenum (6010), mg/L	<0.02	<0.02	<0.02
Nickel (6010), mg/L	<0.04	<0.04	<0.04
Selenium (7740), mg/L	0.020	0.014	0.0090
Silver (6010), mg/L	<0.01	<0.01	<0.01
Thallium (6010), mg/L	<0.07	<0.07	<0.07
Vanadium (6010), mg/L	<0.04	<0.04	<0.04
Zinc (6010), mg/L	<0.01	<0.01	<0.01
Aluminum (6010), mg/L	<0.1	<0.1	<0.1
Calcium (6010), mg/L	240	240	240
Iron (6010), mg/L	<0.04	<0.04	1.8

Fred Haley, Laboratory Director

The analytical results within this report relate only to the specific compounds and samples investigated and may not necessarily reflect other apparently similar material from the same or a similar location.

This report shall not be reproduced, except in full, without the written approval of VOC. No use of this report for promotional or advertising purposes is permitted without prior written VOC approval.